MANIPAL UNIVERSITY JAIPUR

(University under Section 2(f) of the UGC Act)



ANNUAL REPORT

2016-17





Dr. TMA PAI, Padma Shri Awardee

"Give an individual professional education
and you have given him a lifestyle"

FOUNDER

MANIPAL EDUCATION & MEDICAL GROUP

Visionary | Philanthropist | Physician |
Educationalist | Banker

For and on behalf of the Board of Management

Annual Report 2016-17

Published by

MANIPAL UNIVERSITY
JAIPUR

Manipal University Jaipur
Dehmi Kalan, Jaipur-Ajmer Expressway, Jaipur, (Raj.) - 303007.
Phone: +91 141-3999100
Website : http://jaipur.manipal.edu

Editorial Board

Advisors

Dr Sandeep Sancheti
President

Dr Niti Nipun Sharma
Pro President

Dr Vandana Suhag
Registrar

Editors (In alphabetic order)

Prof Ashok Kumar Sharma, Department of Mechanical Engineering

Mr Ankur Srivastava, Department of Mechanical Engineering

Dr Manvinder Singh Pahwa, Department of Law

Dr Reema Jain, Department of Mathematics & Statistics

Ar Swati Dutta, Department of Architecture & Design

Mr Tanveer Ahamed, Department of Journalism & Mass Communication

Editorial Assistant

Mr Vikas Verma, Sr Graphic Designer, Department of Information Technology



Contents

Chairperson's Message

Foreword

I. OVERVIEW 01-22

- Vision, Mission and Values 02
- Awards & Recognitions 03
- UGC Approval 03
- Awards to Faculty & Staff 04
- Visit of Dignitaries 05
- Academic Structure 06
- Organogram 08
- Committees 09
- Administrative & Functional Heads 12
- Academic Programmes 14
- Faculty/Staff Statistics 17
- 3rd Convocation 19
- Graduating Students 20
- Gold Medalist 21

II. GLIMPSES OF THE UNIVERSITY 23-39

- Admissions 24
- Examinations Results 25
- Scholarships 29
- Students Council 30
- Student Achievements 31
- Skill Development 31
- Endowment Fund 31
- Training & Placement 32
- Faculty Development Programme 34
- Societal Connect 34
- Sports 34
- University Hostels 35
- IT resources 36
- Library 37
- MoUs 38

III.	**RESEARCH**	**40-61**
	• Thrust Areas	**41**
	• Ongoing Internally Funded Project	**42**
	• Endowment Fund Allocation	**44**
	• Scholars Awarded PhD	**51**
	• PhD Scholars	**51**
	• Consultancy Projects	**57**
	• Ongoing Externally Funded Research Projects	**58**
	• Special Facilities	**61**
IV.	**ACADEMIC FACULTIES / SCHOOLS / DEPARTMENTS**	**62-177**
	• Faculty of Engineering	**63-107**
	• Faculty of Design	**108-122**
	• Faculty of Arts & Law	**123-144**
	• Faculty of Management & Commerce	**145-157**
	• Faculty of Science	**158-177**
V.	**MISCELLANEOUS**	**178-184**
	• Financial Statement	**179**
	• Human Resource Information System (HRIS)	**181**
	• Alumni Cell	**182**
	• New Construction	**183**
VI.	**SIGNIFICANT EVENTS**	**185-190**



Chairperson's Message



Dear colleagues,

It gives me immense pleasure to present the Third Annual Report of Manipal University Jaipur for Academic Year 2016-17.

The University has witnessed rapid growth and progress on all fronts. The progress and the recognition of the University is evident from the awards and recognitions the University, its faculty and its students have received in the last academic year. This demonstrates the potential and a great level of commitment of the faculty, staff and students of Manipal University Jaipur (MUJ) of which we can be proud of.

Having established exclusivity and diversity in the programmes offered, the students and faculty of MUJ have commendable accomplishments in teaching, research output, consultancy and sponsored research. It is heartening to note that MUJ has consistently been taking steps to encourage entrepreneurial skills in students in tune with the national policy. All this is the outcome of the perseverance, motivation and excellent infrastructure provided to all the stakeholders.

My wish is to see the optimal utilization of all the resources, both human and infrastructural, so that everyone is able to give the best in a joyful and safe academic environment.

Warmest and best wishes.

Dr. K. Ramnarayan
CHAIRPERSON

Foreword



Prof Sandeep Sancheti
President



Prof Niti Nipun Sharma
Pro President



Prof Vandana Suhag
Registrar

With immense pleasure, we present the third Annual Report of Manipal University Jaipur (MUJ) for the Academic Year 2016-17. The Annual Report is a comprehensive compilation of major events and activities which have resulted in meritorious achievements of the University as an institution as well as of faculty, staff and students at individual level. This is well evident from the awards and recognitions continuously being received since its inception.

In a very short span, MUJ has earned a unique name in terms of quality education and we are committed for dynamic and perpetual development of the University. In addition to this we also aspire to work towards incorporating best practices and strive for the excellence so as to fulfil our noble mission and inspirational vision.

In the journey of development, we have strengthened our external as well as internal collaborations, extended our physical infrastructure and endeavored to inculcate high values and professional ethics in our students so as to make them a good human being and true professionals enabling them to take up real life challenges in a balanced way.

At the outset, we would like to acclaim our patrons for their continuous motivation and extend our sincere thanks to all the stakeholders for their energy, innovation and commitment. We also heartily appreciate the painstaking efforts of the editorial team for compilation of this Annual Report well in time.

I



Overview

VISION

Global Leadership in Higher Education and Human Development

MISSION

- Be the most preferred University for innovative and interdisciplinary learning
- Foster academic, research and professional excellence in all domains
- Transform young minds into competent professionals with good human values

VALUES

Integrity, Transparency, Quality,
Team Work, Execution with Passion, Humane Touch

INSPIRED BY LIFE

Awards & Recognitions

2016

- LEED India Platinum Award
- Most Upcoming B School Award by ASSOCHAM
- Best Campus Management Solution Providers Award by ASSOCHAM
- Most Promising University in North India Award given by World Wide Achievers
- Education Destination Award by RETHINK INDIA

2017

- Most Admired University with Excellent Placements in North India Award by World Wide Achievers
- Introducing Innovations in Teaching Pedagogy Award by ELETS Techno Media Associations of India
- Swachhta Ranking Award by Ministry of HRD
- Fastest Growing University Award by Incredible India Foundation
- World Education Award by ELETS Techno Media
- World Clean and Green University Campus Award by NICER.



5* Rating GRIHA MNRE, GOI



LEED INDIA Platinum Award



Best University Campus



Most Promising University with Excellent Campus in North India



Best B-School Award



Indo Global Architecture Education Excellence Award 2015



First Smart Campus Award Digitizing India



Best Campus Management Solution Providers



Outstanding Engineering Institute - North



Asia Education Summit Award 2017



8th World Education Award 2017



'Swachhta' Ranking Award 2017

UGC Approval

An expert Committee comprising of members from UGC, AICTE, BCI and CoA visited the University on August 19-20, 2016 to carry out an on spot assessment of the fulfilment of criteria in terms of Faculty, Programmes, Infrastructural Facilities, and Financial viability of the University.

Considering University's response, UGC in its 520th meeting held on December 14, 2016 accorded approval to the University for fulfilling its norms and standards under section 2 (f) of the UGC Act.

President's Awards for dedicated service 2016-17



Dr Tanmoy Chakraborty
Department of Chemistry



Dr Vijay Laxmi
Department of Law



Mr Anil Dutt Vyas
Department of Civil Engineering



Dr Teena Shivnani
Department of Commerce



Mr Priyank Singh Hada
Department of CSE



Mr Rahul Babu Kodali
Department of J&MC



Mr Sunil Kumar Chhipa
Master Staffing Solution



Mr Govind Vijay
Finance Section



Shri Ram Pal Kumawat
Department of E&C



Ms Sonal Sharma
Admission Section



Mr Kanwar
Master Staffing Solution



Mr Rajendra Kumar
Master Staffing Solution



Mr Nardeep Singh Nirwan
Master Staffing Solution

Visit of Dignitaries

- **Dr Santanu Choudhary**, Director, CEERI Pilani, 23rd January 2017
- **Maj Gen Sandeep Sharma**, Director, NTRO Security, 08 January 2016
- **Dr Sandeep Shukla**, IIT Kharagpur, 16 December 2016
- **Dr James Lewsey**, Glasgow University, UK, 18th January 2017
- **Prof Pierre Bressy**, HEIG-VD, University of Applied Sciences, Switzerland on February 25, 2017
- **Mr Mohan Murli**, CEO Airtel, 2nd August 2016
- **Prof Karunesh Saxena**, Director, FMS Udaipur, 8th October 2016
- **Prof H G Parsa**, University of Denver, USA, 14th November 2016
- **Prof Gururaj Kidiyoor**, Dean (Faculty) TAPMI Bangalore, 2nd December 2016
- **Prof Dave Harris**, University of St Cloud, USA, 2nd February 2017
- **Mr Yashpal Soni**, Vice President Intex Technologies, 25th March 2017
- **Dr Nitin Sachdeva**, University of Delhi, 1st April 2017
- **Mr Vikram Sharma**, Director (Human Resource), Hotel Marriott Jaipur Skill Management, 2017
- **Dr Nitika Parmar**, California State University USA, January, 2017
- **Dr Antigone Marino**, Institute of Applied Sciences and Intelligent Systems, Italy, 2 September, 2016
- **Sh Devender Pal Khari**, Director, DKOP Labs Pvt Ltd, 4 November, 2016
- **Prof Jesus Eduardo Lugo**, University of Montreal, Canada, 31 December 2016.
- **Dr Surendra Pal**, Vice- Chancellor, Defence Institute of Advanced Technology, Pune, 24 January, 2017
- **Dr Rim Cherif**, OSA Visiting Lecturer, University of Carthage, Tunisia 17 March, 2017
- **Prof S K Mishra**, MD, Brahmos Missile Project, DRDO, 1 July, 2017

MANIPAL UNIVERSITY
JAIPUR

INSPIRED BY LIFE

Academic Structure

FoE

SAMM
- Dept. ME
- Dept. Mech
- Dept. Auto

UG Programmes
B.Tech Automobile / Mechatronics / Mechanical

PG Programmes
M.Tech PD / MET

Research Programme
Ph.D

SCCE
- Dept. CE
- Dept. CHEM

UG Programmes
B.Tech Civil / Chemical

PG Programmes
M.Tech / CTM / Structural Engineering

Research Programme
Ph.D

SEEC
- Dept. EE
- Dept. ECE

UG Programmes
B.Tech ECE / EEE

PG Programmes
M.Tech VLSI / EEM

Research Programme
Ph.D

SCIT
- Dept. IT
- Dept. CSE
- Dept. CCE

UG Programmes
B.Tech CSE / IT / CCE

PG Programmes
M.Tech CSE

Research Programme
Ph.D

FoS

SBS
- Dept. of Physics / Dept of Chemistry / Dept. of Mathematics & Statistics / Dept. of Biosciences

UG Programmes
B.Sc (Hons) / B.Sc (Biotechnology / Chemistry/ Mathematics /Physics / Psychology / Statistics) / BCA

PG Programmes
M.Sc. (Chem., Bio Technology/ M.Sc by Research

Research Programme
Ph.D

FoD

SA&D
UG Programmes
B. Arch

SP&D
- Dept. B. Plan
- Dept. Design

UG Programmes
B. Plan
BDes - Fashion Design
BDes - Jewellery Design
BFA - Applied Arts
Bsc- Interior Design

FoM&C

TSB
PG Programmes
MBA
Executive MBA

Research Programme
Ph.D

SHM
- Dept. of Hotel Management

UG Programmes
BHM
BBA

SBC
- Business Administration
- Commerce

UG Programmes
BBA
B.Com
B.Com (Hons.)

PG Programmes
M.Com
(Financial Analysis)

Research Programme
Ph.D

FoA&L

SHSS
- Languages & Eco, Psy, Arts

UG Programmes
BA (Hons)
BA libral Arts
English/ Economics/ Psychology/philosophy

PG Programmes
MA (English)
applied economics
MA (Psychology)

Research Programme
Ph.D

SMC
- JMC

UG Programmes
BA(J&MC)

PG Programmes
MA (J&MC)

SoL
- Law

UG Programmes
BA, LL.B (Hons) (5 years)
LL.B (3 years)

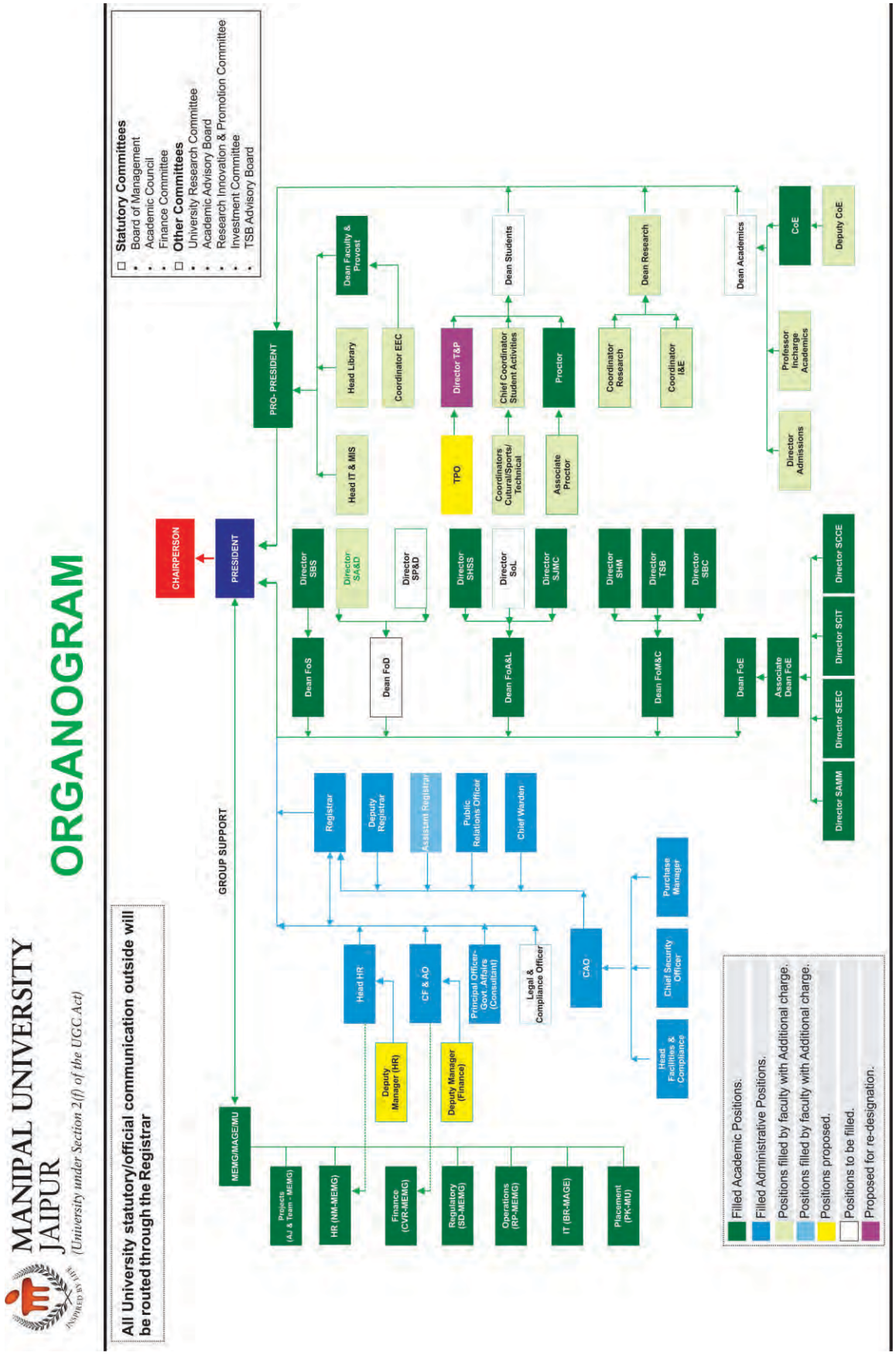
PG Programmes
LLM (Corporate and Commercial Law)
LLM (Criminal and Securities Law)

Research Programme
Ph.D

ABBREVIATIONS

- FoE: Faculty of Engineering
- FoS: Faculty of Science
- FoD: Faculty of Design
- FoM: Faculty of Management & Commerce
- FoA&L: Faculty of Arts & Law
- SCCE : School of Civil & Chemical Engineering
- SAMM : School of Automobile, Mechanical & Mechatronics Engineering
- SCIT: School of Computing & Information Technology
- SEEC: School of Electrical, Electronics & Communication Engineering
- SA&D: School of Architecture & Design
- SP&D: School of Planning & Design
- TSB: TAPMI School of Business
- SBC: School of Business & Commerce
- SHM: School of Hotel Management
- SBS: School of Basic Sciences
- SoL: School of Law
- SHSS: School of Humanities & Social Sciences
- SJMC: School of Journalism & Mass Communication




MANIPAL UNIVERSITY
JAIPUR
(University under Section 2(f) of the UGC Act)
ORGANOGRAM
All University statutory/official communication outside will be routed through the Registrar
Statutory Committees
Board of Management
Academic Council
Finance Committee
Other Committees
University Research Committee
Academic Advisory Board
Research Innovation & Promotion Committee
Investment Committee
TSB Advisory Board
CHAIRPERSON
PRESIDENT
PRO- PRESIDENT
GROUP SUPPORT
MEMG/MAGE/MU
Director SBS
Director S&AD
Director SP&D
Director SHSS
Director SoL
Director SJMC
Director SHM
Director TSB
Director SBC
Director SCOE
Director SCIT
Director SEEC
Director SAMM
Dean FoS
Dean FoD
Dean FoA&L
Dean FoM&C
Dean FoE
Associate Dean FoE
Dean Faculty & Provost
Head Library
Coordinator EEC
Head IT & MIS
Director T&P
Chief Coordinator Student Activities
Proctor
TPO
Coordinators Cultural/Sports/ Technical
Associate Proctor
Dean Students
Dean Research
Coordinator Research
Coordinator I&E
Dean Academics
Professor Incharge Academics
Director Admissions
CoE
Deputy CoE
Registrar
Deputy Registrar
Assistant Registrar
Public Relations Officer
Chief Warden
Head HR
CF & AO
Principal Officer- Govt. Affairs (Consultant)
Legal & Compliance Officer
CAO
Purchase Manager
Chief Security Officer
Head Facilities & Compliance
Deputy Manager (HR)
Deputy Manager (Finance)
Projects (AJ & Team - MEMG)
HR (NM-MEMG)
Finance (CVR-MEMG)
Regulatory (SD-MEMG)
Operations (RP-MEMG)
IT (BR-MAGE)
Placement (PK-MU)
Filled Academic Positions.
Filled Administrative Positions.
Positions filled by faculty with Additional charge.
Positions filled by faculty with Additional charge.
Positions proposed.
Positions to be filled.
Proposed for re-designation.

Members of Board of Management

Name	Designation
Dr K Ramnarayan	Chairperson, MUJ
Dr Sandeep Sancheti	President, MUJ
Shri Rajen Padukone	Group President, MEMG
Dr H P Khincha	Advisor IISc Bangalore, Chairman Karnataka Innovation Council, Former VC, VTU
Shri Abhay Jain	Advisor, MEMG
Dr Ranjan Pai	Chairman, MEMG
Dr Gopalakrishna Prabhu	Pro Vice Chancellor, (Technology & Management) MAHE, and Director MIT
Mrs Mira Mehrishi	IAS (Retd) Full Time Member CMAC, Govt. of Rajasthan
Shri Sudhakar Rao,	IAS (Retd.), Former Chief Secretary – Govt. of Karnataka, State Government
Shri Ashutosh A.T. Pednekar	IAS, Commissioner College Education & Special Secretary, Higher Education, Govt. of Rajasthan
Dr N N Sharma	Pro-President, MUJ
Dr B K Sharma	Dean Faculty of Science, R & I
Dr Vandana Suhag	Registrar, MUJ

Members of Academic Council

Name	Designation
Dr Sandeep Sancheti	President, Chairman
Dr Shiban Kishen Kak	External Member
Dr Niti Nipun Sharma	Pro President & Dean Faculty of Engineering
Dr Vandana Suhag	Registrar
Dr Bal Krishna Sharma	Dean, Research & Innovation
Dr Mridul Srivastava	Dean, Faculty of Arts & Law
Dr Nilanjan Chattopadhaya	Dean, Faculty of Management & Commerce
Dr Awdesh Kumar	Dean, Faculty Affairs & Provost
Dr Gopi Chand Tikkiwal	Dean, Faculty of Science
Dr Rajveer Singh Shekhawat	Director, School of Computing & IT
Dr Shivendra Nath Sharan	Director, School of Electrical, Electronics & Communication Engineering
Dr Rakesh Chandra Gaur	Director, School of Chemical & Civil Engineering
Dr Raghuvir Singh	Director, TAPMI School of Business
Dr Mangi Lal Vadera	Director, School of Business & Commerce
Dr Amarendra Kumar Sinha	Director, School of Basic Sciences
Dr Madhura Yadav	Director, School of Architecture & Design
Dr Manju Singh	Director, School of Humanities & Social Sciences

Dr Amit Jain	Director, School of Hotel Management
Dr Pradeep Kumar Pandey	Director, School of Planning & Design
Dr Ravi Chaturvedi	Director, School of Media Communication
Dr Raj Kishore Pareek	Dept of Civil Engineering
Dr Lalita Ledwani	Controller of Examination
Dr Ajay Kumar	Professor In-Charge- Academics
Dr Pratibha Sharma	HoD, Fashion Design
Dr Sudha Rai	HoD, Languages

Members of Academic Advisory Board

Prof Sandeep Sancheti	President, Manipal University Jaipur
Hon'ble Justice G S Singhvi	Former Supreme Court Judge & Chairman Competition Appellate Tribunal New Delhi
Prof Surendra Prasad	Former Director, IIT Delhi & Honorary Chairman, NBA
Shri DR Mehta	Former Chairman, SEBI Founder and Chief Patron Mahaveer Viklang Sahayata Samiti, Jaipur
Prof V S Vyas	Emeritus Professor, IDS Former Member, Economic Advisory Council to the Prime Minister Former Deputy Chairman, State Planning Board, Rajasthan
Dr Yogesh Atal	Emeritus Professor, MP Institute of Social Science Research, Ujjain Member of the Governing Board of the National Institute of Health and Family Planning, New Delhi
Prof Ramesh Takulia	Consultant, National Council for Hotel Management & Catering Technology, Ministry of Tourism
Prof P R Mehta	Ex President, Council of Architecture Design Action of Group
Prof S K Joshi	Former Director General, CSIR & Professor Emeritus National Physical Laboratory, New Delhi
Prof H S Ballal	Pro-Chancellor, Manipal University, Manipal

Other Committees At University Level

- Academic & Industrial Research Committee
- Committee for the Prevention of Sexual Harassment at Workplace
- Departmental Board of Studies
- Entrepreneurship Cell Committee
- Faculty Selection Committee
- Fee Fixation Committee
- Finance Committee
- Purchase Committee
- Research and Innovation Promotion Committee
- Students Council
- TAPMI School of Business Management Advisory Committee
- University Research Committee
- Internal Quality Assurance Cell



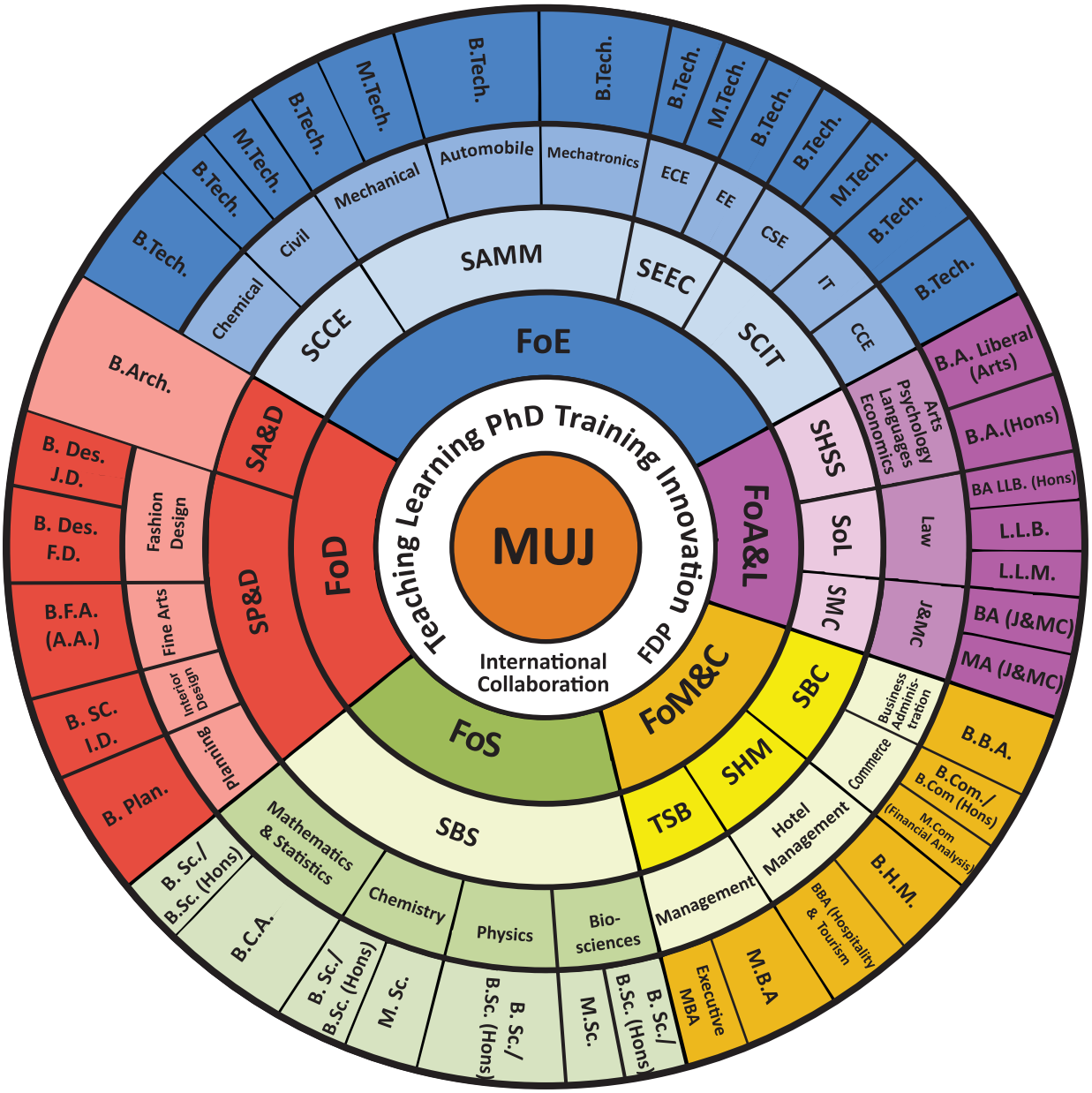
Administrative & Functional Heads

Prof Sandeep Sancheti	President
Prof N. N. Sharma	Pro President
Deans	
Dr BK Sharma	Dean, Research & Innovation
Prof Mridul Srivastava	Dean, Faculty of Arts & Law
Prof N N Sharma	Dean, Faculty of Engineering & Director SAMM
Prof N Chattopadhaya	Dean, Faculty of Management & Commerce
Prof Awdesh Kumar	Dean, Faculty Affairs & Provost
Prof G C Tikkiwal	Dean, Faculty of Science
Prof Vandana Suhag	Registrar
Prof Lalita Ledwani	Controller of Examination
Mr Sujiban Ghosh	Chief Finance & Accounts Officer
Directors	
Prof R S Shekhawat	Director, School of Computing & IT
Prof S N Sharan	Director, School Of Electrical, Electronics & Communication Engg
Prof R C Gaur	Director, School Of Chemical & Civil Engineering
Prof Raghuvir Singh	Director, TAPMI School of Business
Prof M L Vadera	Director, School of Business & Commerce
Prof A K Sinha	Director, School of Basic Sciences
Prof Madhura Yadav	Director, School of Architecture & Design
Prof Manju Singh	Director, School of Humanities & Social Sciences
Prof Amit Jain	Director, School of Hotel Management
Prof Pradeep Kumar Pandey	Director, School of Planning & Design
Prof Ravi Chaturvedi	Director, School of Media & Communication
Prof Richa Arora	Director, Admissions
Col Virendra Yadav	Chief Administrative Officer & Head HR
Mr Anil Singh	Chief Warden
Prof D P Sharma	Head, IT Infra
Prof Ajay Kumar	Professor- In-charge, Academics
Prof CS Lamba	Head Training and Placement
Col Ratan Singh	Chief Security Officer
Mr S. N. Bagra	Librarian
Prof Rajesh Mathur	Chief Coordinator Student Activities
Dr Geetika Tankha	Coordinator Technical Activities
Prof Anthony L Savari Raj	Coordinator Cultural Activities
Dr Pradeep Singh Chahar	Coordinator Sports Activities

Heads of Departments

Head	Department
Dr Rajesh Mathur	Coordinator, First Year B Tech Programme
Dr Amit Rathi	Electronics & Communication Engineering
Dr Amit Soni	Electrical Engineering
Mr Anil Dutt Vyas	Civil Engineering
Dr Abhishek Sharma	Chemical Engineering
Dr Ashok Kumar Sharma	Mechanical Engineering
Dr Ram Dayal	Mechatronics Engineering
Mr Rajesh Solanki	Automobile Engineering
Dr S C Kulhari	Computer Science Engineering
Dr Vijay Pal Singh Dhaka	Computer Communication Engineering
Dr Sumit Srivastava	Information Technology Engineering
Dr Samar Sarabhai	Management (TSB)
Dr Gaurav Loadha	Commerce
Dr Subhash C. Sharma	Business Administration
Mr Manoj Srivastava	Hotel Management
Dr Sushil Kumar Jain	Physics
Dr Babita Malik	Chemistry
Dr Madan Mohan Sharma	Bio-Science
Dr Sunil Joshi	Mathematics & Statistics
Dr Vijay Laxmi Sharma	Law
Dr Sudha Rai	Languages
Dr L Anthony	Arts
Dr Rayaz Hassan	Journalism & Mass Communication
Dr N.D Mathur	Economics
Dr Geetika Tankha	Psychology
Mrs Pratibha Sharma	Fashion Design
Dr Anantkumar D Ozarkar	Fine Arts
Dr Tej Bahadur	Planning

Academic Programmes



Details of Programmes

Faculty		Programmes	Duration
FACULTY OF ENGINEERING			
School of Civil and Chemical Engineering (SCCE)	UG	B Tech - Civil Engineering B Tech - Chemical Engineering	4 years
	PG	M Tech - Construction Technology & Management M Tech - Structural Engineering	2 years
	PhD	In all major areas of UG & PG studies	
School of Automobile, Mechatronics & Mechanical (SAMM)	UG	B Tech - Automobile Engineering B Tech - Mechatronics Engineering B Tech - Mechanical Engineering	4 years
	PG	M Tech - Product Design M Tech - Manufacturing Engineering & Technology	2 years
	PhD	In all major areas of UG & PG studies	
School of Electrical, Electronics & Communication Engineering (SEEC)	UG	B Tech - Electrical Engineering (EE) B Tech - Electronics & Communication Engineering (ECE)	4 years
	PG	M Tech - VLSI Design & Technology M Tech - Energy and Environment Management	2 years
	PhD	In all major areas of UG & PG studies	
School of Computing & Information Technology (SCIT)	UG	B Tech - Computer Science Engineering (CSE) B Tech - Information Technology (IT) B Tech - Computer & Communication Engineering (CCE)	4 years
	PG	M Tech - Computer Science and Engineering	2 years
	PhD	In all major areas of UG & PG studies	
FACULTY OF DESIGN			
School of Architecture & Design (SA&D)	UG	B Arch	5 years
School of Planning & Design (SP&D)	UG	B Des (Fashion Design) B Plan BFA -Applied Arts BSc Interior Design B Des Jewellery Design	4 Years 4 Years 4 Years 3 Years 4 Years
	PhD	In all major areas of UG & PG studies	
FACULTY OF MANAGEMENT			
TAPMI School of Business (TSB)	PG	Master of Business Administration (MBA) (Marketing , Finance, HR & Operations)	2 years
		Executive MBA Programme	
	PhD	In all major areas of UG & PG studies	
School of Hotel Management (SHM)	UG	Bachelor of Hotel Management (BHM)	4 years
School of Business & Commerce (SBC)	UG	BBA B Com (Hons.) / B Com	3 years
	PG	M Com / M Com (Hons.)	2 years
	PhD	In all major areas of UG & PG studies	

FACULTY OF SCIENCE			
School of Basic Sciences (SBS)	UG	BSc (Pass) BSc (Hons) BCA	3 years
	PG	MSc MSc (By Research)	2 years
	PhD	In all major areas of UG & PG studies	
FACULTY OF ARTS & LAW			
School of Humanities & Social Sciences (SHSS)	UG	BA (Pass) BA (Hons)	3 years
	PhD	In all major areas of UG & PG studies	
School of Law (SoL)	UG	BA-LLB (Hons.) LLB	5 years 3 years
	PG	LLM	1 year
	PhD	In all major areas of UG & PG studies	
School of Media & Communication (SMC)	UG PG	BA (J&MC) MA (J&MC)	3 years 2 years
	PhD	In all major areas of UG & PG studies	









Faculty Statistics as on July 31, 2017

S. No.	Name of Faculty/ School/ Department	Designation	Female	Male	Total Strength
Faculty of Engineering					
1.	Department of Automobile Engineering	Assistant Professor	-	11	12
		Associate Professor	-	-	-
		Professor	-	1	1
2.	Department of Mechanical Engineering	Assistant Professor	3	26	29
		Associate Professor	1	8	9
		Professor	-	7	7
3.	Department of Mechatronics Engineering	Assistant Professor	1	11	12
		Associate Professor	-	2	2
		Professor	-	1	1
4.	Department of Civil Engineering	Assistant Professor	2	11	13
		Associate Professor	3	5	8
		Professor	-	5	5
5.	Department of Chemical Engineering	Assistant Professor	2	3	5
		Associate Professor	-	2	2
		Professor	-	1	1
6.	Department of Computer Science & Engineering	Assistant Professor	3	19	22
		Associate Professor	4	3	7
		Professor	-	6	6
7.	Department of Information Technology	Assistant Professor	8	15	23
		Associate Professor	3	4	7
		Professor	-	3	3
8.	Department of Computer & Communication Engineering	Assistant Professor	3	5	8
		Associate Professor	-	3	3
		Professor	-	1	1
9.	Department of Electrical Engineering	Assistant Professor	-	15	16
		Associate Professor	-	4	4
		Professor	-	3	3
10.	Department of Electronics & Communication Engineering	Assistant Professor	6	17	23
		Associate Professor	2	7	9
		Professor	-	4	4
Faculty of Design					
11.	School of Architecture & Design	Assistant Professor	5	9	14
		Associate Professor	2	1	3
		Professor	2	-	2
12.	School of Planning & Design	Assistant Professor	15	5	20
		Associate Professor	3	1	4
		Professor	1	2	3
Faculty of Arts & Law					
13.	School of Humanities & Social Sciences	Assistant Professor	19	9	28
		Associate Professor	3	2	5
		Professor	3	2	5

S. No.	Name of Faculty/ School/ Department	Designation	Female	Male	Total Strength
14.	School of Media & Communication	Assistant Professor	3	4	7
		Associate Professor	-	4	4
		Professor	1	2	3
15.	School of Law	Assistant Professor	10	2	12
		Associate Professor	1	1	2
		Professor	2	1	3
Faculty of Science					
16.	School of Basic Sciences	Assistant Professor	16	18	34
		Associate Professor	1	11	12
		Professor	4	4	8
Faculty of Management & Commerce					
17.	School of Business & Commerce	Assistant Professor	11	5	16
		Associate Professor	1	2	3
		Professor	-	2	2
18.	School of Hotel Management	Assistant Professor	1	3	4
		Associate Professor	1	2	3
		Professor	-	1	1
19.	TAPMI School of Business	Assistant Professor	1	2	3
		Associate Professor	-	4	4
		Professor	-	3	3
		Total Faculty	**149**	**305**	**454**



Non-teaching Staff as on July 31st, 2017

S. No.	School /Department	Female	Male	Total
1	Faculty of Arts & Law		5	5
2	Faculty of Design		6	6
3	Faculty of Engineering	3	76	79
4	Faculty of Management & Commerce		5	5
5	Faculty of Science		11	11
6	Academic Management Section		4	4
7	Administration		4	4
8	Admission Cell	3	6	9
9	Examination		3	3
10	Finance Office		2	2
11	Hostel		2	2
12	Library	5	5	10
13	PhD Office		1	1
14	Purchase		4	4
15	Registrar Office	1	3	4
16	Training and Placement Office	2	5	7
	Total	**14**	**142**	**156**

3rd Convocation

The third Convocation of MUJ was held on September 25, 2016. Shri Sudheendra Kulkarni, Chairman, Observer Research Foundation, Mumbai was the Chief Guest. 759 UG and PG students received their degrees. 24 students received gold medals during convocation.



Graduating Students 2016-17

Number of Graduatess by Faculty / Schools

Faculty	Programme	Specilization	No. of Students
	Ph.D		5
			5
Faculty of Arts & Law	LLM		16
	BA (J&MC)		48
	BA		14
Faculty of Design			78
	B.ARCH		33
	B.DESIGN		6
	B.PLAN		6
			45
Faculty of Engineering	M.TECH		
		COMPUTER SCIENCE & ENGINEERING	2
		CONSTRUCTION	9
		MANUFACTURING	13
		MICRO ELECTRONICS	1
		POWER	1
	MCA		13
	B.TECH	AUTOMOBILE ENGINEERING	2
		MECHANICAL ENGINEERING	36
		MECHATRONICS ENGINEERING	110
		CIVIL ENGINEERING	42
		COMPUTER SCIENCE & ENGINEERING	93
		INFORMATION TECHNOLOGY	115
		ELECTRICAL ENGINEERING	77
		ELECTRONICS & COMMUNICATION	64
			95
			673
Faculty of Management & Commerce	MBA		45
	MBA (Executive)		14
	BBA		75
	B.COM		36
	BHM		7
			177
Faculty of Science	BCA		12
	B.Sc		23
			35
			1013

Gold Medalists 2016-2017

Sr.#	Faculty	Programme & Specilization	Student Name	Gold Medals
1	Faculty of Design	Bachelor of Architecture	HAKIM ALI REZA	Chairperson's Gold Medal for overall excellence, for the year 2017
2	Faculty of Management & Commerce	Master of Business Administration	LAKSHAY VEER DABAS	President's Gold Medal for achievements in Extra - curricular Activities, for the year 2017
3	Faculty of Science	Ph.D.	JITENDRA MITTAL	President's Gold Medal for achievements in Research Activities, for the year 2017
4	Faculty of Engineering	B. Tech (Civil Engineering)	VARUN GUPTA	Topper of B.Tech (CIVIL)
5	Faculty of Engineering	B.Tech (Computer Science & Engineering)	SHUBHAM GUPTA	Topper of B.Tech (CSE)
6	Faculty of Engineering	B.Tech (Electrical & Electronics Engineering)	BHRUGESH RATHOD	Topper of B.Tech (EEE)
7	Faculty of Engineering	B.Tech (Electronics & Communication Engineering)	KOWSHIK JAYANTHILAL JAIN	Topper of B.Tech (ECE)
8	Faculty of Engineering	B.Tech (Mechanical Engineering)	DAIVIK DEVIPRASAD SHETTY	Topper of B.Tech (MECHANICAL)
9	Faculty of Engineering	B.Tech (Automobile Engineering)	VIKRAMADITYA SINGH VAID	Topper of B.Tech (AUTOMOBILE)
10	Faculty of Engineering	B.Tech (Mechatronics Engineering)	NIMISH SHRENIK SHAH	Topper of B.Tech (MECHATRONICS)
11	Faculty of Engineering	B.Tech (Information Technology)	ANAND BANSAL	Topper of B.Tech (IT)
12	Faculty of Engineering	M. Tech (Structural Engineering)	PAVAN S H EGDE	Topper of M. TECH
13	Faculty of Design	Bachelor of Architecture	HAKIM ALI REZA	Topper of B.ARCH
14	Faculty of Design	Bachelor of Design	ANUPAMA A	Topper of B. DESIGN

15	Faculty of Design	Bachelor of Planning	POORVA JAIN	Topper of B. PLAN
16	Faculty of Management & Commerce	Bachelor of Business Administration	CHARU NANDWANA	Topper of BBA
17	Faculty of Management & Commerce	Bachelor of Commerce	PIYUSH KALWANI	Topper of B.COM
18	Faculty of Management & Commerce	Bachelor of Hotel Management	SHUBHAM JAIN	Topper of BHM
19	Faculty of Management & Commerce	Master of Business Administration	SAURABH SHARMA	Topper of MBA
20	Faculty of Arts & Law	Bachelor of Journalism and Mass Communication	SUJATA SINGH	Topper of BA (J&MC)
21	Faculty of Arts & Law	Bachelor of Arts	TORAL SHARMA	Topper of BA
22	Faculty of Arts & Law	Master of Law	HANS HONEY KHARI	Topper of LLM
23	Faculty of Science	Bachelor of Computer Applications	SAUVIK KALYAN ROY	Topper of BCA
24	Faculty of Science	Bachelor of Science	SIMMONE SIDDIQUI	Topper of B.Sc



II



Glimpses of the University

Admissions

Students Enrolled Across All the Programmes(Academic Year 2016-17)

S.No.	Department	Programme	Male	Female	Total
Faculty of Engineering					
1	Automobile Engineering	B Tech	51	1	**52**
2	Civil Engineering	B Tech	98	7	**105**
		M Tech	5	2	**7**
3	Computer Science & Engineering	B Tech	194	45	**239**
		M Tech	3	3	**6**
4	Electrical Engineering	B Tech	51	12	**63**
5	Electronics & Communication Engineering	B Tech	132	47	**179**
6	Information Technology	B Tech	142	36	**178**
7	Mechatronics Engineering	B Tech	62	5	**67**
8	Mechanical Engineering	B Tech	170	5	**175**
		M Tech	3	-	**3**
9	Chemical Engineering	B Tech	18	9	**27**
10	Computer & Communication Engineering	B Tech	115	33	**148**
	Ph.D		34	5	**39**
Faculty of Design					
1.	Architecture	B Arch	14	23	**37**
2.	Fashion Design	B Des	1	21	**22**
3.	Jewellery Design	B Des	7	3	**10**
4.	Interior Design	B Sc	14	36	**50**
5.	Applied Arts	BFA	10	23	**33**
	Ph.D		-	-	**-**
Faculty of Arts & Law					
1.	Law	BA,LLB	70	42	**112**
		LLB	9	1	**10**
		LLM	6	13	**19**
	Journalism & Mass Communication	BA(J&MC)	58	53	**111**
		MA (J&MC)	7	4	**11**
	Humanities & Social Sciences	BA (Hons)	20	30	**50**
	Ph.D		10	11	**21**
Faculty of Science					
	Basic Science	Bsc (Pass/ Hons.)	18	26	**44**
		BCA	32	4	**36**
		MSc/ MSc Research	11	2	**13**
	Ph.D		14	3	**17**
Faculty of Management & Commerce					
1.	Business Administration	BBA	146	39	**185**
2.	Commerce	B.Com (Pass/ Hons.)	70	15	**85**
3.	Hotel Management	BHM / BBA(H&T)	27	5	**32**
4.	Management	MBA	30	30	**60**
5.	Ph.D		12	8	**20**
		Grand Total	**1664**	**602**	**2266**

Examinations Results

Academic Session 2016-17

Batch	Programme Offered	Specialization	Semester (s)	No. of Students Appeared	No. of Students Passed	Pass Percentage
2016	B TECH	COMMON TO ALL BRANCHES	I-II	1244	850	68.33
2016	M TECH	COMPUTER SCIENCE & ENGINEERING	I-II	7	4	57.14
2016	M TECH	MANUFACTURING ENGINEERING & TECHNOLOGY	I-II	3	3	100.00
2016	M TECH	STRUCTURAL ENGINEERING	I-II	7	7	100.00
2016	B ARCH	-	I-II	38	30	78.95
2016	B Sc INTERIOR DESIGN	-	I-II	47	36	76.60
2016	B DESIGN	FASHION DESIGN	I-II	23	15	65.22
2016	B DESIGN	JEWELLERY DESIGN	I-II	10	6	60.00
2016	B FINE ARTS	-	I-II	39	28	71.79
2016	BBA	-	I-II	197	100	50.76
2016	B COM	-	I-II	52	30	57.69
2016	B COM (HONS.)	-	I-II	33	29	87.88
2016	BHM	-	I-II	32	23	71.88
2016	B A (HONS.)		I-II	57	35	61.4
2016	BJMC	-	I-II	112	73	65.18
2016	MA (J&MC)	-	I-II	9	6	66.67
2016	BA LLB HONOURS	-	I-II	114	103	90.35
2016	LLB	-	I-II	10	7	70.00
2016	LLM	CORPORATE LAW	I-II	10	10	100.00
2016	LLM	CRIMINAL LAW	I-II	9	6	66.67
2016	BCA	-	I-II	43	22	51.16

2016	B SC (HONS.)	-	I-II	46	39	84.7
2016	M Sc	-	I-II	11	10	90.9
2016	M Sc (BY RESEARCH)	-	I-II	2	1	50.00
2016	MBA	-	I-II-III Trimester	60	52	86.67
2015	B TECH	CIVIL ENGINEERING	III-IV	114	71	62.28
2015	B TECH	COMPUTER SCIENCE & ENGINEERING	III-IV	178	153	85.96
2015	B TECH	INFORMATION TECHNOLOGY	III-IV	180	144	80.00
2015	B TECH	COMPUTER & COMMUNICATION ENGINEERING	III-IV	74	37	50.00
2015	B TECH	ELECTRONICS & COMMUNICATION ENGINEERING	III-IV	158	124	78.48
2015	B TECH	ELECTRICAL & ELECTRONICS ENGINEERING	III-IV	47	36	76.60
2015	B TECH	AUTOMOBILE ENGINEERING	III-IV	29	16	55.17
2015	B TECH	MECHATRONICS ENGINEERING	III-IV	53	36	67.92
2015	B TECH	MECHANICAL ENGINEERING	III-IV	174	112	64.37
2015	B TECH	CHEMICAL ENGINEERING	III-IV	17	13	76.47
2015	B ARCH	-	III-IV	40	39	97.50
2015	B Sc INTERIOR DESIGN	-	III-IV	27	22	81.48
2015	B DESIGN	FASHION DESIGN	III-IV	25	17	68.00
2015	B DESIGN	JEWELLERY DESIGN	III-IV	5	4	80.00
2015	B PLAN	-	III-IV	10	8	80.00
2015	B FINE ARTS	-	III-IV	14	14	100.00
2015	BBA	-	III-IV	152	99	65.13
2015	B COM	-	III-IV	44	28	63.64
2015	BHM	-	III-IV	37	24	64.86
2015	B A (HONS.)	-	III-IV	34	30	88.2

2015	BJMC	-	III-IV	69	50	72.46
2015	BA LLB HONOURS	-	III-IV	87	60	68.97
2015	LLB	-	III-IV	4	3	75.00
2015	BCA	-	III-IV	25	16	64.00
2015	B SC (HONS.)	-	III-IV	40	28	70.00
2015	MBA	-	IV-V-VI Trimester	48	45	93.75
2014	B TECH	CIVIL ENGINEERING	V-VI	90	58	64.44
2014	B TECH	COMPUTER SCIENCE & ENGINEERING	V-VI	176	163	92.61
2014	B TECH	INFORMATION TECHNOLOGY	V-VI	155	133	85.81
2014	B TECH	ELECTRONICS & COMMUNICATION ENGINEERING	V-VI	172	160	93.02
2014	B TECH	ELECTRICAL & ELECTRONICS ENGINEERING	V-VI	74	62	83.78
2014	B TECH	AUTOMOBILE ENGINEERING	V-VI	43	36	83.72
2014	B TECH	MECHATRONICS ENGINEERING	V-VI	72	53	73.61
2014	B TECH	MECHANICAL ENGINEERING	V-VI	179	143	79.89
2014	B TECH	CHEMICAL ENGINEERING	V-VI	27	18	66.67
2014	B.ARCH	-	V-VI	37	32	86.49
2014	B DESIGN	FASHION DESIGN	V-VI	15	12	80.00
2014	B PLAN	-	V-VI	9	6	66.67
2014	B.FINE ARTS	-	V-VI	8	8	100.00
2014	B A (HONS.)		V-VI	12	11	91.60
2014	BJMC	-	V-VI	45	45	100.00
2014	BA LLB HONOURS	-	V-VI	38	33	86.84
2014	BBA	-	V-VI	93	72	77.42
2014	B COM	-	V-VI	44	35	79.55
2014	BHMCT	-	V-VI	12	10	83.33

2014	BCA	-	V-VI	13	12	92.31
2014	B SC - BBC	-	V-VI	29	22	75.86
2013	B TECH	CIVIL ENGINEERING	VII-VIII	92	90	97.83
2013	B TECH	MECHANICAL ENGINEERING	VII-VIII	111	107	96.40
2013	B TECH	AUTOMOBILE ENGINEERING	VII-VIII	35	35	100.00
2013	B TECH	MECHATRONICS ENGINEERING	VII-VIII	44	42	95.45
2013	B TECH	ELECTRONICS & COMMUNICATION ENGINEERING	VII-VIII	102	96	94.12
2013	B TECH	ELECTRICAL & ELECTRONICS ENGINEERING	VII-VIII	65	63	96.92
2013	B TECH	COMPUTER SCIENCE & ENGINEERING	VII-VIII	119	115	96.64
2013	B TECH	INFORMATION TECHNOLOGY	VII-VIII	80	77	96.25
2013	B.ARCH	-	VII-VIII	34	32	94.12
2013	B DESIGN	FASHION DESIGN	VII-VIII	7	6	85.71
2013	B PLAN	-	VII-VIII	6	6	100.00
2013	BHM	-	VII-VIII	7	6	85.71
2012	B.ARCH	-	IX-X	35	35	100.00
			Total	**5980**	**4588**	**76.72**

Scholarships

Row Labels	Count of Name	Sum of Scholarship (Amount In Lakhs)
FEE WAIVER / SCHOLARHIPS UNDER SPORTS QUOTA	**8**	**5.347**
Faculty of Arts & Law	1	0.15
Faculty of Engineering	4	4.318
Faculty of Management	3	0.879
Local region scholarships	**18**	**7.495**
Faculty of Arts & Law	2	0.98
Faculty of Design	3	1.85
Faculty of Management	4	1.5
Faculty of Science	9	3.165
Local region scholarships (As special case)	**1**	**0.58**
Faculty of Arts & Law	1	0.58
Merit cum Means Scholarships for TAPMI School of Business		0
Students - MBA Programme	**4**	**6.3**
Tampi School of Business	4	6.3
Merit for PG Students	4	1.06
Faculty of Arts & Law	1	0.21
Faculty of Science	3	0.85
Merit Scholarships for Non-Engineering students	**27**	**5.978**
Faculty of Arts & Law	10	2.323
Faculty of Design	4	1.325
Faculty of Management	8	1.565
Faculty of Science	5	0.765
Rajasthan Merit Scholarship (Special Case)	**2**	**2.15**
Faculty of Engineering	2	2.15
Scholarships for Lateral Entry(Diploma)/ Transfer cases	5	2.695
Faculty of Engineering	5	2.695
TMA Pai Engineering Scholarships	**7**	**4.732**
Faculty of Engineering	7	4.732
TMA Pai Excellence Scholarships	**18**	**9.495**
Faculty of Arts & Law	7	3.935
Faculty of Design	5	2.825
Faculty of Management & Commerce	4	2.12
Faculty of Science	2	0.615
TMA Pai Merit Scholarships	**75**	**64.338**
Faculty of Arts & Law	14	9.053
Faculty of Design	15	10.738
Faculty of Engineering	27	33.86
Faculty of Management & Commerce	12	6.663
Faculty of Science	7	4.025
TSB Merit Cum Means Scholarship	**9**	**9.765**
Tampi School of Business	9	9.765

Tuition fee concession for MUJ Graduates	**9**	2.416
Faculty of Arts & Law	1	0.232
Faculty of Management & Commerce	1	0.473
Faculty of Science	5	0.553
Tampi School of Business	2	1.159
Tuition fee concession for Dependent Students	**3**	**1.805**
Faculty of Arts & Law	1	0.33
Faculty of Design	1	0.475
Faculty of Engineering	1	1
Fee Waiver / Scholarhips Under Special Case	**3**	3.205
Faculty of Arts & Law	3	3.205
Tuition fee concession for Dependent Spouces	1	0.13
PHD	1	0.13
Merit for PG Students (15-16 & 16-17)	**2**	**1.575**
Faculty of Management & Commerce	2	1.575
Grand Total	**196**	**129.064**

Student Council 2016-17

The Student Council for Academic Year 2016-17 has been formed as under:

President	Shantanu Shivam	B Tech (Mechanical Engineering)
General Secretary	Rishabh Sanjeev Agarwal	B Tech (Civil Engineering)
Treasurer	V. Eshwar Reddy	B Tech (Mechanical Engineering)
Technical Secretary	Gaytri Khatwani	B Tech (Information & Technology
Cultural Secretary	Utkarsh Sharma	B Tech (Computer Science)
Sports Secretary	Mudipt Kashyap	B Com
Member (Faculty of Engineering)	Bhrugesh Rathod	B Tech(Electrical & Engineering)
Member (Faculty of Arts & Law)	Sumit Sharma	LLB
Member (Faculty of Management & Commerce)	Deepanshu Garg	BBA
Member (Faculty of Design)	Himani Agarwal	B Arch
Member (Faculty of Science)	Ragini S. Miglani	B Sc (Bio Science)

The Council functioned from May 01, 2016 to April 30, 2017

Student Achivements

MS Autocross Championship

Mr. Lakshay Veer Dabas, students of MBA 2nd Year bagged 3 trophies in different categories at Maruti Suzuki Autocross National Championship collecting valuable Championship points.

Archery

Mr. Sarvesh Pareek, students of 1st year MA (J&MC) won overall championship in the men's compound segment at All-India Inter University Archery Championship by hauling 700 points at the Hindu College at Machilipatnam (AP). Besides this, he also won four other gold medals in the same tournament.

Sarvesh Pareek and Nikita Kanwar, students of 1st year MA (J&MC) won first prize in their respective groups in the State Level Archery Competition held at Bikaner on 2-3 October 2016.

Skill Development

Manipal University Jaipur and Manipal City & Guilds jointly organized a skill development programme "Personal Effectiveness Skills for the Workplace" from December 29, 2016 to January 3, 2017. The programme was successfully conducted. sixty members participated in the session and received certificates. This was the first initiative by Manipal University Jaipur to improve hands on training of technicians.

Endowment Fund

Other than budget from university resources, MUJ has received Endowment Fund from promoters of the group. Under this scheme Endowment Fund of Rs. 2 crore was provided in the academic year of 2016-17 to support faculty and students through following schemes.

A. For Faculty only

1. EF01: Faculty International Visits

For exposure to the best practices in Academic & Research, 18 faculty member were provided support of Rs. 50,000 for their international visits, out of which, 15 faculty members utilized this support. All the visits proved to be very productive.

2. EF02: Industry visit during summer

To provide exposure to the faculty members to the state-of-the art industrial processes and ongoing research, 11 faculty members were provided support of Rs. 50,000 for their industry visits during the summer vacation, of which, 10 faculty members utilized this support.

3. EF03: Visiting/Chair Faculty

Five guest faculty visited the MUJ in academic year 2016-17 through Endowment 2016-17.

Prof. Gunther Andersson from Flinders University, Australia in School of Basic Sciences, Prof Sam Harsh from Marshall University in Dept of Civil Engineering, Dr. Laszlo Jozsa Szechenyi from Istvan University, Hungary in School of Hotel Management, Artist Ms. Nikolina Spasic and Mr. Milan Navakovic, from Serbia in the Department of JMC, and Prof Ganesh Kawadia, from Devi Ahilya University, Indore in School of Humanities and Social Sciences. These eminent experts interacted with the faculty and provided guidance for improving the teaching and research scenario at MUJ.

4. EF04: Faculty Members going to reputed institution for PhD

The aim of this funding is to support the faculty members proceeding for PhD or Post Doctroal studies in reputed Institutions in India or abroad.

5. EF05: Enhanced Seed Grant for faculty members

To promote better research, 6 project were seeded under this head amounting Rs 15 Lacs. Two were from Engineering, two from Sciences and two were interdisciplinary.

6. EF06: Research Equipment

For developing, centre of excellence at MUJ, high-end research/measurement equipment were given grant-in-aid from endowment fund to the faculty. Two major research equipment of amount Rs. 50 lacs namely, Thermo-Gravimetric Analyser (TGA) and Atomic absorption Spectroscopy (AAS) are under procurement.

B. For Students only

7. EF07 Entrepreneurship Grant to students

To promote innovation and entrepreneurship among students, a grant of Rs 2.12 lacs was allocated for four start-ups namely Martopolis, Eyrie Home Automation System, Enovate Solutions and Curis-Because we care.

8. EF08: Enhanced PhD scholarship for research scholars

In order to attract better PhD students and increase the research output at MUJ, PhD fellowships given @ 25000 per month per students.

9. EF09: MTech Scholarship for GATE qualified students

To improve research output by attracting better MTech students, it was proposed to provide scholarship of Rs. 18,000 per month to 25 Gate qualified students, for the first year.

10. EF10: Scholarships for International (NRI) Students

To improve diversity of students in the campus and to attract more NRI students, total 9 scholarships of Rs. 1 lac per student were provided. The students were selected on the basis of percentage marks obtained in the qualifying examination.

Training and Placement

Over 100 companies visited the university for placements for 2016-17 batch. Major recruiting companies that visited were Amazon, Dell, Sapient, NSE Infotech, SAP Labs, IBM, NIIT Technologies, Airtel, ICICI Bank, ITC Limited, etc. **The highest salary package offered was 15.00 LPA by Amazon for B.Tech. The average salary offered to B.Tech was 5.15 LPA.**

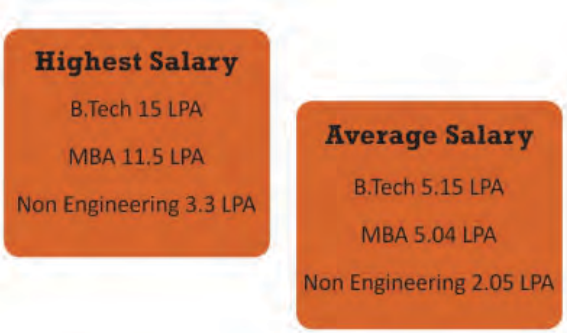
Training & Placement Cell trains students regularly on required hard and soft skills so that they gain confidence and skill before appearing for an interview. The training process starts in the seventh semester itself. In the current year, this has helped a lot of students in refreshing their ability and quantitative skills and thereby clearing the first round of test. Mock GD and interview sessions of the students are also being conducted on a regular basis.

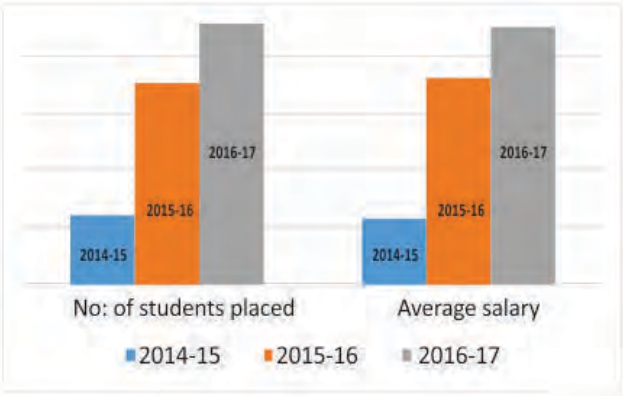
Recruiter Name

- Sapient
- Directi
- Asahi India Glass
- Secure Meters
- TCS (Non Technical)
- Cause Code Technologies
- Genpact (Non Technical)
- Dell
- Eurovision
- Tech Mahindra (Non Technical)
- Abyeti
- Amazon
- Gram Power
- Pre Cast India
- Sap Labs
- Mettl
- EMEIS technologies
- Think & Learn
- Societe Generale
- TATA AIG
- Triumb Technologies
- NSE Infotech
- Appirio
- On Graph
- Indian Army -UES
- Fu Smin
- Sonalika Tractors
- Metacube
- Intecons Software
- First American
- Deloitte (BCA)
- ICICI Bank (MBA)
- SG Analytics (MBA)
- Sopra Steria
- Info Edge (naukri.com)
- Mastech Digital
- Global Reach
- Start Up Oasis
- Roof Pik
- Edureka
- NIIT Technologies
- Axis Bank (MBA)
- ITC (MBA)
- Airtel (MBA)
- IBM

- Zycus
- Paperpedia (MBA)
- Infosys (BCA)
- Jus Pay
- Concentrix (Non Technical)
- Appicino
- Naukri.com (MBA)
- Al Shirawi (MBA)
- Oppo Mobiles
- Calsoft
- Angloeastern Shipping
- Teleperformance
- Infoobjects (MBA)
- India Bulls (MBA)
- RMC Switchgears Ltd.
- iNurture Education Solution (M.Tech)
- Innovsource Pvt.Ltd. (MBA)
- Everest Industries (MBA)
- Wellthy Therapeutics (M.Tech)
- Pinnacle Infotech Solutions
- Josh Technologies
- Mettl (BJMC)
- FSL Software (MBA)
- Arihant Elsys Pvt. Ltd.
- Cognus Technology Pvt. Ltd.
- Sona Group
- Edureka
- Mityung
- First India News Rajasthan (BJMC)
- Airtel (Non Technical)
- Radio Mirchi (BJMC)
- Dainik Bhaskar (MBA)
- LU-VE Group Spirotech Heat Exchangers Pvt Ltd
- Event Crafter (BJMC)
- Fullerton India Credit Co. Ltd. (MBA)
- Etech
- Home First Finance Company
- Vowels Ad. Agency (BJMC)
- La opulencia (BJMC)
- Mahindra & Mahindra Limited
- Bollhoff Group
- HLS Asia Ltd.
- Pinnacle Infotech Solutions
- ET Medialabs
- Collabera
- MSL (PR Firm*)
- Daikin Air Conditioning
- Amazon Web Services
- Bosch
- Samsung Research Institute

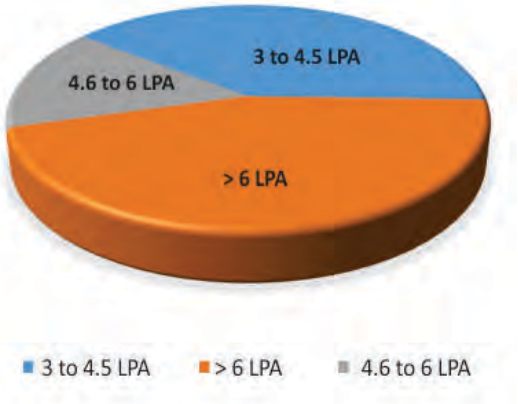
Growing Placements 2016-17



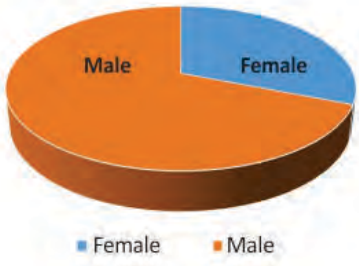


B.Tech Placements 2016-17

Salary Wise % of students placed



% of students placed



Faculty Development Programme

Year	Number of teachers who attended	Title of the professional development program	Resource Person	"Date and Duration (from –to)"
2016	89	Pedagogic & Personal Effectiveness	Dr K Ramnarayan	April 18-23
	82		Dr Sudhakar Nayak	Nov 10-16

Societal Connect

- Green and Swachh Bharat drive was done in the nearby village
- Dispensary for the welfare of local people is operational
- Many Interaction Programmes with Celebrities were organized
- Job opportunities have been given to local people in Projects and regular jobs
- Scholarships and financial support has been made available for local students
- Literacy drive is undertaken for local villagers
- Legal aid Awareness Programme was held for the benefit of the villagers
- Road infrastructure development and Road Safety Awareness drive was held for the benefit of local people





Sports

[I] The following indoor and outdoor Sports facilities are now available in the campus:

- One Standard Turf Pitch Cricket field
- Seven Standard Basket-Ball Courts
- Five Synthetic Tennis Courts
- Seven Volley Ball Courts
- Five Squash Courts
- One Lush Green Football Ground
- Two Athletics track
- Six Badminton Courts
- Six Table-Tennis Tables
- Modern Gymnasium with Jacuzzi , Sauna Bath Room, Steam Bath Room, Shower Room, Yoga Hall and Aerobics Hall
- One Handball Ground
- Chess and Carrom Room
- Snooker & Pool Table
- Archery Field

[II] Regular Sports activities are organized for students and staff. The list is given below:

- MUJ sports festival 'Abhivarta' was held during , 2016 and 2017.
- Inter-branch competitions were held for all major indoor and outdoor sports, for both students and staff.
- Students participated in various competitions organized by different universities & Association of Indian Universities and won many prizes.
- Yoga training, meditation and aerobic classes were frequently held.
- An Open Elective course on 'Physical Health and Sport Education' has been offered to students.

University Hostels

The hostels at Manipal University Jaipur provide suitable accommodation for both male and female students. The student housing is provided by Manipal Integrated Services (MIS) under their Hostel brand "Yoho" (short for Youth Hostels), located across the street from the University campus. Yoho provides bespoke hostel facilities for students, by creating a living experience for the students which is safe, smart, convenient full of fun. The infrastructure and facilities within the hostel campus match or even beat most of the international housing campuses. All the students are provided with wooden beds, mattresses, pillows, side table, study table, chair, curtains and an individual wooden cupboard. A comfortable temperature is maintained in all the rooms by a centralised HVAC system. All the rooms have attached washrooms with hot and cold water supply. All hostel blocks are fully Wi-Fi zones.

We strongly recommend and encourage students to go for hostel accommodation and enjoy sharing quality time with their friends and fellow students. This enriches both their personal and educational exposure. The hostel provides safe and very comfortable environment both inside and outside the rooms. Fun activities are held from time to time within the hostel campus for the residents.



Hostel Details

1. B7 Block : Total Area - 12,900 sqm
   335 Rooms
   5 Squash courts
   1 Tennis court
   2 Basket Ball Court
   2 Badminton Court.

LEVEL	TUNNEL AREA STATEMENT (SQM)	AREA IN SQFT
96.15 LVL PLAN	535.33	5762.29
101.85 LVL PLAN	171.91	1850.44
104.85 LVL PLAN	211.68	2278.52
106.10 LVL PLAN	185.26	1994.14
Total	**1104.18**	**11885.39**





IT Resources

Hardware

- 30+Servers Hosted in House+ 4 Servers on Cloud
- About 1030+ Desktop Computers and 5000+ Laptops
- 150 High End LCD Projectors
- Supercomputer Param Shavak from CDAC
- Cisco Switches: 130 L2, 10 L3 and 6500,6880 Core switch
- Cisco Firewall and Router
- 130+ Printers, Plotters, 3D Printers, Color Laser Printers
- Scanners, Photocopiers
- Audio Visual Systems
- Video Conferencing system
- Virtual Classroom equipped with Cisco SX-80.
- 5 Intelligent Interactive Panels, 84" Screens
- 35 Smart video phones and 600 IP phones
- 600+ CCTV cameras
- Biometric Attendance System for Students and Staff

Software

- 57+ licensed software and 20+ open source Tools
- Microsoft volume licensing subscriber
- Unix, Linux, Fedora, Microsoft OS, MacOS
- RFID Enabled KOHA Library Software
- Mycampusdays.com for Hostel management
- YOHO for hostel access and registration
- Relyon for payrolls and Tally for accounting
- AMS for academic management
- Microsoft Dynamics NAV based Integrated ERP solution for Finance, Admissions, Examinations, Training & Placement and Purchase (Few Modules Live)
- MHRD supported QEEE system based on A-View

Services

- WIFI bandwidth of 555 Mbps (from ISPs Tata, Reliance) throughout campus
- Extra Leased Bandwidth for LAN 165 Mbps
- Gigabit Fiber Connectivity in Intranet
- Central Computing Facility
- Microsoft Office 365 Cloud Mail Servers
- Website hosting all University details and information
- Library access
- Employee Service Platform
- Security Surveillance System through CISCO Platform
- State of the art website - hosted on Amazon Cloud, designed using Adobe CQ and AEM
- CISCO Ex-90







Library - the Learning Resource Center

Physical Infrastructure The MUJ Libraries, comprising of the Central Library, the Law Library and the Faculty of Design Library, have a total area of 1838 Sq m, with 284 Seating capacity along with Reading, self-study and group study spaces of 350 sq m. In addition, there are 60 cubicles for self-study, 8 rooms for group study discussion. Some Schools/Departments also maintain separate libraries. The Libraries are manned by staff of eighteen persons.

Supports and Services

The Library provides the following services and support to its readers:

Access through Easylib software, Online Journals & E-books, Reprographic facilities, Reference section, Complete NPTEL web and video based courses, Book Fairs for the benefit of students and staff, Library orientation programmes and extended timings during examination periods. Students are permitted to carry laptops inside the library.

Number of Books purchased:

S.No.	Faculty	No. of Titles Added	Total No. of Volumes
1.	Faculty of Engineering	779	1086
2.	Faculty of Science	395	606
3.	Faculty of Arts & Law	749	1906
4.	Faculty of Management	389	983
5.	Faculty of Design	976	4011
	Total	**3288**	**8592**

S.No.	E-Resource Package	Subjects/ Department
1.	IEEE (ASPP + POP Combo subscription package)	Engineering (Electrical, Electronics, Computer Science and IT)
2.	American Society of Civil Engineers (ASME)	Engineering (Mechanical)
3.	American Society of Civil Engineers (ASCE)	Engineering (Civil)
4.	McGraw-Hill's Access Engineering	Engineering
5.	Science Direct – Engineering and Computer Sciences	Engineering & Sciences
6.	DELNET ProQuest Engineering	Engineering
7.	DELNET Infrotrac Engineering Sciences & Technology Collection	Engineering
8.	Proquest – ABI/INFORM Global	Management
9.	EBSCO – Business Source Elite	Management
10.	EBSCO – Hospitality & Tourism Complete	Hotel Management
11.	EBSCO – Art & Architecture	Architecture & Design
12.	EBSCO – Academic Search Elite	Basic Sciences, Business, Communication, Education, History, Home & Living, Literature & Writing, Philosophy, Law, Politics, Religion, Social Science, Humanities, Sports, Technology, etc.
13.	EPWRF India Time Series	Indian Economy & Allied
14.	Manupatra	Law
15.	Supreme Court Cases (Online)	Law
16.	Lexis India	Law
17.	Corporate Law Advisor Online	Law
18.	AIR Online	Law

Print Journals & Magazines Subscribed:

1. **No. of Print Journals: 60**
2. **Print Magazines: 53**

Memberships:

- INFLIBNET (Information and Library Network Centre)
- DELNET (Developing Library Network)
- ISSC (Indian Social Science Congress)

Events organized by Library:

a. Book Fair (from 6-7 September, 2016 and January, 2017)
b. Invited Lecture/Seminar (June 9, 2017 by Dr. Lata Suresh, Head, KRC, IIAC, Guargaon,
c. KOHA workshop organized (August 31 to September, 2017)



MOUs Signed in 2016-17

International

S.No.	University/Institute Name	Date of signing MoU
1	**Flinders University, Adelaide, Australia** Joint teaching & research Projects, Visit & exchange of faculties/students, Joint Consultancy, Co-hosting International conferences, symposia & seminars	09 Aug 2016
2	**ISEP Portugal** Faculty & Student exchange, joint projects in research, Co-hosting International conferences, congresses & symposia	12 Jan 2017
3	**Strathclyde University UK** Opportunities for the establishment of articulation agreement, e.g. 2+2 & 4+1, Academic Staff exchange, joint research activities, student exchange	21 Feb 2017

National

S.No.	University/Institute Name	Date of signing MoU
1	**Institute of Public Enterprise, Hyderabad** To establish academic and research cooperation and to create a multi-disciplinary, multi-level relationship in the areas of exchange of teaching/students & research in academic or scientific and technological interest.	09 Aug 2016
2	**Professional Education Services (Triumphant Institute of Management Education Pvt Ltd) (TIME)** For conducting of CAT/GRE/GMAT classes on weekends or weekdays after college hours, exclusively for MUJ students.	26 Aug 2016
3	**CSIR – IIP Indian Institute of Petroleum, Dehradun** To form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and science with special emphasis on Chemical Engineering & alternative fuels and relates fields.	29 Aug 2016

4	**PRIA International Academy (PIA), New Delhi (UNESCO)** Jointly develop programs that combine thematic content in line with United Nations Sustainable Development Goals (UNSDGs). Jointly develop courses for training of mentors and for the students for achieving the objectives of Knowledge for Change (K4C).	8 Sept 2016
5	**Central Institute of Plastics Engineering & Technology, Jaipur** To promote academic, research and training between both the institutions through staff/students exchange programs in AUTOCAD, CREO, CATIA, UE NX, SOLID Work, Solid Edge, ANSYS, CNC Machine etc.	26 Oct 2016
6	**CSIR CEERI Pilani** To form a nucleus for promoting excellent quality manpower in the fields of engineering, technology and science with special emphasis on electronics engineering, computer engineering & IT related fields.	23 Jan 2017

S.No.	University/Institute Name	Date of signing MoU
7	**MoU between four institutes (MUJ, SRICT, BEIL and MaViPa)** Development of a Lab (5 Kg/hr facility) to efficiently utilize the municipal solid waste, conducting experimental studies for product yields and quality estimation, conducting modeling and simulation studies for process design and scale-up to operate at commercial scale.	31 Jan 2017
8	**Chanakya National Law University, Patna for conducting Common Law Admission Test CLAT-2017** To conduct common law admission test (CLAT) 2017.	23 Feb 2017
9	**Oracle Academy Institution Membership Agreement** Oracle Software Licenses for conducting Labs for DBMS to be used in MUJ Premises on MUJ owned computers is free of cost.	08 June 2017
10	**Agreement with EC Council for Cyber Security Courses** Cyber Security Certification course on Certified Ethical Hacker (CEH) and Computer Hacking Forensics (CHFI) for faculty of SCIT.	05 July 2017

Industry Collaboration

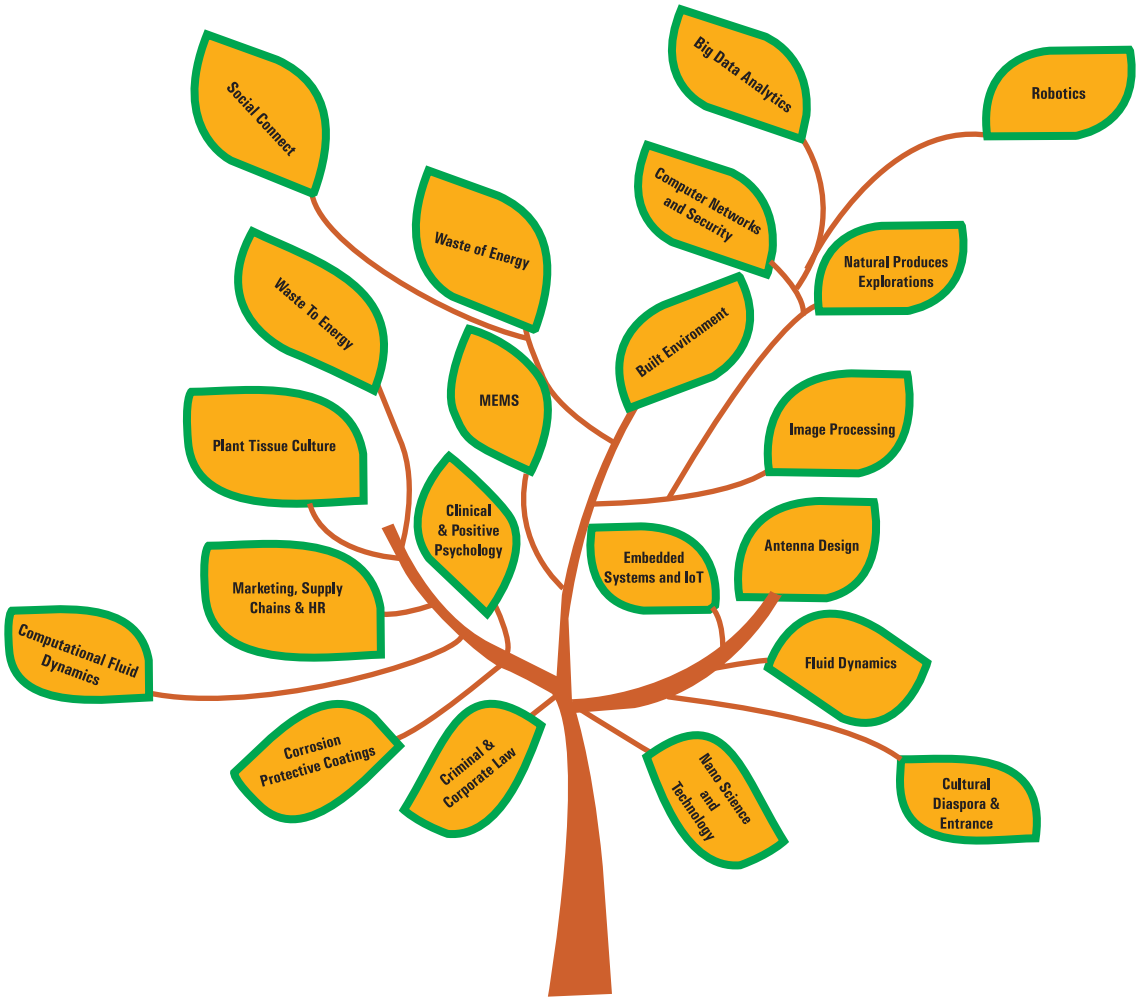
S.No.	University/Institute Name	Date of signing MoU
1	**The Cyberops Infosec LLP Jaipur** Cyber security training program of cyberops with the purpose of rendering cyber security training program to MUJ students.	12 Sept 2016
2	**Dell International Services India Pvt Ltd Bangalore** To work together on various joint projects relating to Big data and IoT and any such other areas.	29 Sept 2016
3	**FORSK Technologies, Jaipur** Learning of Internet of Things (IoT) through hands-on working and building project modules.	09 Nov 2016
4	**Secure Meters Ltd. Udaipur** To improve industry exposure of the students and enhance the visibility of secure amongst students of the MUJ by implementing/engaging in various programs to provide industrial exposure to engineering students.	26 Nov 2016
5	**DKOP Labs Pvt Ltd. Noida** For industry and academic partnership for skill enhancement and improved industry engagement through studio and flip classroom concept to bring engineering candidates as part for their academic curriculum through project based learning backed by industrial tools, operations and practices.	11 Feb 2017

III



Research

Thrust Areas



Ongoing Internally Funded Projects

Investigator (PI or Co-PI)	Title of Project	Amount sanctioned INR	Office Order
Mr Tanveer Ahemad – PI Dr Oinam, Co-PI Deptt of Journalism Dr Aparna Makkar, Co-PI	"A Media Prospective Of Expectations & Challenges To The Small Scale Industries In Bagru Town"	1,00,000	Extension Order : MUJ/REGR/1467/16 dated June 02, 2016
Mr Priyank Singh Hada(PI) Prof. Roheet Bhatnagar (Co-PI) CSE	"Setting Up Of Cloud Computing Test bed For E-Governance Projects Of Government Of Rajasthan"	1,00,000	MUJ/REG/OO/2014-02 dated 02-01-2014
Dr Devi Prasad Sharma(PI), Ms Priyanka Dahiya(Co- PI) Mr Ravinder Yadav(Co- PI) Mr Jaya Krishna (Co-PI) CS&IT	"Cluster Designing For HPC And Big- Data"	1,00,000	MUJ/REG/OO/2014-194 dated July 2, 2014
Mr Arvind Kilaru (Co-PI) Mr Ravinder Yadav (Co-PI),CS & IT	"Design of a Novel Security Scheme for Inter Cloud SLM"	1,00,000	MUJ/REGR/ 2014
Dr Rahul Srivastava Department of Chemistry	"Synthesis of metal Oxide nanoparticles"	1,00,000	MUJ/REG/OO/2014-187 dated October
Dr Anupam Kumar Sharma (PI) Dr Nilanjan Halder,(CO-PI) Deptt of Physics	Magnetic and structural properties of Ni nano caps deposited onto self-assembled nano-sphere array	1,00,000	MUJ/REGR/1403/29 dated Feb.02,2015
Dr Nilanjan Halder, PI and Dr Kamakhy Prakash Misra Co–Investigator Deptt of Physics	Growth of TiO_2 Nano Wire arrays on pre-treated substrate by Chemical bath deposition	1,00,000	MUJ/REGR/1403/30 dated Feb. 02, 2015
Prof R A Dubey, PI, School of Automobile, Mechanical & Mechatronics Engineering (SAMM)	Development of a heat pipe for extracting geothermal energy	1,00,000	MUJ/REGR/1403/19 5 dated July 24, 2015
Mr Upendra Kulshetra, PI, School of Automobile, Mechanical & MechatronicsEngineering (SAMM)	Improvisation of wear characteristics of automobile tyre using nanomaterial reinforcement	1,00,000	MUJ/REGR/1403/19 5 dated July 24, 2015
Dr Sanchita Bandyopadhyay Ghosh, P Mech Engg	Cellulose Nanofibre Reinforced Bioactive Foam Scaffold for Binomedical Applications	1,00,000	MUJ/REGR/1467/19 6 dated Nov. 06, 2015
Dr Subrata Bandhu Ghosh Mech Engg	A Sustainable Approach Development of High Performance Bio-nan composite Film from Renewable Feedstock	1,00,000	MUJ/REGR/1403/11 dated Feb 06, 2016

Dr Ram Dayal Mechatronics Engg	Discrete particle modelling for thermodynamic analysis of sintering of metal powders	1,00,000	MUJ/REGR/1403/11 dated Feb 06, 2016
Mr Jaiveer Singh Mech Engg	Development of Degradable Metallic Foam Composite for Bone Tissue Engineering	1,00,000	MUJ/REGR/1403/11 dated Feb 06, 2016
Mr Ashish Goyal Mechanical Engg	Investigation of the effects of cryogenic treatment on machining of super alloy using WEDM by Taugchi's DoE	1,00,000	MUJ/REGR/1403/11 dated Feb 06, 2016
Dr Pushpendra Kumar Deptt. of Physics	"Synthesis and Characterization of Si nanoparticles from Electrochemically prepared Porous Silicon"	1,00,000	MUJ/REGR/ 1467/12 dated July 29, 2016
Dr Amit Rathi Deptt. of Electronics & Communication Engineering	"Analysis of Optical Gain in Type-II Quantum well heterostructures based on ternary and quaternary compound semiconductors"	75,000	MUJ/REGR/1467/14 dated August 06, 2016
Dr Renu Kumawat Associate Pro f Deptt of ECE	" Design, development and electrical characterization of Nanocell device based on OPE molecule for memory application"	1,00,000	MUJ/REGR/1467/19 dated November 11, 2016
Mr Rahul Saxena Ms Monika Jain SCIT	" Smart Monitoring and Control for Electrical Appliances"	30,000	MUJ/REGR/1467/20 dated November 18, 2016
Mr Kumar Gaurav –PI Dr Ajay Kumar and Dr Ram Dayal Co -PI	"Investigating of Spatial and temporal variations in chemical plume for source localization using mobile robots"	1,00,000	MUJ/REGR/1435/01 dated February 11, 2017
Col P M Meena - PI Civil Engg	"Behaviour of skirted strip footing with Internal Skirts on dune sand"	1,00,000	MUJ/REGR/1435/02 Dated March 10, 2017w.e.f 01 April 2017
Dr Garima Agarwal -PI Dr Sunil Joshi- Co –PI Deptt of Mathematics	"Application of Fractional Calculus with Geometric function theory"	75,000	MUJ/REGR/1435/03 Dated March 15, 2017 W.e.f 01 April 2017

Dr Pallavi Tak Assistant Professor Economics Deptt	"Integrated Township: A study of Economic Sustainability"	75,000	MUJ/REGR/1435/03 Dated March 23, 2017 W.e.f 01 April 2017
Dr Vijay Shankar Kumawat - PI Dr Subrata Bhandu Ghosh -PI Deptt of Mechanical Engineering	"Development of Novel Bioactive Nano -composite Scaffold for Biomedical Applications",	1,00,000	MUJ/REGR/1435/05 dated July 29, 2017
	Total	**2,155,000**	

Endowment Fund Allocation

Endowment fund 2016-17

Utilization Head	Budget Allocated Rs.(In Lakhs)	Number of Faculty members/Students benefitted	Total Amount Allocated Rs. (In Lakhs)
Faculty Members for International Visit	10	18	9
Faculty Members for Visit to industry during summer	8	11	5.5
Visiting/chair faculty	22	6	10.7
Faculty Members going to reputed Institutions for PhD/Post doc	Nil	Nil	NA for 2016-17 (No Allocation)
Seed Grant for Faculty Members	15	6	15
Research Equipment	50	2	50
Entrepreneurship Grant for Students	6	04	2.12
Enhanced PhD Fellowship to research Scholars	30	10	30
M. Tech Scholarships For GATE qualified Students	50	NA	No Allocation
Scholarships for International Students(NRI)	9	9	9
Total	**200**	**66**	**131.32**

Endowment fund 2016-17 : Further allocated

Sr. No.	Utilization Head	Budget Allocated Rs. (In Lakhs)	Number of Faculty members/ Students benefitted	Total Amount Allocated Rs. (In Lakhs)
1	Enhanced Support to Faculty International visit for strong linkages with Institutes abroad	25	06	6
2	Enhanced PhD Fellowship to more Research Scholars	15	05	4.25
			Total	**10.25**

Total Endowment Fund allocated during session 2016-17 : Rs. 141.57 (in Lakhs)

Endowment Fund 2016-17 : Faculty International Visit

Sr. No.	Name & Designation, Department	Name & Designation of Host/Institute	Amount Allocated Rs. (in Lakhs)
1.	Dr Ram Dayal, Associate Professor Mechatronics Engineering	Prof Alidad Amirfazli, Professor and Interim Chair Department of Mechanical Engineering, Lassonde School of Engineering York University, Canada	0.5
2.	Dr Nitu Bhatnagar, Assistant Professor Chemistry	Prof To NGAI, Associate Professor The Chinese University of Hong Kong, Shatin	0.5
3.	Dr Manish Tiwari, Professor ECE	Dr Sigang Yang, Associate Professor Tsinghua University, Beijing China	0.5
4.	Dr Abhishek Sharma, Associate Professor Chemical Engg	Prof Samir Mushrif Nanyang Technological University, Singapore	0.5
5.	Prof Roheet Bhatnagar, Professor, CSE	Prof Hui Lin, Pr ofessor and Director The Chinese University of Hong Kong, Shatin	0.5
6.	Dr Richa Arora, Professor Languages & Director Admission	Prof N Mclean, Director, Language Centre (LSE) LSE Language Centre, London School of Economics And Political Science 20 Kingsway, London WC2A 2AE	0.5

7.	Mr. Anil Dutt Vyas, Associate Professor Civil Engg	Dr Christoph Luthi, Director Sandec, Sanitation, Water and Solid Waste for Development Uberlandstrasse 133 P.O.Box 611 8600 Dubendorf, Switezerland	0.5
8.	Dr Sanyog Rawat, Associate Professor ECE	Dr Anirban Bandyopadhyay Advanced Scanning Probe Microscopy Group, Advance Nano Characterization Centre (ANCC), Japan	0.5
9.	Dr Amit Jain Director SHM	Prof(Dr) Laszlo Jozsa, SZE, Gyor, Hungry, Szechenyi Istvan University, Hungry and J.Selye University, Slov akia	0.5
10	Dr Amit Soni Professor Electrical Eng	Ailee Nam, Nanyang Technological University Singapore	0.5
11	Dr Tikam Chand Dakal Assistant Professor Biosciences	Prof Philippe Marullo, University of Bordeaux, France	0.5
12	Dr Jyoti Choudhary Asst Prof Dept of Physics	Dr Paul Lee Choon Keat, Nanyang Technological University Singapore	0.5
13	Dr Pushpendra Kumar Associate Prof Dept of Physics	Prof Gunther Andersson, Flinders University, Adelaide Australia	0.5
14	Prof Niti Nipun Sharma Pro President Professor Mech Engg	Prof, Subhas Mukhopadhyay, MACQUIRE University Sydney, Australia	0.5
15	Prof Manju Singh Director,SHSS	Prof Madhulika Kaushik, Wawasan Open University Penang, Malaysia	0.5
16	Prof Rajveer Singh Shekhawat Director,SCIT	David Baudry, CESI, Paris and other institutes of CEFIPRA	0.5
17	Prof Madhura Yada Director, SoA&D	Paul Vickers & Francois Dumount, Ecolebleue Global Design Paris	0.5
18	Prof Anant K Ozarkar Dept of Design	Paul Vickers & Francois Dumount, Ecolebleue Global Design Paris	0.5
		Total	**9 Lakhs**

Endowment Fund 2016-17 : Faculty Industry Visit

Sr. No.	Name & Designation, Department	Name of the Industry	Amount Allocated (in Lakhs)
1	Dr Manoj Bohra Associate Professor, Computer & Communication Engineering	Inventrom Pvt Ltd, Goa	0.5
2	Dr Anand Gupta Chakinala Associate Professor, Chemical Engineering	IIP Dehradun	0.5
3	Dr Manisha Sharma Assistant Professor, Chemical Engineering	IIP Dehradun	0.5
4	Mr Upendra Kulshreshta Assistant Professor, Automobile Engineering	HASETRI, Mysore (Karnataka)	0.5
5	Dr Ruchi Jain, Associate Professor, Fashion Designing	International Jewelry Show Mumbai	0.5
6	Ms Prabhjot, Fashion Design	Klothing Kraft Jaipur	0.5
7	Mr Vijay Shankar Kumawat , Associate Professor, Mechanical Engineering	Inventive Creators Technological Solutions Pvt Ltd Mumbai	0.5
8	Dr Sanyog Rawat, Associate Professor, Electronics & Communication Engineering	Altair Engg, Bengaluru	0.5
9	Dr Amit Rathi, Associate Professor, Electronics & Communication Engineering	Scientech Technology Pvt Ltd Indore	0.5
10	Dr Sushil Kumar Jain, Associate Profess or, Physics	Altair Engg, Bengaluru	0.5
11	Dr Subrata Bandhu Ghosh Associate Professor, Mechanical Engineering	Indag Rubber Ltd Nalagarh (HP)	0.5
		Total	**5.5 Lakhs**

Endowment Fund 2016-17 : Visiting/Chair Faculty

Sr. No.	Name & Designation, (Host Dept)	Name & Designation of Visiting Faculty	Amount Allocated Rs. (In Lacs)
1	Prof Ravi Chaturvedi, Director, JMC	Artist Ms Nikolina Spasic and Mr Milan Navakovic, Serbia	2.5
2	Prof AK Sinha, Director, SBS	Prof Gunther Andersson, Flinders University, Australia	2.5
3	Prof Amit Jain, Director, SHM	DrLaszlo Jozsa Szechenyi, Istvan University,Hungary	2.5
4	Prof AD Vyas, Civil Engg	Prof Sam Harsh, Marshall University USA	1.5
5	Prof Manju Singh, Director, SHSS	Prof P K Chaubey Senior Consultant in Economics, Indira Gandhi National Open University (IGNOU), New Delhi	0.85
6	Prof Manju Singh, Director, SHSS	Prof Ganesh Kawadia, Professor and Head, School of Economics, Takshashela Campus, Devi Ahilya University,Indore	0.85
		Total	**10.7**

Endowment Fund 2016-17 : Seed Grant for Faculty Members

Sr.No.	Name	Title of the Project	Budget Allotted Rs (in Lacs)
1.	Dr Abhishek Sharma Department of Chemical Engg	Conversion of Agricultural Residues and other Wastes into Fuels and Energy	2.85
2.	Dr Tanmoy Chakraborty (PI) Mr Prabhat Ranjan Department of Chemistry	A computational Study of Nano - Composite Materials Invoking Conceptual Density Functional Based Descriptors	2.9
3.	Dr Ram Dayal (PI) Mr Ankur Srivastava (Co-PI) Department of Mechatronics Engg	Investigation of Heat Transfer and Friction Char acteristics of symmetrically heated duct, with array of Cylinders as Passive Turbulators	2.75
4.	Dr Amit Soni (PI) Dr SA Siddiqui (Co-PI) Department of Electrical Engg Dr Jagrati Saharia (Co-PI) Department of Physics	Experimental Study on Highly Adequate and Flexible Perovskites ($CH_3NH_3PbX_3$(X=I, Br,Cl) thin film solar cell materials for small scale applications	1.75
5.	Dr Nitu Bhatnagar Department of Chemistry	Physico-Chemical Standardization of Some Ayurvedic Bhasma	2
6.	Dr Tikam Chand Dakal Department of Biosciences	Nanotechnology for Combining Multi - Drug Resistance in Micro -organisms	2.75
		Total	**15**

Endowment Fund 2016-17 : Research Equipment

Sr. No.	Name	Department	Equipment Name	Model	Budget Recommended
1.	Dr Anand Gupta Chankinala	Chemical Engineering	Thermo -gravimetric Analysis (TGA)	TGA 4000	21 Lakhs + Custom Duty
2.	Dr Babita Malik	Chemistry	Atomic Absorption Spectroscopy (AAS)		20 Lakhs+ Custom Duty
				Total	**41 Lakhs + Custom Duty**

Endowment Fund 2016-17 : Entrepreneurship Grant to Students

Sr. No.	Student Name	Startup Name	Branch & Year	Amount Allocated
1	Puru Goyal	Martopolis	IT, 3rd year	75,000/ -
2	Aayush Panwar	Eyrie Home Automation System	EEE, 3rd year	50,000/ -
3	Sarthak Saxena	Enovate Solutions	Mechatronics, 3rd year	Work Space allotted, Funding not required
4	Deepankar Garg	Curis, Because we C are	CSE, 3rd year	87000/ -
			Total	**2.12 Lakhs**

Endowment Fund 2016-17 : Enhanced PhD Fellowships to Research Scholars

Sr. No.	Name	Registration Number	Department	Date of Registration	Course work CGPA	Enhanced PhD Fellowships 25K /month (3 lakhs in a year August 2016 - July2017))
1.	Mukesh Saran	150705601	Physics	21-07-2015	**8.20**	**3 lakhs**
2.	Rakesh Choudhary	140704604	Mathematics & Statistics	17-07-2014	**8.50**	**3 lakhs**
3.	Vaishali	150402603	ECE	12-01-2015	**9.14**	**3 lakhs**
4.	Mallika Ahuja	150904603	SBC	12-01-2015	**8.80**	**3 lakhs**
5.	Gaurav Kumar Chhaperwal	150503601	Mechanical Engineering	16-07-2015	**8.83**	**3 lakhs**
6.	Puja Sharma	150904607	SBC	28-07-2015	**8.80**	**3 lakhs**
7.	Priyanka Yadav	150904602	Hindi	08-01-2015	**10.00**	**3 lakhs**
8.	Ekta Rewar	151005602	ECE	12-01-2015	**8.60**	**3 lakhs**
9.	Asha Prajapat	150904603	Hindi	22-07-2015	**10.00**	**3 lakhs**
10.	Shruti Mishra	140601607	TSB	19-07-2014	**8.78**	**3 lakhs**
					Total	**30 Lakhs**

Endowment Fund 2016-17 : Scholarships to NRI Students

Sr. No.	Registration No.	Candidate name	Branch	12th %	One year Tuition Fee	Budget Recommended (INR of 1 Lakh or full w aiver of fee whichever is less for the 1 st year)
1.	161301008	Anandita Sharma	BA (J&MC)	84.8	2400$	1Lakh
2.	169105010	Abhishek Khatri	CSE	83.4	7,000$	1Lakh
3.	169105174	Shefali Jain	CSE	83.2	7,000$	1Lakh
4.	169105190	Shubham Sanjay Mor	CSE	82	7,000$	1Lak h
5.	169105202	Tanmoy Arora	CSE	81.4	7,000$	1Lakh
6.	169105084	Harsh Ajay Sareen	CSE	77.69	7,000$	1Lakh
7.	169105098	Kshitu Verma	CSE	69.8	7,000$	1Lakh
8.	169105231	Rohan Puri	CSE	68.5	7,000$	1Lakh
9.	169105076	Devanshu Puri	CSE	63.2	7,000$	1Lakh
					Total	**9 Lakh**

Endowment fund 2016-17 : Re-Appropriation

(A) Enhanced Support to Faculty International visit for strong linkages with Institutes abroad

Sr. No.	Name & Designation, Department	Amount Allocation
1.	Prof NN Sharma, Pro -President & Dean FOE	1 Lakh
2.	Mr Anil Dutt Vyas, Associate Professor, Civil Engg	1 Lakh
3.	Dr Amit Jain, Director SHM	1 Lakh
4.	Dr Tikam Chand, Assistant Professor, Bio Sciences	1 Lakh
5.	Prof Rajveer Singh Shekhawat, Director, SCIT	1 Lakh
6.	Prof Madhura Yadav, Director, SoA&D	1 Lakh
	Total	**6 Lakhs**

(B) Enhanced PhD Fellowship to more Research Scholars

Sr. No.	Name of the Research Scholar	Date of Registration	Duration	Total Amount (in Lakhs)
1	Ms Swati Gupta , Bio-Sciences	6 January, 2016	April, 2017 to July, 2017	1
2	Ms Nilofer , Mathematics & Statistics	6 January, 2016	April, 2017 to July, 2017	1
3.	Ms Mamta Dhiman , Bio Sciences	JRF in External funding Project	April, 2017 to July, 2017	1
4.	Ms Khushbu Bhaskar Mathematics & Statistics	30 July,2015	May, 2017 to July, 2017	0.75
5.	Mr Pancham , Electrical Engineering	7 January, 2015	June, 2017 to July, 2017	0.5
			Total	**4.25 Lakhs**

Scholars Awarded PhD

Name of the Candidate	Department	Candidate	Supervisor	Co-Supervisor
Sunishtha Dhaka	Management	Full Time	Dr Anupam Krishna	-
Alka Choudhary	Computer Science Engineering	Full Time	Prof V N Tiwari	Prof Anil Dahiya
Sanjeev Tomar	Electronics Communication Engineering	Part- Time (External)	Prof Ajay Kumar	-
Shalini Sharma	Management	Full Time	Dr Sonia Munjal	-
Jyotika Sharma	Psychology	Full Time	Prof Geetika Tankha	-

PhD Scholars

Faculty	Department	Name of the Supervisor	Name of Co - Supervisor	Name of the Candidate	Mode of Ph D
Arts & Law	English	Dr Richa Arora	-	Mr Charu Tak	Part -Time (External)
Arts & Law	English	Dr Rabindra Kumar Verma	-	Ms Kinjal Jain	Part -Time (External)
Arts & Law	English	Dr Arun Dev Pareek	-	Mr Saptarsi Chakrabarty	Full -Time
Arts & Law	English	Dr Arpit Kothari	-	Ms Priyanka Joshi	Full -Time
Arts & Law	English	Dr Gaurav Mathur	-	Ms Surabhi Basotia	Full -Time
Arts & Law	English	Dr Yashoda Kumari	-	Ms Ritu Raj Choudhary	Part -Time (External)
Arts & Law	J&MC	Dr Ravi Chaturvedi	-	Ms Ambika Bhagat	Part -Time (Internal)
Arts & Law	J&MC	Dr Subhash Kumar	-	Mr Maninder Kumar Singh	Full -Time
Arts & Law	J&MC	Dr Saad Ullah Khan	-	Mr Sunil Kumar Sharma	Part -Time (External)
Arts & Law	J&MC	Dr Subhas Kumar	-	Mr Mohd Aleem Khan	Full -Time
Arts & Law	Languages	Dr Rabindra Kumar Verma	-	Ms Shalini Sharma	Part -Time (External)
Arts & Law	Languages	Dr Arun Kumar Poonia	-	Ms Purnima Sarsar	Full -Time
Arts & Law	Languages	Prof Richa Arora	-	Ms Rakhi Gupta	Full -Time

Arts & Law	Psychology	Dr Geetika Tankkha	-	Ms Dimple Kariya	Part-Time (External)
Arts & Law	Psychology	Dr Charu Dhankar	-	Ms Divya	Full-Time
Arts & Law	Psychology	Dr Prashasti Jain	-	Ms Shivani Rathore	Part-Time (External)
Arts & Law	Law	Dr Sony Kulshrestha	-	Ms Katha Mathur	Full-Time
Arts & Law	Law	Dr Vijay Laxmi	-	Mr Hans Honey Khari	Part-Time (External)
Arts & Law	Law	Dr Vijay Laxmi	-	Mr Vijay Gathala	Full-Time
Arts & Law	Psychology	Dr Geetika Tankha	-	Ms Sweta B Tirkey	Part-Time (Internal)
Arts & Law	Economics	Dr Shilpi Gupta	-	Ms Varuni Sharma	Part-Time (Internal)
Engineering	Civil	Dr Rajesh Mathur	-	Col Pooran Meena	Part-Time (Internal)
Engineering	Mechanical	Dr Dharmendra Tripathi	Dr Ravi Sharma	Mr Alok Kumar Ansu	Part-Time (Internal)
Engineering	Mechatronics	Prof NN Sharma	Prof Subhas Mukhopadhyay	Mr Anil Sharma	Part-Time (Internal)
Engineering	Mechatronics	Dr Renu Kumawat	Dr Manish Rawat	Mr Ashok K Kumawat	Part-Time (Internal)
Engineering	ECE	Prof Sandeep Sancheti	Dr Shashi Kant Sharma	Mr C P Gupta	Part-Time (Internal)
Engineering	Mechanical	Dr Vinod Singh Yadav	-	Mr Dharmesh Yadav	Part-Time (Internal)
Engineering	CSE	Dr Sandeep Choursia	-	Mr Harish Sharma	Part-Time (Internal)
Engineering	CSE	Dr Vijaypal Singh Dhaka	Dr Himanshu Chaudhary	Mr Nitesh Pradhan	Part-Time (Internal)
Engineering	Mechanical	Dr Ravi Sharma	Dr Dharmendra Tripathi	Mr Ravinder Jhorar	Part-Time (Internal)
Engineering	CSE	Prof Umashankar Rawat	Dr Roheet Bhatnagar	Mr Saket Acharya	Part-Time (Internal)
Engineering	ECE	Dr Sandeep Sancheti	-	Mr Sanjiv Jaswal	Part-Time (Internal)
Engineering	Mechanical	Dr Vinod Singh Yadav	-	Mr VinothR	Part-Time (Internal)
Engineering	Civil	Dr Meena Kumari Sharma	-	Ms Rajshree Mathur	Part-Time (External)
Engineering	Chemical	Dr Abhishek Sharma	Dr Ram Dayal/ DrJ B Joshi (External Examiner)	Mr Dheeraj Minglani	Full-Time
Engineering	Chemical	Dr Anand Gupta Chakinala	Dr Abhishek Sharma	Mr Hement Kumar Balsora	Full-Time
Engineering	Chemical	Dr Abhishek Sharma	Dr Anand Gupta Chakinala	Mr Kartik S	Part-Time (External)

Engineering	Chemical	Dr Abhishek Sharma	Dr Anand Gupta Chakinala	Mr Kartik S	Part-Time (External)
Engineering	Civil	Dr Meena Kumari Sharma		Mr Kumar Sonu	Part-Time (External)
Engineering	Civil	Dr Nitin Goyal	Dr A B Gupta (External Supervior)	Mr Anil Kumar Jain	Part-Time (External)
Engineering	Civil	Dr Gaurav Sancheti		Mr Aqeel Ali Shams Wagla Wala	Part-Time (External)
Engineering	IT	Dr Sumit Srivastava		Ms Bhavna Saini	Part-Time (Internal)
Engineering	ECE	Dr Tarun Kumar Dubey		Mr Ankit Gupta	Part-Time (External)
Engineering	ECE	Dr Amit Rathi		Mr Jayprakash Vijay	Part-Time (External)
Engineering	EEE	Dr S A Siddiqui	Dr Amit Soni/ DrG D Sharma	Mr Anupam Agrawal	Full-Time
Engineering	EEE	Dr S N Sharan		Mr Sanjeev Kumar Ojha	Part-Time (External)
Engineering	ECE	Dr Sanyog Rawat		Mr Pallav Rawal	Part-Time (External)
Engineering	ECE	Dr Ajay Kumar	Dr B P Singh	Ms Deepika Bansal	Part-Time (Internal)
Engineering	IT	Dr Arjun Singh	Dr Sandeep Chourasia	Mr Nitin Sharma	Part-Time (External)
Engineering	IT	Dr Vipin Pal	Dr Manish Tiwari	Mr Gagan Dubey	Part-Time (External)
Engineering	IT	Dr Devershi Pallaiv Bhatt		Ms Kirty Shekhawat	Part-Time (External)
Engineering	CSE	Dr Neha Chaudhary		Ms Ginika Mahajan	Part-Time (Internal)
Engineering	CSE	Dr Roheet Bhatnagar		Ms Swati Srivastava	Full-Time
Engineering	CSE	Dr Sandeep Chaurasia	Dr Devesh Srivastava	Mr Amit Kumar Sharma	Part-Time (External)
Engineering	CSE	Dr Sunita Singhal		Mr Sandeep Kumar Bothra	Part-Time (External)
Engineering	CSE	Dr Sunita Singhal		Ms Chayan Bhatt	Part-Time (External)
Engineering	Mechanical	Dr Ashok Kumar Sharma		Mr Bhasker Shrivastava	Part-Time (External)
Engineering	Mechanical	Dr R K Gupta	Dr Anand Pandey	Mr Mukesh Kumar	Part-Time (External)
Engineering	Mechanical	Dr N N Sharma	Dr Ram Dayal	Mr Shivnath Mishra	Part-Time (External)
Engineering	ECE	Dr Renu Kumawat		Mr Brijraj Singh Solanki	Part-Time (External)
Engineering	ECE	Dr Shilpi Birla		Ms Deepika Sharma	Part-Time (External)

Engineering	ECE	Dr Shashi Kant Sharma	Dr Renu Kumawat	Mr Neeraj Jain	Part-Time (External)
Engineering	ECE	Dr Himanshu Choudhary	Dr Kulwant Singh	Ms Monica Lamba	Part-Time (External)
Engineering	EE	Dr Amit Saraswat	Dr Shahbaz Ahmed Siddiqui	Mr Ravi Ucheniya	Full-Time
Engineering	Economics	Prof Manju Singh	-	Ms Minali Banerjee	Full-Time
Engineering	Economics	Dr Mahendra Parihar	-	Ms Akanksha Singh	Full-Time
Engineering	Mechanical	Dr RK Gupta	Dr Bhuvnesh Bhardwaj	Mr Bhanu Pratap	Full-Time
Engineering	Mechanical	Dr RK Gupta	Dr Bhuvnesh Bhardwaj	Mr Manu Khare	Full-Time
Engineering	Civil	Dr Meena Kumari Sharma	Dr RC Gaur	Mr Surya Pratap Singh	Full-Time
Engineering	Civil	Dr Arvind Kumar Jha	-	Mr Ankush Kumar Jain	Part-Time (External)
Engineering	Civil	Dr Arvind Kumar Jha	-	Ms Shivanshi	Part-Time (External)
Engineering	IT	Dr Pratistha Mathur	-	Mr Lalit Kumar Saini	Part-Time (External)
Engineering	IT	Dr Devershi Pallavi Bhatt	-	Ms Vineeta Soni	Part-Time (Internal)
Management & Commerce	Commerce	Prof ML Vedera	-	Mr Mohammed Zeeshan Qadari	Part-Time (Internal)
Management & Commerce	Management	Dr Amit Jain	-	Ms Sohini Patel	Part-Time (External)
Management & Commerce	Business & Commerce	Dr S C Sharma	-	Mr Jai Pahelagani	Part-Time (External)
Management & Commerce	Management	Dr Umesh Solanki	-	Mr Prasoon Mani Tripathi	Part-Time (External)
Management & Commerce	Business & Commerce	Dr M L Vadera	-	Ms Shivani Kampani	Full-Time
Management & Commerce	Business & Commerce	Dr Saurabh Sharma	-	Mr Ankit Rathi	Part-Time (External)
Management & Commerce	Management	Dr Samar Sarabhai	-	Mr Anil Kumar	Part-Time (External)
Management & Commerce	Management	Prof (Dr) Nilanjan Chattopadhyay	Dr Amit Garg	Mr Debasish Prusty	Part-Time (External)
Management & Commerce	Management	Prof Amit Jain	-	Mr Abhishek Sharma	Part-Time (External)
Management & Commerce	Commerce	Dr Birojit Mohanty	Dr ML Vadera	Mr Mahesh Kumar	Full-Time
Management & Commerce	Commerce	Dr Saurabh Sharma	-	Mr Bhaskar Arora	Full-Time

Management & Commerce	Commerce	Dr Birajit Mohanty	-	Ms Sapana Sharma	Part -Time (External)
Management & Commerce	Commerce	Dr Tanushree Sharma	Dr Gaurav Lodha	Mr Naresh Agrawal	Part -Time (External)
Management & Commerce	Commerce	Dr Ity Patni		Mr Ajay Kumar D Goswami	Part -Time (External)
Management & Commerce	Commerce	Dr Sunny Dawar	Prof SC Sharma	Ms Mamta Soni	Full -Time
Management & Commerce	Commerce	Dr Tanushree Sharma	Prof ML Vadera	Mr Ramawatar Saini	Part -Time (External)
Management & Commerce	Commerce	Dr Bhawna Chahar		Mr Samax Rana Jain	Part -Time (External)
Management & Commerce	Commerce	Dr Sunistha Dhaka	Prof SC Sharma	Ms Khushboo Raj	Part -Time (External)
Management & Commerce	Commerce	Dr ML Vadera	-	Mr Arun Gautam	Full -Time
Management & Commerce	Commerce	Dr Suhasini Verma	-	Ms Shweta Taluka	Full -Time
Sciences	Chemistry	Dr Naveen Kumar Singh	-	Mr Govind Gupta	Part -Time (Internal)
Sciences	Mathematics & Statistics	Dr Sunil Joshi	Dr Sunil Dutt Purohit (External Supervior)	Mr Nirmal Kumar Jangid	Part -Time (External)
Sciences	Mathematics & Statistics	Dr Sunil Joshi	Dr Sunil Dutt Purohit (External Supervior)	Mr Murli Manohar Gour	Part -Time (External)
Sciences	Biosciences	Dr Abhijeet Singh	-	Mr Bjorn John Stephen	Full -Time
Sciences	Biosciences	Dr Tikam Chand Dakal	-	Ms Mamta Pal	Full -Time
Sciences	Biosciences	Dr Rohit Jain	-	Mr Lal Singh	Part -Time (External)
Sciences	Physics	Dr Anupam Sharma	Dr Jitendra Tripathi (External Supervior)	Mr Rishabh Bisen	Full -Time
Sciences	Physics	Dr Anupam Sharma	Dr Jitendra Tripathi (External Supervior)	Mr Yogesh Kumar	Full -Time
Sciences	Physics	Dr Aashima Bagaria		Mr Chandan	Part -Time (External)
Sciences	Physics	Dr Sushil Jain	Dr Gaurav Saxena (External Supervior)	Mr Umesh Kumar Singh	Part -Time (External)
Sciences	Mathematics & Statistics	Dr Giriraj Methi	-	Mr Anil Kumar	Part -Time (External)

Sciences	Mathematics & Statistics	Dr Roheet Bhatnagar	Dr K K Singh (External Supervisor)	Mr Ganesh Borpatra Gohain	Part -Time (External)
Sciences	Mathematics & Statistics	Dr Jyoti Grover	-	Ms Kuntal Gaur	Part -Time (Internal)
Sciences	Chemistry	Dr Lalita Ledwani	-	Ms Mumal Singh	Full -Time
Sciences	Chemistry	Dr Naveen Kumar Singh	Dr AK Sinha	Mr Jabbar Khan	Full -Time
Sciences	Chemistry	Dr Debasis Behera	Dr Rahul Shrivastava	Ms Shubhra Pareek	Full -Time
Sciences	Chemistry	Dr Rama Kanwar Khangarot	-	Mr Ankit Sharma	Part -Time (External)
Sciences	Chemistry	Dr Arunava Agawal	Dr Debasis Behera	Ms Bhawna Rani	Full -Time
Sciences	Mathematics & Statistics	Dr Garima Agarwal	-	Mr Amit Gaur	Part -Time (External)
Sciences	Mathematics & Statistics	Dr Laxmi Poonia	-	Mr Sanjay Sharma	Part -Time (External)
Sciences	Mathematics & Statistics	Dr Sunil Joshi	-	Ms Priyanka Gupta	Part -Time (External)
Sciences	Bioscience	Dr MM Sharma	-	Ms Mamta Dhiman	Full -Time
Sciences	Bioscience	Dr Lalita Ledwani	-	Ms Mona Vajpayee	Full -Time
Sciences	Bioscience	Dr Veena Dhayal	Dr AK Sinha	Ms Deepti Sharma	Full -Time
Sciences	Physics	Dr Ashima Bagaria	-	Ms Richa Sharma	Part -Time (External)
Sciences	Physics	Dr Anupam Sharma	-	Mr Govind Singh Chandrawat	Part -Time (External)

Consultancy Projects

Name	Consultancy Firm /Funding agency	Project Title	Duration	Amount INR
Dr Nitin Goyal Faculty of Civil Engineering	Maharashtra Pollution Control Board, through IIT Bombay	Air Quality Monitoring, Emission Inventory and Source Apportionment Study for Ten Cities in the State of Maharashtra	June 2017 to June 2018	1,50,000
Prof. Anil Dutt Vyas & Faculty of Civil Engineering and Chemistry, MUJ	Asian Dev. Bank through RUIDP/ICF	Water & Sanitation studies in Rajasthan towns	April 2016 to March 2017	36,00,000 12,00,000 2,00,000 (Project on hold)
Prof Anil Dutt Vyas & Faculty of Civil Engineering	WSUP Advisory India Private Limited, New Delhi	Technical Review of the Design Handbook on Retro-Fitting of Public Conveniences	12 Sept 2016 to 31 Oct. 2016	200,000 (On going)
Prof Anil Dutt Vyas Faculty of Civil Engg	USAID/OFDA through MSI, USA	Monitoring & Evaluation of WASH program in Darfur, Sudan	1 st Feb, 2015 to 30 th April 2017	13,00,000 (Completed)
Prof Anil Dutt Vyas Faculty of Civil Engg	French & Italian Government through Crisil India	Water & Sanitation in small ,medium & urban areas of Ethiopia, Africa	June-Dec 2014	10,00,000 (Completed)
Prof Anil Dutt Vyas Faculty Civil Engg	Bill & Melinda Gates through Athena Infonomics India	Integrated MLE, Improved Urban Sanitation Delivery-Ecosystem & Road Map Design	Nov 2016 onwards, Indefinite contract	35,00,000 (project temporary on hold)
Prof NN Sharma, Dean FoE	Jaipur Development Authority (JDA)	Consultancy work for Dev. Of a Robotic Rescue Arm for Rescue of children fallen in bore wells	22-5-2016 To 21-8-2016	7,00,000/-
Dr Manvinder Singh Pahwa Department of Law	Pali Jila dugdh Utpadak Sahakari Sangh Ltd RCDF Rajasthan	'Financial Analysis of Renovation and Expansion of Pali Dairy'	Jan 2016-Dec 2017	1,14,000/-
Dr Manvinder Singh Pahwa Department of Law	Pali Jila dugdh Utpadak Sahakari Sangh Ltd RCDF Rajasthan	SWOT Analysis of Market Efficiency of Pali Dairy'	Jan 2016 Dec 2017	1,07,000/-

Ongoing Externally Funded Research Projects

Sr No.	Name of Faculty (Principal Investigator / Co-PI)	Name of the Funding agency	Title of the Project	Amount Received
1.	Dr Lalita Ledwani (PI) Deptt of Chemistry Dr Akhil Agarwal Central University of Rajasthan	DST, Govt of Rajasthan	"Development of Innovation Technology for Wast e Water Treatment from Textile Industrial Sites of Pali Regional, Raj."	Rs. 4 lakhs
2.	Dr Rahul Srivastava Dr Arunava Agarwala Deptt of Chemistry	DST, Govt of Rajasthan	"Nanoparticles Based Molecula r Probes: Effective and Sensitive Molecular Tools for Sensi ng of Fluoride and Other Toxic i ons from Drinking Water"	Rs. 4 lakhs
3.	Dr Niti Nipun Sharma Pro VC Deptt of Mechanical Engg, MUJ Dr Muthusamy Ananthasubramanian Prof. & Head Biotechnology Deptt of Biotechnology, Coimbatore	Dep t of Biotechnology (DBT) , New Delhi	"Development of soft printing system for DNA microarray chip fabrication using EWOD"	Total Cost : Rs. 5221400/ - MUJ Total Cost : Rs. 2073200/ -
4.	Dr Tarun Kumar Dubey Mr. Rohit Mathur Dept of ECE	DST, New Delhi & MSTR, Sri Lanka	"M-RoID: Framework for Capturing Real -Time Data through Optimal Deployment of Multiple Mobile Robots in Hazardous Indoor Environments for Disaster Management"	Rs. 9.75 Lakhs Approx
5.	Dr Tikam Chand Dakal Dept of Bio -Science	SERB DST, New Delhi	Characterization of genetic determinants of industrially beneficial physiological traits quantitative trait loci mapping	Rs. 25.40 Lakhs Approx
6.	Dr. Praveen Kumar Surolia Dept of Chemistry Prof. (Dr.) Vijaypal Singh Dhaka (IT Dept)	Science and Engineering Research Board (SERB)	Forecasting the power output of sensitized solar cells (SSC) with varying structural and weather parameters using soft computing techniques	Rs. 62 Lakhs Approx
7.	Dr Rahul Srivastava Dr Arunava Agarwala (Dept of Chemistry)	Science and Engineering Research Board (SERB) New Delhi	Fluorescent molecular probe for detection of reactive oxygen species (ROS) and metal ions	Rs 25 Lakhs Approx

8.	Dr Debasis Behera Dr Rahul Srivastava (Deptt of Chemistry)	UGC-DAE Consortium for Scientific Research, Indore	Efficient and eco -friendly hydrophobic anticorrosion coating of nan -composites formed by polymeric matrix and nitrogen rich heterocyclic molecules -grafted graphene oxide as nanofiller.	Rs. 12,58200/
9.	Dr. Subrata Bandhu Ghosh/ Dr. Sanchita Bandyopadhyay Ghosh Mechanical Engg Deptt	Indag Rubber Limited, New Delhi	"Development of High Performance Elastomeric Nano composites"	Rs. 30 Lakhs
10.	Dr. M.M. Sharma/ Dr. Abhijeet Singh Deptt of Bio Sciences	National Medicinal Plants Board (NMPB), New Delhi	*Ex- situ* Conservation Using *In Vitro* Methods of an Endangered Plant *Sterculia urens* Roxb.: A High Volume Trade Plant for Gum Karaya	Rs. 27.22 Lakhs
11.	Prof. A.K. Sinha Director SBSS	ISRO	Hydrogeomorphometry of the Martian Surface : Connecting Dots to understand the Hydrologic and Climatic Evolution and Groundwater potentiality of Ma'adam Vallis region in Aeolis Quadrangle (	Rs.16,25,180 /-
12.	Dr Abhijeet Singh Deptt of Bio Sciences	Department of Science and Technology, Rajasthan	Targeted delivery of dexamethasone -encapsulating PLGA nanoparticles to treat neuronal inflammations: A hallmark of neurodegenerative disorders.	Rs. 16,06,200 /-
13.	Mr. Ankit Chokriwal (Bio-Sciences Dept)	ICMR for award of SRF	Screening, isolation and identification of carotenoid producing bacteria along with biomimetic synthesis of silver nanoparticles by optimizing physic cultural conditions and their biomedical applications	Rs.12,69,600 /-
14.	Dr Shikha Jain (PI) Women Scientist Under DST (WOSA) Prof. Lalita Ledwani Mentor	Department of Science and Technology, GOI	Production of cyclosporine like amino (MAAs) from Cyanobacteria isolated from the hyper saline environments	Rs. 32,03,000 /-
15.	Dr Anupam Sharma Physics Deptt	UGC-DAE Consortium for Scientific Research, Indore	"In- situ Exchange Bias study of magnetic nan caps deposited onto self -assembled polystyrene Nano spheres"	Rs. 2,46,600/ -

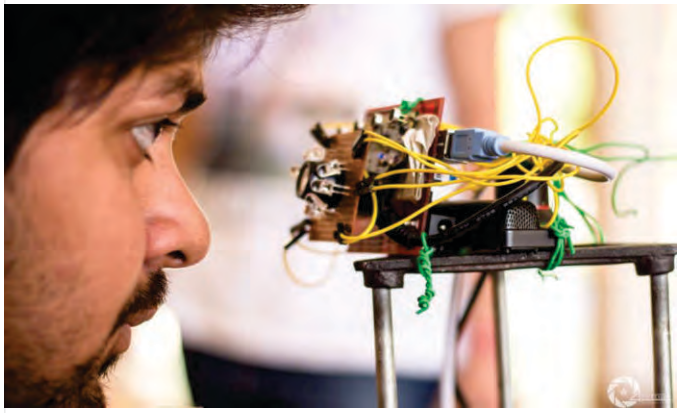
16.	Dr Monika Sogani Civil Engg	Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India	Enhanced biodegradation of organic pollutants as well as micro -pollutants	Rs. 45,000,00 / -
17.	Dr. Abhishek Sharma Chemical Engg	United Phosphorous Limited	Municipal Solid Waste conversion to fuel and energy	Rs. 46,62,000/ -
18.	Dr D C Agarwal	Office of Naval Research Global (ONRG), Singapore	Metal/Hetero mental Oxides Nanostructures for Marine Coatings: Synthesis and Characterization	US$ 218,500/ -
19.	Dr V N Tiwari ECE Deptt	DST, New Delhi	Design and Development of Ortho Mode Transducer and dielectric Horn Antenna For X - Band Frequency	Rs. 26,61,400/ -
20.	Dr. Sa nchita Bandyopadhyay - Ghosh	DST -SERB	Customized Bio -active composites bone -scafflod with controlled microstructure	Rs. 36 ,00000 /-



Special Facilities

MUJ has collaborated with Industry and established the following Centres for enhancing teaching-learning and research. These are given below:

1. Siemens PLC control and automation lab in Electrical Engineering
2. Bosch skill centre in Automobile Engineering
3. Bosch-Rexroth Sensoric lab in Mechatronics
4. Industry class CATIA Center with Dassault Systems in Mechanical Engineering
5. Semiconductor Fab lab in Electronics
6. High Performance Parallel Computing facility from CDAC
7. Nvidia CUDA Teaching Centre
8. INDAG Centre for rubber nano-composites development and
9. Naval International supported corrosion-resistant coatings lab.
10. Bionac Lab in Mechanical Engineering department









IV



Academic Faculties/ Schools / Departments

Faculty of Engiering

School of Automobile, Mechanical & Mechatronics

Department of Automobile Engineering

The Department of Automobile Engineering is equipped with state-of-the art facilities wherein students "learn by doing". Our B.Tech curriculum has been kept updated to meet Automotive Sector Development Council's requirements for engineers entering R&D, Service Engineering or Automobile Quality Equipment functions. Our capstone final semester internship project is based on Lean Six Sigma methodology that is used extensively in automobile OEM and ancillary industries.

The department is well equipped with laboratories such as, automobile engine assembly and disassembly, IC Engine testing, automobile transmission, and automotive electrical & electronics systems, CAD/CAM/CAE labs. Software package available include CATIA, Creo (Pro-E), ANSYS, Minitab, AutoCAD

Discovery Opportunity are available for faculty and aspiring students to pursue their research and project work in automobile engineering in new growth areas such as Electrical Vehicle Technologies and Solar powered vehicle systems.

Academic Programs with intake-

B.Tech (Automobile Engineering), the department after bachelors program in Automobile 60 students per academic year.

New initiatives-

1. **Bosch joins hands with Manipal University to launch training center in Jaipur**

Bosch Ltd, in collaboration with MUJ, launched a training center located in the Department of Automobile Engineering. The Joint Certification Center (JCC) was set up in August,2016. This centre spread across 2000 sq ft, and has been set up to provide quality training to students and dealership technicians. The Centre will impart training in the areas of Diesel systems, Gasoline systems, Diagnostics and Auto Electricals Automobile Air Conditioning and Climate Control.









2. Automobile Engineering Workshop

Manipal University Jaipur inaugurated its latest fully equipped Automobile Engineering Workshop on April 25, 2017. Spread across 3600 sq ft., this facility has state of art automobile diagnosis systems such as a 3D wheel alignment machine, computerized wheel balancing machine, automated tire changer, two post vehicle lift, computerized two wheel dynamometer, etc.

This workshop will provide experience learning opportunity to students for fabricating vehicles for competitions such as SAE Baja & eBaja, SAE Supra, Formula Student India, Formula Electric Vehicle, Solar Vehicle championship etc. This workshop will add more facility and equipment for our existing MUJ-Bosch Joint Certification Center that has already certified 70 BOSCH dealer network personnel and 22 MUJ students.

Automobile Engineering Workshop was inagurated by Prof. K. Ramanaryan, Vice President Faculty Development Manipal University, Manipal, Prof. H.P. Khincha, Ex-Chairmen Electrical Science Wing, IISc Bangalore, Shri Rajen Padukone, Group President MaGE, Prof. Sandeep Sancheti, President Manipal University Jaipur, Prof. Kumkum Garg, Pro-President Manipal University Jaipur, Prof. Vandana Suhag, Registrar Manipal University Jaipur, Prof. N.N. Sharma,Dean Faculty of Engineering Manipal University Jaipur





network personnel and 22 MUJ students.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof Rajesh Solanki	Professor & Head	Lean Six Sigma(DMAIC), DFSS, Lean Mfg, Quility Management, Quality Engineering.
2.	Mr Upendra Kulshrestha	Assistant Professor	Fault Diagosis & troube shooting, Service & Maintenance IC engines, Rubber Science Tech.
3.	Mr Satish Namdev	Assistant Professor	Kinematics & Dynamics of Automobiles, Strength of Materials, Vehicle Maintenance
4.	Mr Dharmesh Yadav	Assistant Professor	Transmission Systems, Chassis Systems, Automobile Air Conditioning
5.	Dr Yogesh K Bhateshvar	Assistant Professor	Hybrid Electric Vehicle, Automotive Electronics, Microcontrollers for Automotive Systems
6.	Mr Dalip Singh	Assistant Professor	Automobile Engineering, Corrosion, Oxide Coatings
7.	Mr Rakesh Kumar	Assistant Professor	IC engines, Automobile Engineering, Advanced Production Systems, Non Conventional Machining

8.	Mr Ashu Yadav	Assistant Professor	Automotive Design, Strength of Materials, Advanced Mechanics of Solids
9.	Mr Binay Kumar Rajak	Assistant Professor	Industrial Engineering, Operation Research, Quality & Reliability Engineering
10.	Mr Vinoth R Agarvas	Assistant Professor	IC Engines, Alternative Fuels, Thermal Sciences
11.	Dr Ashish Malik	Assistant Professor	Electric Vehicles, CFD
12.	Mr Pankaj Sen	Assistant Professor	Noise, Vibration & Harshness, Finite Element Analysis, Strength of Materials Reliability and warranty, Operation Reaserch, Quility
13.	Ms Niketa Jain	Assistant Professor	Engineering

Conference/Seminar/Workshop organized

1 Rally Sprint PRO held on October 1-2 , 2016.
2 Road Safety event held on December 25, 2016.
3 Hero Motors - Muskan NGO's Motorcycle Ride Safety held on January 17, 2017.
4 SAE NIS Student Convention 2017, held on January 28, 2017.
5 Community Action for Road Safety (CARS) NGO Reflector Drive held on February 27, 2017.

Visitors/Invited Lectures

1 Mr. Maruti Khaire (Genral Manager R&D, NBC Jaipur), Expert lecture series for Industrial Engineering and Enterprise Resourses Planning (AU1758) in August – November 2016.
2 Mr. Maruti Khaire (Genral Manager R&D, NBC Jaipur), Expert lecture for Design for Manufacturing (AU1552) in August – November 2016.

Publication in International Journals.(2016-2017)

1 Yogesh Krishan Bhateshvar, Hitesh Datt Mathur, Houria Siguerdidjane and Ramesh C. Bansal., "Ant Colony Optimized Fuzzy Control Solution for Frequency Oscillation Suppression", accepted in Electric Power Components and Systems on July, 2017.
2 Yogesh Krishan Bhateshvar, Hitesh Datt Mathur, and Ramesh C. Bansal. "Power-Frequency Balance in Multi-generation System Using Optimized Fuzzy Logic Controller." Electric Power Components and Systems (2017): 1-14.
3 Niketa Jain, Om Prakash Yadav, Ajay Pal Singh Rathore, Rakesh Jain, (2017) "Reliability Assessment Framework for a Multi-State Multi-Component System". Journal of Industrial and Production Engineering (Taylor and Francis). 10.1080 / 21681015. 2017. 1354086.
4 D Tripathi, A Yadav, OA Bég (2016), " Electro-kinetically driven peristaltic transport of viscoelastic physiological fluids through a finite length capillary: Mathematical modelling" Mathematical biosciences, (Elsevier).
5 D Tripathi, A Yadav, OA Bég (2017), " Electro-osmotic flow of couple stress fluids in a micro-channel propagated by peristalsis" THE EUROPEAN PHYSICAL JOURNAL PLUS (Springer).
6 A. Saini, S,K.Jat, D.S.Shekhawat, A. Kumar, V.Dhayal, D.C. Agarwal, " oxime- modified aluminium (III) alkoxides: Potential precursors for Y- alumina nano-powder and optically transparent alumina film, Material research bulletine 93 (2017)373-380.

International/National Conferences

1 Y. K. Bhateshvar, H. D. Mathur, and R. Bansal, "Impacts of Wind Power Generating System without Frequency Regulation support for Two-Area Interconnected Power System", International Conference on Engineering Research and Applications, ICAERA-2016, December, 2016.
2 Sagar Malviya, Oriol Capdevila, Yash Mishra and Yogesh krishan Bhateshvar, "Assessment of Solar Electric Vehicle & Strategy for Improvement of Its Performance", MSPEREHS-2016, Manipal University Jaipur, November, 2016.
3 Shubham Khandelwal, Vikash Joshi, Pavitra Kumar Gupta, Saransh Goyal, Y.K. Bhateshvar and Rajesh Solanki, "Adaptive Cruise Control - Case Study on Mercedes-Benz (DISTRONIC PLUS Cruise Control)", All India Seminar on Emerging Trends in Automobile Technology, IEI Alwar Chapter, Alwar, October, 2016.
4 Sagar Malviya, Oriol Capdevila Lacasa, Y.K. Bhateshvar and Rajesh Solanki, "analysis of Solar Electric Vehicle And Strategy For Improvement Of Its Performance", All India Seminar on Emerging Trends

in Automobile Technology, IEI Alwar Chapter, Alwar, October, 2016.

5 Jain N, Yadav O.P., Rathore A. & Jain R. (2016) "An Approach for Multi-State Multi-Component System Reliability Considering Dependency Behavior" 63rd Annual Reliability and Maintainability Symposium (RAMS)-2017; Florida, USA (IEEE Xplore).

6 Jain N, Yadav O.P., Rathore A. & Jain R. (2016) " Multi-State Reliability Framework for a Multi-Component System" 2nd International Conference on Mathematical Techniques in Engineering Applications (ICMTEA-2016); on April 29-30, 2016, Dehradun, India; p. 15.

7 Anand pandey and Rakesh kumar (2017) "Some studies using cryogenically treated rotary Cu tool electrode EDM" International conference on emerging trends in materials and manufacturing engineering ; on March 10-12, 2016, NIT Trichy.

Student Exchange

1. Anmol Sharma, Shreyas Srivastava and Vikas Choudhary attended a semester at ESTACA Paris in their 6th semester from 23.01.2017 to 28.05.2017. Mr. Shreyas Srivastava was also awarded Charpak Scholarship to Study in France by the French embassy.
2. Mr. Akkala Sai Rajeev attended a Summer Course on CFD at ESTACA, Peris from 03.07.2017 to 28.07.2017.

Faculty Achievement.

Mr. Vinoth R. was certified as an “International Engineering Iducator” by IUCEE on January 2017.

Department of Mechanical Engineering

The Department of Mechanical Engineering was established in 2011. Mechanical Engineering is one of the major streams in the engineering profession and its principles are involved in the design, study, development and construction of nearly all of the physical devices and systems. Mechanical Engineering degree equips students with knowledge and skills across a wide range of mechanical engineering topics. Major areas of study in Mechanical Engineering are Thermal, Production, Design & Industrial Engineering.

The Department offers Bachelor's degree in Mechanical Engineering, M Tech (Manufacturing Engineering and Technology) including Ph. D programs in several areas of specialisation.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof. Niti Nipun Sharma	Professor, Pro-President	Nanorobotics, Nanaomaterial reinforced Metals, Microfluidics, MEMS
2.	Prof. Gurdaman Lal Sharma	Professor	Robotics, Condition Monitoring, Automation, Control System, Marine Engineering
3.	Prof. Dinesh Chandra Agarwal	Professor	Material Science
4.	Prof. Ashok Kumar Sharma	Professor & HoD	Manufacturing Performance
5.	Prof. Sasanka S Ghosh	Professor	Machine Design, Gear Dynamics
6.	Prof. Ravi Kant Gupta	Professor	Reliability
7.	Prof. Rahul Goyal	Professor	IC engine, Cogeneration, Regeneration system, Thermal energy storage
8.	Dr. Ravi Kumar Gupta	Associate Professor	New product development, CAD/CAM, PLM
9.	Dr. Anand Pandey	Associate Professor	Materials and Manufacturing
10.	Dr. Subrata B Ghosh	Associate Professor	Polymers and composites, Composite
11.	Dr.Sanchita B Ghosh	Associate Professor	Micromechanics Composite materials
12.	Dr. Ravi Kumar Sharma	Associate Professor	Phase Change Materials, Thermal Energy Storage
13.	Dr. Dharmendra Tripathi	Associate Professor	Computation Fluid Dynamics
14.	Dr. Vinod Singh Yadav	Associate Professor	I C Engines, Alternate Fuels
15.	Mr. Lav Maheswari	Associate Professor	Material Science
16.	Dr. Santosh Patil	Associate Professor	FEM
17.	Dr. Jaiveer Singh	Assistant Professor	Physical and Mechanical Metallurgy
18.	Dr. Mithlesh Kumar Dikshit	Assistant Professor	Nanocomposites and Molecular Dynamics
19.	Mr. Anurag Joshi	Assistant Professor	Production Engineering
20.	Mr. Shashi Bhushan	Assistant Professor	Thermal Engg.
21.	Mr. Shyam Sunder Sharma	Assistant Professor	Automated Manufacturing System
22.	Mr. Hemant Raj Singh	Assistant Professor	Thermal Engg.
23.	Mr. Rishi Choudhary	Assistant Professor	Operation Research
24.	Mr. Vijay Shankar Kumawat	Assistant Professor	Manufacturing
25.	Mr. Ashish Goyal	Assistant Professor	Manufacturing

26.	Mr. Ankur Srivastava	Assistant Professor	Heat Transfer
27.	Mr. Ravindra Jhorar	Assistant Professor	Metallurgy
28.	Mr. Krashn Kumar Dwivedi	Assistant Professor	CAD, CAM
29.	Mr. Somenath Gorai	Assistant Professor	CFD
30.	Mr. Ashish Sharma	Assistant Professor	CFD
31.	Mr. G.S.S. Adithya	Assistant Professor	CAD, CAM
32.	Mr. Abhay Pratap Singh	Assistant Professor	Thermal Sciences
33.	MS. Pooja Singh	Assistant Professor	Thermal Sciences
34.	Mr. Alok Kumar Ansu	Assistant Professor	Heat Transfer
35.	Mr. Rakesh Kumar	Assistant Professor	CAD, CAM
36.	Mr. Rahul Khatri	Assistant Professor	Renewable Energy
37.	Mr. Krishnamurti Singh	Assistant Professor	Design and Manufacturing
38.	Mr. Arpit Khandelwal	Assistant Professor	Design Engineering
39.	Ms . Priyanshu Sharma	Assistant Professor	Design Engineering
40.	Dr. Vivek Kumar Barnwal	Assistant Professor	Material Science
41.	Mr. Vimal Kumar Pathak	Assistant Professor	Reverse Engg., Rapid Prototyping
42.	Mr. Ashish Shrivastava	Assistant Professor	Nano-composite
43.	Ms Poonam Kumari	Assistant Professor	Tribology
44.	Mr. Abhishek Kumar Tiwari	Assistant Professor	Orthopedic Biomechanics, Computational Mechanics
45.	Mr. Yogendra Singh Rajpoot	Assistant Professor	Computer Assisted Manufacturing



Sponsored /Consultancy Projects undertaken

1. Prof. N.N. Sharma received a project in collaboration with Biotechnology Department, PSG Coimbatore. "Development of soft printing system for DNA microchip array chip fabrication using EWOD" in Bio-Micro Electromechanical Systems (Bio-MEMS) and is worth INR 52.214 Lakhs. MUJ will get around INR 20.732 Lakhs. Tenure of the project is 3 years.
2. Prof. N.N. Sharma and three students of MUJ fabricated Jaipur Robotic Hand in collaboration with Bhagwan Mahaveer Viklang Sahayta Samiti.
3. Prof. N.N. Sharma, Mr. Ashish Sharma and Mr. Rakesh Kumar are working on JDA funded consultancy project "Robotic Rescue Arm" and is worth Rs. 7 Lakhs.
4. Dr. Sanchita Bandyopadhyay-Ghosh received external Research Grant from DST-SERB of Rs. 36 Lakhs (April 2017).
5. Dr. Subrata Bandhu Ghosh and Dr. Sanchita Bandyopadhyay-Ghosh received Research Grant from Indag Rubber Ltd. for Rubber Nanocomposite Project: Sanctioned amount: 30 lakhs (August 2016).
6. Metal/ Hetero-metal Oxides Nanostructures for Marine Coatings: Synthesis and Characterization, ONGR (Office of Naval Research Global)

R&D Activities

1. Dr. Dharmendra Tripathi, Associate Professor, Department of Mechanical Engineering received International Travel Grant by SERB, DST in June 2017

for participation in 23rd Congress of ESB 2017, Spain.

2. Dr. Dharmendra Tripathi received Indian National Academy of Engineering (INAE) Fellowship June-July 2017 (IIT Kharagpur) under supervision of Prof. Suman Chakraborty
3. Dr. Subrata B. Ghosh, Associate Professor, Department of Mechanical Engineering visited to Indag Rubber Ltd Plant at Nalagarh under the Endowment fund (sanctioned amount: Rs. 50,000/).
5. Dr. Santosh Patil was invited to judge a session in International Conference- IWCEM 2017 at Jaipur in June 2017.
6. Mr. Rakesh Kumar was shortlisted for attending summer fellowship programme (venture of Govt.of India) at IIT Ropar.
7. Mr. Abhishek Kumar Tiwari was shortlisted for attending summer fellowship programme (venture of Govt.of India) at IIT Ropar.
8. Prof. (Dr.) N.N Sharma, Dr. Dharmendra Tripathi, Dr. Santosh Patil and Dr. Anand Pandey have delivered invited talks in reputed universities /institutes abroad and in India.
9. Dr. Rahul Goyal visited Singapore and chaired a session in International Conference of eminent association of pioneers in March 2017.
10. Mr. Ankur Srivastava received an Endowment fund of Rs. 2,75,000 from MUJ as CO-PI for project titled "Investigation of Heat transfer and Friction characteristics of an asymmetrically heated duct with array of cylinders as passive turbulators".
11. Mr. Vijay Shankar Kumawat visited 3D Ware Industry at Mumbai in June 2017 from the endowment fund grant provided by MUJ.

Students Activities: The following student clubs are overseen by the Department:

- Aperture (Photography club)
- Wings Club (Aero Dynamic club)
- Innovader Club (Innovation club)

Extension Activities: Conferences/ Seminar/ Workshop organized

1. Dr. Anand Pandey, Associate Professor, Department of Mechanical Engineering, Manipal University Jaipur organized International Symposium on Micro Machining & Machinability on 28 Dec 2016
2. Department of Mechanical Engg. organized Faculty Conclave in association with IUCEE on 18 July 2017. Chief Guest Prof. Krishna Vedula, Executive Director, Indo Universal Collaboration for Engineering Education and Professor and Dean Emeritus, University of Massachusetts, Lowell, USA, participated and shared his experiences with the presenters for transforming engineering education as per outcome based education.
4. Faculty members from Department of Mechanical Engineering have published a number of research papers in SCI/ Scopus index journals from August 2016 to July 2017.
5. Dr. Anand Pandey, Dr. Santosh Patil, Dr. Dharmendra Tripathi, Dr. Abhishek Tiwari and Dr. Rahul Goyal have participated and presented their research papers in International Conferences abroad.

Visitors to Dept./Invited Lecture:

1. Prof. (Dr.) Morapakala Srinivas from BITS, Hyderabad Campus delivered a talk on the topic: Use of multi criteria evaluation (MCE) techniques to assess the "Viability" of technologies on 30 November 2016.
2. Dr. Navin Kumar, Head, Department of Mechanical Engineering, Indian Institute of Technology Ropar delivered a talk on BIOMECHANICAL EVALUATION OF Insect Based Biomaterials / Structures" On 25.03.2017.

Workshop attended by faculty members:

1. Mr. Shyam Sunder Sharma attended a workshop on Material Science and NDT at NITTTR, Chandigarh.
2. Mr. Abhay Pratap Singh attended a workshop on Material Science and NDT at NITTTR, Chandigarh.
3. Mr. Anurag Joshi attended a workshop on Advances in Mfg. systems under TEQIP phase-II, MITJ, Gwalior in Feb.2017.
4. Mr. Ashish Kumar Shrivastava attended a workshop on Analysis of non-linear problems of FEM at MNIT, Jaipur in December 2016.
5. Dr. Dharmendra Tripathi attended a workshop on SCT-2017 at MUJ in July 2017.
6. Mr. Somenath Gorai attended a workshop on SCT-2017 at MUJ in July 2017.
7. Mr. Shashi Bhushan attended a workshop on SCT-2017 at MUJ in July 2017.
8. Prof. Ravi Kant Gupta attended a workshop on

Modelling and Simulation using MATLAB at NITTTR, Chandigarh in January 2017.

9. Mr. Somenath Gorai, Mr. Rahul Khatri, Dr. Rahul Goyal, Mr. Alok Kumar Ansu, Mr. Abhay Pratap Singh attended online MOOC course on Engg. Thermodynamics in July 2017.
10. Mr. Rakesh Kumar attended MOOC course on Material Science in July 2017.

- **Chapter Publications:**

1. D. Tripathi, Shashi Bhushan, Ashu Yadav and Ashish Sharma, Mathematical Study of Peristalsis in a Presence of Electrokinetic Transport in Parallel Plate Microchannel, Lect.Notes Mechanical Engineering, M.K. Singh et al. (Eds): Applications of Fluid Dynamics, Springer, 2017.
2. R.K.Gupta, Y. Zhang, A. Bernard, B. Gurumoorthy, Generic classification and representation of shape features in sheet-metal parts, Chapter in AI Applications in Sheet Metal Forming, TMMME book series, Springer, S. Kumar, H.M.A. Hussein (Editors), 2017, ISBN 978-981-10-2250-0, pp. 15-39.

- **Conference Proceedings:**

1. Dharmendra Tripathi, Abhilesh B, Abhishek Kumar Tiwari and Rakesh Kumar "Alteration in Three Layered Microvascular Blood Flow using Electrokinetics" in 23 congress of European society of Biomechanics, Seville, Spain 2-5 July, 2017
2. Abhishek Kumar Tiwari, Rakesh Kumar, Dharmendra Tripathi " Bone Adaptation to pore-fluid pressure: Cyclic vs Rest Inserted loading" in 23 congress of European society of Biomechanics, Seville, Spain 2-5 July, 2017
3. Rakesh Kumar, Abhishek Kumar Tiwari, Dharmendra Tripathi and Subham Badhyal "The role of interstitial fluid pressure in site-specific new bone formation" in XXVI Congress of the International society of Biomechanics, Brisbane, 23-27 July, 2017.(Accepted)
4. Ashish Goyal,Anand Pandey & Pooja Sharma. "Evaluation of Material removal rate in Cryo-treated WEDM of aerospace material by DOE method", International Conference on Materials and Manufacturing Engineering, Chennai (April 2017).
5. Ashish Goyal, Anand Pandey & Pooja Sharma "Optimization of Surface roughness using Cryo treated WEDM: An experimental study", International Conference on Materials and Manufacturing Engineering, Chennai (April 2017).
6. Dharmendra Tripathi, Shashi Bhushan, Ashish Sharma, "Mathematical Study of Peristalsis in a Presence of Electrokinetic Transport in Parallel Plate Micro channel", "International Conference on Applications of Fluid Dynamics (ICAFD-2016)" Department of Mathematics, IIT (ISM) Dhanbad on December 19-21 2016.
7. Ashish Goyal, Anand Pandey & Rakesh Meghavanshi Experimental investigation and optimization of machining parameters of aerospace material using Taguchi's doe approach, Advancements in Aeromechanical materials for Manufacturing, Hyderabad (ICAAMM-2016).
8. Ravi Kumar Gupta, Farouk Belkadi, Alain Bernard, "Evaluation and management of customer feedback to include market dynamics into product development: Satisfaction Importance Evaluation (SIE) model", ICED17: 21st International Conference on Engineering Design (2017), Canada.
9. Ravi Kumar Gupta, Farouk Belkadi, Alain Bernard, "Adaptation of European product to emerging markets: Modular product development", 15e Colloque National AIP-PRIMECA (2-017), La Plagne (73) France.
10. Ravi Kant Gupta, Ravi Kumar Gupta, Cutting Tool for Marble & Granite: A Review, International Conference on Mechanical Materials and Renewable Energy, ICMMRE 2017, India.
11. Rakesh Kumar, Abhishek Kumar Tiwari, Dharmendra Tripathi and Subham Badhyal, "The role of interstitial fluid pressure in site-specific new bone formation", in XXVI Congress of the International society of Biomechanics, Brisbane, 23-27 July, 2017
12. Abhishek Kumar Tiwari, Rakesh Kumar, Dharmendra Tripathi , "Bone Adaptation to pore-fluid pressure: Cyclic vs Rest Inserted loading", in 23 congress of European society of Biomechanics, Seville, Spain 2-5 July, 2017
13. Dharmendra Tripathi, Abhilesh B, Abhishek Kumar Tiwari and Rakesh Kumar, "Alteration in three layered microvascular blood flow using electro kinetics", in 23 congress of European society of Biomechanics, Seville, Spain 2-5 July, 2017
14. R. K. Sharma, P. Ganesan, "Preparation and investigation of nano-enhanced PCM for thermal

energy storage", International Conference on "Electronics, materials Engineering & nano-technology", 28-29 April 2017, Science City Kolkata.

15. Rahul Goyal, Dheeraj Kishor Johar, Pradeep K Gupta, Dilip Sharma, S.L.Soni, 'An experimental investigation and exergy analysis of compression ignition engine operated cooker', Proceedings of 5th International Conference on 'Advances in Engineering and Technology' (AET-17), Singapore, 27-30 March 2017, Paper ID: EAP317001, pp 88-93, ISBN: 978-81-933894-0-9.
16. Saravanan Karuppanan, Santosh Patil, Finite element analysis of stress variation along the depth of gear tooth. ICPER 2016, Kuala Lumpur, Malaysia; August, 2016.
17. H. Kadam, S. Bandyopadhyay–Ghosh and S. B. Ghosh, "Development of Castor Oil based Flame-retardant Bio-nanocomposite Foam", International Conference on Nanomaterials and Nanotechnology, ICNANO-17, March, 2017, Allahabad, India.
18. V. S. Kumawat, S. Bandhyopadhyay-Ghosh and S. B. Ghosh," Novel Nano-fluorcanasite Reinforced Bioactive Nano-composites for Bone Tissue Repair", International Conference on Nanomaterials and Nanotechnology, ICNANO-17, March, 2017, Allahabad, India.
19. S. B. Ghosh, "Breaking the Hierarchy towards Development of Nanocellulose", 8th International Conference on Advancements in Polymeric Materials, APM 2017, February, 2017, Bengaluru, India.
20. H. Kadam, S. Bandyopadhyay–Ghosh and S. B. Ghosh, "Efficient Integration of Nanoclays and Additives in Renewable Polyol towards Development of Cellullar Bio-nanocomposites", 8th International Conference on Advancements in Polymeric Materials, APM 2017, February, 2017, Bengaluru, India.
21. S. B. Ghosh, "From Waste to a Sustainable Nanomaterial-Nature Knows It All!", Faculty Development Program on "Frontiers in Advanced Materials, Manufacturing and Sustainability", FAMMS – 2016, July, 2016, Jaipur, India, [Invited Speaker].

- **Journal Publications:**

1. Neha Arora and N N Sharma, Sustained arc temperature : better marker for pase transformation of carbon black to multiwalled carbon nanotubes in arc discharge method, October 2016, Material Research Express Vol 3, 2016, IOP Publishing Ltd.
2. Vijay Kumar, Ajaypal Singh Dhillon and Niti Nipun Sharma, Surface Modification of Textured Dielectrics and their wetting Behavior, Jan 2017, Journal of Material Engineering and Performance, ASME International 1059-9495/S 1900.
3. Paridhi Puri, Vijay Kumar, M Anantasubramanian and NN Sharma, Design, Simulation and fabrication of MEMS based dielectrophoretic separator for bio particles, October 2016, Microsysz Technol Springer.
4. Dharmendra Tripathi, Ravinder Jhorar, O. Anwar Bég and Abhishek Tiwari, Computer Modelling of Electroosmotically Augmented Three-Layered Microvascular Peristaltic Blood Flow, Microvascular Research, (2017) In Press.
5. M.K. Nayak, Noreen Sher Akbar, Dharmendra Tripathi, Z. H. Khan, and V.S. Pandey, MHD 3D free convective flow of nanofluid over an exponentially stretching sheet with chemical reaction, Advanced Powder Technology, (2017) In Press.
6. M.K. Nayak, Noreen Sher Akbar, Dharmendra Tripathi, and V.S. Pandey, Three-dimensional MHD flow of nanofluid over an exponential porous stretching sheet with convective boundary conditions, Thermal Science and Engineering Progress, (2017), In Press.
7. Vimal Kumar Joshi, Paras Ram, Dharmendra Tripathi and Kushal Sharma, Numerical Investigation of Magnetic Nanofluids Flow over Rotating Disk Embedded in a Porous Medium, Thermal Science, (2017) Accepted.
8. Dharmendra Tripathi, Shashi Bhushan and O. Anwar Bég, Unsteady Viscous Flow Driven by the Combined Effects of Peristalsis and Electro-osmosis, Alexandria Engineering Journal, (2017) Accepted.
9. Noreen Sher Akbar, Dharmendra Tripathi, and O. Anwar Bég, Variable-Viscosity Thermal Hemodynamic Slip Flow Conveying Nanoparticles through a Permeable-Walled Composite Stenosed Artery, The European Physical Journal Plus, (2017) Accepted.
10. Noreen Sher Akbar, Adil Wahid Butt, and Dharmendra Tripathi, Nanoparticle Shapes Effects on Unsteady Physiological Transport of Nanofluids through a Finite Length Non-Uniform Channel, Results in Physics, Accepted (2017).

11. Noreen Sher Akbar, Adil Wahid Butt, and Dharmendra Tripathi, Biomechanically driven unsteady non-uniform flow of Copper water and Silver water nanofluids through finite length channel, Computer Methods and Programs in Biomedicine, 146 (2017) 1–9.
12. Vimal Kumar Joshi, Paras Ram, Ravi Kumar Sharma and Dharmendra Tripathi, Porosity Effect on Boundary Layer Bodewadt Flow of Magnetic nanofluid in presence of Geothermal Viscosity, The European Physical Journal Plus, (2017) Accepted.
13. Dharmendra Tripathi, Ravinder Jhorar, O. Anwar Bég and A. Kadir, Electro-Magneto-Hydrodynamic Peristaltic Pumping of Couple Stress Biofluids through a Complex Wavy Micro-Channel, Journal of Molecular Liquids, 236 (2017) 358–367.
14. Dharmendra Tripathi, Ashish Sharma and O. Anwar Bég, Electrothermal Transport of Nanofluids Via Peristaltic Pumping in A Finite Micro-Channel: Effects of Joule Heating And Helmholtz-Smoluchowski Velocity, International Journal of Heat and Mass Transfer, 111 (2017) 138–149.
15. M.K. Nayak, Noreen Sher Akbar, V.S. Pandey, Z. H. Khan, Dharmendra Tripathi, 3D free convective MHD flow of nanofluid over permeable linear stretching sheet with thermal radiation, Powder Technology, 315 (2017) 205–215.
16. Dharmendra Tripathi, Ashish Sharma and O. Anwar Bég, and Abhishek Tiwari, Electrothermal Transport in Biological Systems: An Analytical Approach for Electrokinetically-Modulated Peristaltic Flow, Journal of Thermal Science and Engineering Applications, ASME (2017) Accepted.
17. Noreen Sher Akbar, Dharmendra Tripathi, Zafar Hayat Khan, O. Anwar Bég, Mathematical model for ciliary-induced transport in MHD flow of Cu-H2O nanofluids with magnetic induction, Chinese Journal of Physics, (2017) Accepted.
18. Dharmendra Tripathi, Ashu Yadav and O. Anwar Bég, Electro-osmotic Flow of Couple Stress Fluids in a Microchannel Propagated by Peristalsis, The European Physical Journal Plus, (2017) Accepted.
19. Dharmendra Tripathi, Ashu Yadav and O. Anwar Bég, Electro-Kinetically Driven Peristaltic Transport of Viscoelastic Physiological Fluids through A Finite Length Capillary: Mathematical Modelling, Mathematical Biosciences, 283 (2017)155–168.
20. Noreen Sher Akbar, Syed Ali Abid, Dharmendra Tripathi and Nazir Ahmed Mir, Nanostructures study of CNT nanofluids transport with temperature-dependent variable viscosity in a muscular tube, Eur. Phys. J. Plus (2017) 132: 110.
21. Mithilesh K Dikshit, Asit B Puri, Atanu Maity, "Modelling and application of response surface optimization to optimize cutting parameters for minimizing cutting forces and surface roughness in high-speed, ball-end milling of Al2014-T6", Journal of the Brazilian Society of Mechanical Sciences and Engineering, July 2017, pp 1-11.
22. Vinod Singh Yadav, Dilip Sharma, S L Soni, "studies on Hydrogen Fuelled Stationary C. I. Engine Operated End-utility System" International Journal of Renewable Energy Technology, IJRET-171036. (Accepted & in Press)
23. Ashish Goyal, Anand Pandey and Pooja Sharma Machinability of Inconel 625 aerospace material using cryogenically treated WEDM. Solid State Phenomena. Vol. 266, pp 38-42.
24. Ashish Goyal, Investigation of Material removal rate and Surface roughness during WEDM machining of Inconel 625 super alloy by cryogenic treated tool electrode, Journal of King Saud University- Science, Elsevier.http://dx.doi.org/10.1016/j.jksus.2017.06.005. (in press)
25. Ashish Goyal and Anand Pandey, Optimization of material removal rate in wire edm by doe approach for super alloy. International Journal on Design & Manufacturing Technologies. Vol.11 No.1 January 2017, ISSN NO: 0973-9106.
26. Ashish Goyal, Anand Pandey and Pooja Sharma, An experimental study of aerospace material during fabrication of v groove using WEPM, International Journal of Mechanical and Production Engineering Research and Development, Vol. 7, Issue 3, pp 249-258.
27. Dharmendra Tripathi, Shashi Bhushan and O. Anwar Bég, Transverse Magnetic Field Driven Modification in Unsteady Peristaltic Transport with Electrical Double Layer Effects, , Colloids and Surfaces A: Physicochem. Eng. Aspects 506 (2016) 32–39.
28. Aditya Bandopadhyay, Dharmendra Tripathi and Suman Chakraborty, Electroosmosis-modulated peristaltic transport in microfluidic channels, Physics of Fluids 28 (2016) 052002.
29. Noreen Sher Akbar, D. Tripathi, and O. Anwar Bég, MHD convective heat transfer of Nano fluids through

a flexible tube with buoyancy: A study of Nano-particle shape effects, Advanced Powder Technology, (2016) In Press.
30. Noreen Sher Akbar, D. Tripathi, O. Anwar Bég and Z.H. Khan, MHD Dissipative Flow and Heat Transfer of Casson Fluids due to Metachronal Wave Propulsion of Beating Cilia with Thermal and Velocity Slip Effects under an Oblique Magnetic Field, Acta Astronautica,128 (2016) 1–12
31. V. Joshi, P. Ram, R. K. Sharma. D. Tripathi, "Porosity effect on the boundary layer Bodewadt flow of a magnetic nanofluid in the presence of geothermal viscosity", The European Physics Journal Plus, Vol 132, 2017, PP1-10
32. Pradeep K Gupta, Dilip Sharma, S.L.Soni, Rahul Goyal, Dheeraj Johar, 'Experimental investigation of impact of diesel particulate filter on smoke and NOx emissions of a Euro-I compression ignition engine with active and off-board regeneration', Clean Technologies and Environmental Policy, April 2017, Volume 19, Issue 3, pp 883–895. (Springer, SCI, IF 1.934)
33. Dheeraj Kishor Johar, Dilip Sharma, S.L.Soni, Pradeep K Gupta, Rahul Goyal, 'Experimental investigation and exergy analysis on thermal storage integrated micro-cogeneration system', Energy Conversion and Management, January 2017, Volume 131, pp 127–134. (Elsevier, SCI, IF 4.801)
34. Pradeep Kumar Gupta, Dilip Sharma, Shyam Lal Soni, Rahul Goyal, Dheeraj Kishor Johar, 'Experimental investigation and optimization of Exhaust Gas Recirculation on a Euro-1 variable speed C.I. engine', Environmental Progress & Sustainable Energy, (Wiley, SCI, IF 1.631)
35. Rahul Khatri and Anant Joshi, "Energy Performance Comparison of Inverter based Variable Refrigerant Flow Unitary AC with Constant Volume Unitary AC", Energy Procedia, Elsevier, Volume 109, March 2017, Pages 18–26
36. Rahul Khatri, Abhay Pratap Singh and Vaibhav Rai Khare, "Identification of Ideal Air Temperature Distribution using different location for Air Conditioner in a room integrated with EATHE – A CFD based approach", Energy Procedia, Elsevier Volume 109, March 2017, Pages 11-17
37. Rahul Khatri, Vaibhav Rai Khare, Abhay Pratap Singh, Hemant Kumar, "Modelling and Performance Enhancement of Single Slope Solar Still using CFD", Energy Procedia, Elsevier Volume 109, March 2017, Pages 447-455
38. S. S. Ghosh, Someshwar Hazra, "An Approximate Closed Form Method to Evaluate Second and Third Mode Frequency and Response of Cracked Simply Supported Beam", Bulletin of Science and Technology (ISSN: 0974 7176), Vol. 8, Issue 1, 2017, pp. 1-7.
39. S. Bandyopadhyay-Ghosh, S. B. Ghosh, A. Rodriguez, M. Sain, "Biosynthesis, Microstructural Characterisations and Investigation of In-Vitro Mutagenic and Eco-Toxicological Response of a Novel Microbial Exopolysaccharide Based Biopolymer", Journal of Polymers and the Environment, DOI 10.1007/s10924-016-0925-x, February, 2017.
40. S. H. Bhosale, M. C. Rangasai, V. V. Singh, S. Bandyopadhyay-Ghosh and S. B. Ghosh, "Integration of Biobased Functionalized Feedstock and Plastisol in Epoxy Resin Matrix towards Developing Structural Jute Biocomposites with Enhanced Impact Strength and Moisture Resistance Properties", Polymer Composites, 37 (2), 2016, 391-397.
41. S. Bandyopadhyay-Ghosh, S. B. Ghosh, A. Rodriguez, M. Sain, "Biosynthesis, Microstructural Characterisations and Investigation of In-Vitro Mutagenic and Eco-Toxicological Response of a Novel Microbial Exopolysaccharide Based Biopolymer", Journal of Polymers and the Environment, DOI 10.1007/s10924-016-0925-x, February, 2017.
42. S. H. Bhosale, M. C. Rangasai, V. V. Singh, S. Bandyopadhyay-Ghosh, and S. B. Ghosh "Integration of biobased functionalized feedstock and plastisol in epoxy resin matrix towards developing structural jute biocomposites with enhanced impact strength and moisture resistance properties", Polymer Composites, 37 (2), 2016, 391-397.
43. Ajay Johnson, Ashok Kumar Sharma, Setup time reduction of machines in various manufacturing industries using SMED techniques: A case study, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) - SCOPUS INDEXED, 2017.
44. Ajay Johnson, Ashok Kumar Sharma, Manufacturing lead time reduction in a scaffold making industry using lean manufacturing techniques: A case study, International Journal of Mechanical Engineering & Technology (IJMET), 2017.

Department of Mechatronics Engineering

The Department of Mechatronics Engineering was established in the year 2012, offering B.Tech degree with an intake of 120. In the academic year 2013-14 Ph.D. program was added in the department. The objective is to impart state of art knowledge in designing, prototyping and interfacing. The focus is to prepare students for project management, analyzing & practical problem solving and also to undertake focused research in the field of automation & controls.

Mechatronics is the synergic combination of mechanical, electrical, electronics, computer science and information technology. It includes control systems used to design products with built-in intelligence. Mechatronics engineering course blends the pertinent aspects of mechatronics system modeling, sensors, actuators, controllers and real-time computer interfacing. In short, "Mechatronic Engineering is the engineering discipline concerned with the research, design, implementation and maintenance of intelligent engineered products and processes enabled by the integration of mechanical, electronic, computer, and software engineering technologies".

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr. Ajay Kumar	Professor	Nano Electronics
2.	Dr. Ram Dayal	Associate Professor & HoD	Thermal Sciences, CFD
3.	Dr. K.K.M Pandey	Associate Professor	Nanoelectroncis
4.	Mr. Manish Rawat	Assistant Professor	Production
5.	Mr. Varun Jurwal	Assistant Professor	Manufacturing, Industrial Engineering
6.	Mr. Prabhat Ranjan	Assistant Professor	Density Functional Theory, Computational Nanomaterials
7.	Mr. Hemant Kumar	Assistant Professor	Energy Engineering, Alternatives Fuels
8.	Mr. Kumar Gaurav	Assistant Professor	Water Quality, Chemometrics
9.	Mr. Ashok Kumawat	Assistant Professor	Control & Instrumentation
10.	Mr. Anil Sharma	Assistant Professor	Mechatronics, MEMS
11.	Mr. Mohit Jain	Assistant Professor	Hydropower Plant, Fluid Mechanics, IC Engine
12.	Ms. Princy Randhawa	Assistant Professor	Control Systems , Instrumentation, Modeling Simulation
13.	Mr. O.P Gujela	Assistant Professor	Robotics
14.	Mr. Nikhil Shrivas	Assistant Professor	Autotronics, Mechatronics
15.	Ms. Surbhi Gupta	Assistant Professor	Robotics

Visitors to the Dept/invited lectures:

S No.	Dates	Invited Lectures	Topic of Lecture
1.	30th September 2016	Mr. Ritesh Kumar, Scientist CSIR, Chandigarh	Artificial Intelligence
2.	01st October 2016	Prof. K.Gopinath, IISC Bangalore	Artificial Intelligence
3.	06th October 2016	S.N Joshi, Emeritus Scientist, CEERI, Pilani.	Inauguration of Mechatronics Students Chapter and also lecture given on Microwave tubes.

Departmental /Students Activities

1. The IEI Mechatronics Students' Chapter organized a seminar to elucidate the In-campus Training Programme on IOT using Raspberry pi with Python, Linux and networking on 12th of January, 2017.The seminar, conducted by TechieNestPvt Ltd in association with nVision, IIT-Hyderabad, was attended by 80 enthusiastic students eager to learn about the
2. A 3 stage event conducted by IEI Mechatronics in the Annual Technical Festival of Manipal University Jaipur 2017 .The event involved a maze that had to be crossed in the least possible time. The second stage was a Tic-Tac-Toe game that had to be played using the bots.

Students Achievements

1. Four students got selected for higher studies in TUHAMBURG Germany, Netherlands University of Twente, TU-Delft Netherlands, and University of Melbourne.
2. Paper of two B.Tech student's Mr. Ayush jain and Ganesh Raounder the guidance of Dr. Manish Rawat has been accepted for presentation at the 2017 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2017) which is going to take place from 10 -13 December at Suntec Singapore. The paper is titled as "Memetic Algorithm to optimise the level of Repair and Spare Parts for Fleet System".
3. Two 3rd year Mechatronics students have completed their two months internship from France and Italy in the field of optical digital circuits.

Papers Published/Conferences/Journal/Books

1. Ranjan, P., Chakraborty, T., & Kumar, A. Computational Investigation of Cationic, Anionic and Neutral Ag2AuN (N= 1–7) Nanoalloy Clusters. Physical Sciences Reviews, 2(10).
2. Gupta, S., & Kumar, A. (2017). A brief review of dynamics and control of underactuated biped robots. Advanced Robotics, 1-17.
3. Dayal, R., & Gambaryan-Roisman, T. (2017). Heat transfer in granular medium for application to selective laser melting: A numerical study. International Journal of Thermal Sciences, 113, 38-50.
4. Rawat, M., & Lad, B. K. (2017). An Integrated Strategy for Fleet Maintenance Planning. Journal of Quality in Maintenance Engineering, 23(4), 458-478.
5. Ranjan, P., Chakraborty, T., & Kumar, A. Computational Investigation of Cationic, Anionic and Neutral Ag2AuN (N= 1–7) Nanoalloy Clusters. Physical Sciences Reviews, 2(10).
6. Ranjan, P., Kumar, A., & Chakraborty, T. (2016, April). Computational study of AuSin (n= 1-9) nanoalloy clusters invoking DFT based descriptors. In AIP Conference Proceedings (Vol. 1724, No. 1, p. 020072). AIP Publishing.
7. Randhawa, P. (2017, April). Designing and implementation of an optimized pid controller for longitudinal autopilot.Advance Research Journal of Multi-Disciplinary Discoveries , ISSN CODE: 2456-104 , Volume : 11.0
8. Rawat, M., & Lad, B. K. (2016). Simultaneous selection of reliability design and level of repair for fleet systems. International Journal of System Assurance Engineering and Management, 7(2), 138-155.
9. Ranjan, P., Kumar, A., & Chakraborty, T. (2016). Theoretical analysis: Electronic and optical properties of gold-silicon nanoalloy clusters. Materials Today: Proceedings, 3(6), 1563-1568.
10. Dayal, R., & Gambaryan-Roisman, T. (2016). A novel numerical method for radiation exchange in granular medium. Heat and Mass Transfer, 52(11), 2587-2591.
11. Ranjan, P., Kumar, A., & Chakraborty, T. (2016). Theoretical analysis: Electronic and optical properties of gold-silicon nanoalloy clusters. Materials Today: Proceedings, 3(6), 1563-1568.
12. Dhail, S., Ranjan, P., & Chakraborty, T. (2016). Correlation of the Experimental and Theoretical Study of some Novel 2-Phenazinamine Derivatives in terms of DFT-Based Descriptors. In Crystallizing Ideas–The Role of Chemistry (pp. 97-111). Springer International Publishing.
13. B.P Singh, Ranjan, P., Kumar, Basic Electronics, New Age International, ISBN (13)- 9789385923777.

New Lab Development

The Sensoric Lab has been established in the collaboration with Bosch Rexroth Germany

R&D Activities: The research scholars are pursuing research on various topics mentioned as follows:

Sr. No.	Name	Topic	Supervisors Name
1.	Mr. Varun Jurwall	Investigation of Nano Pattern of Textiles	Ass. Prof Anand Pandey
2.	Mr. Prabhat Ranjan	Computational study of Bi-metallic nano engineering materials involving DFT based descriptors	Dr. Tanmoy Chakraborty
3.	Mr. Kumar Gaurav	Odour Source Localisation	Dr. Ajay Kumar
4.	Mrs. Princy Randhawa	Development of algorithm for assault pattern detection in Reactive Smart Jackets with Early Warning and Forensic Data Collection	Dr. Ajay Kumar
5.	Mr. Nikhil Shrivas	Biofluidics	Dr. Ram Dayal
6.	Mr. Ashok Kumawat	Cyber Physial System	Dr. Renu Kumawat
7.	Mr. Anil Sharma	MEMS	Dr. NN Sharma









School of Civil and Chemical Engineering



The School of Civil & Chemical Engineering (SCCE) is instituted with a well-defined vision of achieving international repute in education, training and research in the core and allied fields of Civil & Chemical Engineering. The school offers basic and advanced training programs to its students and exposes them to related research in contemporary and futuristic technologies, by way of continual improvement and consistent innovation in material and intellectual infrastructure.

Department of Civil Engineering

The Department of Civil Engineering was established in 2011 under the headship of Dr. Susan Rego. It is aimed to provide quality education and hence to empower students to handle any position in civil engineering industries, to entrepreneurship and also research in allied areas.

The department is currently headed by Prof Anil Dutt Vyas, who has experience in working with national and international consultancies. Presently, there are 25 qualified teaching faculty and six non-teaching faculty in the department who are equipped with an appreciable industrial and research expertise.

Programmes Offered:

The department offers Bachelor's program in Civil Engineering and Master's course in Structural Engineering and Construction Technology. In addition, the department offers PhD program under the supervision of experienced faculty members.

Research and Development:

- Three consultancy projects are being run by Prof Anil Dutt Vyas
- There are four Ph. D. students, registered under the faculty members of the department.
- Guidance of the faculty members to students of third and final year B. Tech. to carry out student research projects
- Procurement of new instruments to the laboratories as per the requirements of scientific research



Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Mr A D Vyas	Associate Professor & HoD	Environmental Engineering
2.	Prof M K Mittal	Visiting Professor	Hydraulics
3.	Prof Raj Kishore Pareek	Professor	Project Management
4.	Dr Rajesh Mathur	Professor	Civil
5.	Dr. Iqraz Nabi Khan	Professor	Soil Mechanics
6.	Dr. Rakesh Chandra Gaur	Professor	Environmental Engg.
7.	Prof K J Sharma	Associate Professor	Project Management
8.	Dr Nitin Goyal	Associate Professor	Transportation Engineering
9.	Dr Meena K. Sharma	Associate Professor	Environmental Engineering
10.	Dr Monika Sogani	Associate Professor	Environmental Science
11.	Dr Gaurav Sancheti	Associate Professor	Environmental Science
12.	Dr. Arvind Kumar Jha	Associate Professor	Artificial Intelligence
13.	Dr Bhavna Tripathi	Associate Professor	Geotechnical Engg.
14.	Dr Prabhas Kumar Yadav	Associate Professor	Concrete and Transportation Engg.
15.	Dr. Harshavardhana B. G.	Assistant Professor	Water Resource Engg.
16.	Dr. Priyansha Mehra	Assistant Professor	Marine Geology
17.	Mr. Vikram S. Kasyap	Assistant Professor	Concrete Technology
18.	Mr. Firoz Alam Faroque	Assistant Professor	Structural Engg.
19.	Mr. Alok Damare	Assistant Professor	Structural Engg.
20.	Mr. Sourav Kumar Das	Assistant Professor	Structural Engg.
21.	Mr. Rishikesh Kumar	Assistant Professor	Structural Engg.
22.	Mr. Raghuvesh Tiwari	Assistant Professor	Structural Engg.
23.	Mr. Sanchit Anand	Assistant Professor	Structural Engg.
24.	Mr. Sagar Gupta	Assistant Professor	Transportation Engg.
25.	Mrs. Meghna Sharma	Assistant Professor	Traffic & Transportation Engg.
26.	Mr. Kamal Kumar	Assistant Professor	Geotechnical Engg.
27.	Mr. Rudhra Halder	Assistant Professor	Structural Engg.

VISITS OF RESOURCE PERSONS

Mr Praveen Jain, Chairman of IEI Rajasthan, had session with students, spoke on Role of Engineers in Smart Cities.

Dr Vivek Agarwal, Director, Centre for Development Communication (CDC)

Dr K E Seetharam, Senior Asian Development Bank official, based in Manila, Philippines.

Mr Shinichi Nabasakhi, Director, ADB Institute, Tokyo.
Main focus of discussion was not limited to;
1. Housing policy for inclusive growth in Asia
2. Urbanisation in Asia
3. Financial inclusion, Regulations & Education
4. Economic growth in Asia
10-02-2017

Mr J K Kapoor, Director Smart Cities Jabalpur and Senior official, MoUD, New Delhi.



12-01-2017
Dr Ronald Harichandran
Dean of the Tagliatela College of Engineering at the University of New Haven, West Haven, CT.

Dr Harichandran Professor and Chairperson of the Department of Civil and Environmental Engineering at Michigan State University (MSU).

Prof Sam Harsh
Marshall University
United States of America
Prof Harsh was a Resource Person for the SHORT COURSE



VISITS OF ACADEMICIANS FROM OTHER INSTITUTIONS

Workshop/conference/symposia/seminar Attended:

- Dr Nitin Goyal presented a paper on Dispersion Modelling of Air Pollutants of Coal Based Thermal Power Station in an International Conference on Advances in Chemical, Biological and Environmental Engineering (ACBEE-17), Singapore, March 27-30, 2017.
- Dr Nitin Goyal gave a presentation on Input Output Mass Balance of Trace Elemental Species at a Typical Indian Coal Fired Power Plant in the National conference on Urban Environmental Management in India: Problems and Prospects, MNIT Jaipur, February 13-14, 2017.
- Prof Iqraz Nabi Khan presented his works on A Study on Bamboo Strip-Reinforced Earth Wall in the International Symposium on Bamboo in the Urban Environment, Bogor Agricultural University, Bogor, Indonesia during March 7-9, 2017.
- Dr.Gaurav Sancheti Attended a Workshop on Deep learning in IIT Kanpur, January 12-16, 2017.
- Dr.Gaurav Sancheti participated a symposium on Bamboo in urban environment, Indonesia, 07-09 March 2017
- Dr Harshavardhana B G participated in an International workshop on Sun and Solar Systems during the 35th meeting of Astronomical Society of India, Birla Auditorium, Jaipur, Rajasthan, 6 to 10 March, 2017.

Invited Talk

- Dr Nitin Goyal gave talk on Air Quality in 10 Cities of Maharashtra in the workshop organized by CSIR-NEERI, MPCB and IIT Bombay, NEERI, Nagpur, April 2017.
- Dr Harshavardhana B G spoke on Understanding Palaeoclimate: An Environmental Magnetic Approach in the Department of Geology, University of Rajasthan, on March 09, 2017.
- Dr Gaurav Sancheti was invited to talk on Pre-stressed Concrete in Jaipur Engineering College organized by Jaipur Engineering College on October 06, 2016.

Guest Lecture:

- Resource Person Mr Rubinder Singh gave a lecture on Understanding public and private partnership on September 13, 2016.
- Resource Person Prof Praveen Chaudhary discussed with B Tech students about Structural Engineering on January 25, 2017.

Special Grant:

- On January 13, 2017, Dr Priyansha Mehra has received an approval from the Science and Engineering Research Board (SERB) for the award of National Post-Doctoral fellowship for two years.
- Dr. Monika Sogani has obtained Schlumberger Foundation's Faculty for the Future Grant (US $ 40,000 per annum) for Post Doc Research at University of Cambridge, UK, for 2017-18. She would be working on Industrial wastewater treatment using Microbial fuel Cell Technology targeting toxic micro pollutants and bioactive chemicals.

International Publication:

- Gupta, R. C., Mehra, P. and Thomas, B. S. (2016). Utilization of copper tailing in developing sustainable and durable concrete, Journal of Materials in Civil Engineering, v. 29, Issue 5, 1-7 pp.

Faculty who received Ph D Award:

- Dr. Meena K Sharma for her work on Integrated

Settler and Anaerobic Filter Based Onsite Sewage Treatment Systems from Indian Institute of Technology (IIT), Roorkee.

- Dr. Gaurav Sancheti for his work on Artificial Intelligence from Malaviya National Institute of Technology (MNIT), Jaipur.
- Dr. Priyansha Mehra for her work on Use of Jarosite as part replacement of fine aggregates in Concrete and Its effect on Durability from Malaviya National Institute of Technology (MNIT), Jaipur.

Other Awards / Achievements

- Dr. Nitin Goyal, Secured Associate Membership of American Society of Civil Engineers (ASCE), USA.

Received invitation from IIT Kanpur to participate in a consultancy project worth INR 1.1 crore with a fair share for MUJ. Project grant has been released to IITK. Agreement with MUJ was signed in April 2017.

Received invitation from IIT Bombay to participate in a consultancy project worth INR 5.0 Crore with a fair share for MUJ. Project grant has been released to IITB. Agreement with MUJ was signed in April 2017.

Newly Procured Instrument For Laboratory:

Sl No	Instrument	Laboratory name
1	ANVIC CRM AUTO C Electrical Resistivity Meter	Geology
2	GARMIN GPS	
3	Brunton Compass Clinometer	

Summer Courses & Training Programmes

Dr Bhavna Tripati, Summer course titled "Advances in Concrete Technology" from June 1-21, 2017

Dr Priyansha Mehra, Four weeks online course the field of Concrete Technology on “Cement Chemistry and Sustainable Cementitious Materials”

Dr Gaurav Sancheti, Training to PHED Engineers Invited by MNIT Jaipur at Hotel Nangi's Pride on 29.01.2017 Applied for SERB Indo-US Post- Doctoral Fellowship and obtained consent from the US host Projected MUJ at International for setting up of ISO certified bamboo testing unit at MUJ and Invited for MoU by lead institute in China (INBAR)

Dr Nitin Goyal, Industry Training Project on Air Dispersion Modelling for PDCOR Ltd, Jaipur for 10 industry participants in Feb 2017 Two days training classes on Modelling of Air Pollutants at PDCOR, Jaipur during Feb 24-25, 2017 for a consulting amount of INR 40,000/-

Special Events

Dr Meena Kumari & Ms Meghna Sharma

Conducted under the banner of Rotaract Green Club.

Cleanliness Awareness Drive, Wall Painting and Old Book & Cloth Donation Drive



Department of Chemical Engineering

The Department of Chemical Engineering was established in 2014 shortly after the University was founded. It was started by a team of three highly qualified faculty members with industrial and research expertise across the globe. Our inspirational and motivated faculty environment facilitates the growth of our students in terms of being responsible and innovative personalities.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof. Raj Sharma	Professor (Emeritus)	Oil and Gas, Simulation and optimization, Process design, Operation research
2.	Prof. Vishnu Pareek	Professor (Adjunct)	Process Simulation and Design, Multi-phase CFD modelling, LNG Regasification, Subsea Operation
3.	Dr. Abhishek Sharma	Associate Professor & Head	Process Design and Development, Multi-scale modelling, Oil and Gas, Renewable Energy
4.	Dr. Anand Chakinala	Associate Professor	Biofuels, Oxo process technology, Industrial waste/produced water treatment, Thermochemical conversion of biomass, Catalysis
5.	Dr. Manisha Sharma	Assistant Professor	Modeling and Simulation, Water/ wastewater treatment, Reactive adsorption, Separation processes, Reaction engineering
6.	Dr. Subhajit Majumder	Assistant Professor	Bio-based Pollutant Removal Techniques, Environmental Biotechnology, Process Design, Modeling and Simulation
7.	Mrs. Nandana Chakinala	Assistant Professor	Residue gasification, Liquid-solid binary mixture fluidization, process operations
8.	Dr. Gaurav Bhaduri	Assistant Professor	Carbon capture and storage, nanomaterials, plasmonics, heterogeneous catalysis, photo-catalysis, drug delivery, separation technology, teaching and learning in higher education
9.	Dr. Mohd. Oayes Midda	Assistant Professor	Thin film polymeric nanocomposite membranes, membrane based industrial gas separation, nanomaterial, membrane bioreactors, multicomponent adsorption.
10.	Dr. Anees Ahmed Y. Khan	Assistant Professor	Colloids and nanomaterials, sensors, adsorption, meso and macroporous materials, catalysis

Academics Programs

The department offers Bachelors program in Chemical Engineering (Intake: 60 students per academic year) with a flexibility to select any of two minor streams:

1. Petroleum Engineering
2. Energy and Environment

The academic program is designed in such a way that the students are free to choose electives over a wide range of courses including humanities and basic sciences for their overall personality development. Students are continuously evaluated based on assignments and unannounced quizzes which allows them to have strong fundamental background as well as allows them to prepare for competitive exams.

To encourage research, the department also offers a PhD programme in Chemical Engineering.

Research and Academic collaboration

CSIR IIP and MUJ MoU: An MoU was signed with CSIR Indian Institute of Petroleum (IIP) Dehradun for research and academic purpose.

BEIL, SRICT, MVP, and MUJ MoU

An MoU was signed with Bharuch Enviro Infrastructure Limited (BEIL), Shroff S. R. Rotary Institute of Chemical Technology (SRICT) and Marathi Vidnyan Parishad (MVP) for collaborative research.

Facilities

Transport Phenomena I, II, and III, Chemical Reaction Engineering, Process Dynamics and Control, Modeling and Simulation (Ansys/ Aspen/ MATLAB/ Open Foam etc.)

Research Projects/ Grants/ Consultancies

1. Research Consultancy project on Conversion of municipal solid waste to fuel and other value added products for INR 46.62 Lakhs from Bharuch Enviro Infrastructure Limited (BEIL), Gujarat, India awarded to Dr. Abhishek Sharma.
2. Research project on Australia-India Strategic Research Fund to develop integrated technologies for sustainable bio-based energy production for INR 7.5 Lakhs from Curtin University, Australia awarded to Dr. Abhishek Sharma.

Workshop Organized

A Workshop on Engineering Applications of Numerical Methods was organized on January 28, 2017. In which speakers from various reputed institutes (IIT, NIT, and BITS Pilani) were invited.

Invited Lecture(s)

Dr. Siddhartha Mukherjee, Director Technology, Air Liquide Global E&C Solutions India Pvt Ltd. delivered an invited talk on The Role of a Chemical Engineer in the Process Industry on November 5, 2016.

Industrial Visit(s)

A visit to Akshaypatra's Kitchen was organized for Chemical Engineering students on October 1, 2016. Industrial visit to Union Carbide Corporation, Bhopal was organized for B. Tech. (Chemical Engineering III year students) on March 25, 2017.

Journal Publications

1. Majumder, S., Raghuvanshi, S., Gupta, S., "Sequestration of Zn2+ from aqueous solution using Klebsiella pneumoniae: Batch kinetics and continuous studies", 2016, Journal of Water Process Engineering, 12, 89-104.
2. Majumder, S., Raghuvanshi, S., Gupta, S., "Application of a hybrid biofilter column for the removal of Cr (VI) from aqueous solution using an indigenous bacterial strain Pseudomonas taiwanensis", 2016, Bioremediation Journal, 20 (1), 10-23.
3. Uslu, H., Majumder, S., "Adsorption Studies of Lactic Acid by Polymeric Adsorbent Amberlite XAD-7: Equilibrium and Kinetics", 2017, J. Chem. Eng. Data, 62 (4), 1501 – 1506
4. Astuti, Y., Pardoyo, A., Fauziyah, A., Nurhayati, S., Wulansari, A.D., Andianingrum, R., Bhaduri, G.A., "Studying impact of different precipitating agents on morphological and photocatalytic activity of bismuth oxide", 2017, Bulletin of Chemical Reaction Engineering & Catalysis (Accepted).
5. Bhaduri, G.A., Muzaffar, B., Alamiry, M.A.H., Yuan, J., Shangguan, W., Šiller, L., "Photochemical enhancement in catalytic activity of nickel nanoparticles for hydration of CO2", 2016, Chemistry Select, 1 (10), 2091-2095.
6. Midda, M. O., Suresh, A. K. "Some mechanistic insights into the action of facilitating agents on gas permeation through glassy polymeric membranes", 2017, AIChE (Accepted).

Conferences Publications

1. Midda, M. O., Jampa, S. S. K., Suresh, A. K. "Pure and mixed gas transport of permanent gas mixtures through polysulfone membrane", 22nd International Congress of Chemical and Process Engineering (CHISA 2016), Prague, Czech Republic (27/08/2016 – 31/08/2016)
2. Bhaduri, G. A. "Research Based Teaching and Learning in Higher Education: A new Approach for the Indian Scenario", 1st Faculty Conclave, Manipal University Jaipur (18/07/2017)













School of Computing & Information Technology

The School of Computing and Information Technology (SCIT) offers three undergraduate programmes, viz., Computer Science & Engineering, Information Technology and Computer and Communication Engineering. All the above Bachelor of Technology programs enable a student to get expertise in all areas related to Computing, Information Technology and Electronics & Communication, with focus on Theoretical computer science, Software engineering, High performance computing, Networking and Mobile communication & computing and covering the latest technologies in cloud computing and big data analytics. The program also includes the latest tools and technologies with certification for real life application development.

Department of Computer Science & Engineering

Computer Science and Engineering (CSE) department caters to the requirements of the students in almost all the engineering and other non-engineering disciplines of the University. The department aims to become a centre of excellence in providing in-depth technical knowledge and opportunities for innovation and research with state-of-art computer facilities.

The aim of the department is to produce versatile students making them ready to be employed in industry / Government Sector/Higher Education/Research & Development/Entrepreneurship from the day one and capable of cross disciplinary collaboration.

Department of CSE strives for stronger partnerships with industry, the research community, and other educational institutions.

Academic Program with intake

1. B. Tech. (Computer Science and Engineering) 240 students per year
2. M.Tech. (Computer Science and Engineering) 20 students per year
3. Ph. D. (Computer Science and Engineering) 15 students per year

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr. Rajveer Singh Shekhawat	Professor, Director	Embedded Systems, Computer Organization, Real Time Systems
2.	Dr. S C Kulhari	Professor & HOD	Advanced Computer Arch., Automata Theory
3.	Dr. U. S. Rawat	Professor	Information System & Security
4.	Dr. Roheet Bhatnagar	Professor	Software Engineering, Databases, Big Data Analytics
5.	Dr. Sandeep Joshi	Professor	Network & Security
6.	Dr. Chhattar Singh Lamba	Professor	Software Engineering, Network Security
7.	Dr. Pankaj Vyas	Associate Professor	Software Reliability, Testing
8.	Dr. Neha Chuadhary	Associate Professor	Software Engineering, Testing
9.	Dr. Sandeep Chaurasia	Associate Professor	Supervised Machine Learning
10.	Dr. Jyoti Grover	Associate Professor	VANET Security
11.	Dr. Prakash Ramani	Associate Professor	Machine Learning
12.	Dr. Sunita Singhal	Associate Professor	Distributed Computing, Soft Computing
13.	Dr. Pooja Sharma	Associate Professor	Fluid Dynamics, Heat Transfer, Mass Transfer
14.	Mr.Vivek Singh Sikarwar	Assistant Professor	Artificial Intelligence Robotics
15.	Mr. Jayakrishna R	Assistant Professor	High Performance Computing
16.	Mr. Tarun Jain	Assistant Professor	Sentiment Analysis
17.	Mr. Satyabrata Roy	Assistant Professor	Cryptography
18.	Mr. Rishi Gupta	Assistant Professor	Image Processing
19.	Mr. Nitesh Pradhan	Assistant Professor	Data Mining, Information Retrieval
20.	Mr. Saket Acharya	Assistant Professor	Information Security

21.	Mr. Ashish Dadhich	Assistant Professor	Data Mining
22.	Ms. Anubha Parashar	Assistant Professor	Robotics and Machine Learning
23.	Mr. Manu Srivastava	Assistant Professor	Parallel processing & Malware Detection
24.	Mr. Harish Sharma	Assistant Professor	Data mining, Information Retrieval, Image Processing, NLP
25.	Mr. Ankit Shrivastava	Assistant Professor	Biometrics
26.	Mr. Mahesh Jangid	Assistant Professor	Image Processing, Computer Vision
27.	Mr. Prashant Manuja	Assistant Professor	Information Security, Image Processing
28.	Mr. Jigyasu Nema	Assistant Professor	Approximation Algorithms, Artificial Intelligence
29.	Mr. Ravinder Yadav	Assistant Professor	Big Data, Networks, Cloud Computing
30.	Mr. Priyank Singh Hada	Assistant Professor	Big Data Analytics & Cloud Computing
31.	Ms. Anita Shrotriya	Assistant Professor	Real Time Application, Mobile cloud computing
32.	Mr. Arvind Kumar	Assistant Professor	Machine Learning
33.	Mr. Vikram Raju R	Assistant Professor	Security in IPV6 (Mipv6)
34.	Ms. Shikha Mundra	Assistant Professor	Natural Language Processing, Human Computer Interaction
35.	Dr. Chhagan Lal	Assistant Professor	Quality of Service in Adhoc Networks
36.	Mr. Arvind Kumar	Assistant Professor	Machine Learning

Extension Activities

Workshop

1. National Workshop on Intel HPC Code Modernization (Parallelization and Optimization), 12 -14 October 2016.
2. One Week Faculty Development program on Computational Intelligence (Machine Based Learning) 18- 22 January 2017.
3. Internet On Things Solutions using Azure, A Three days FDP, 27-29 June 2017.

Award

1. Roheet Bhatnagar, Elevated to Senior Member IEEE.
2. Mahesh Jangid, Elevated to Senior Member IEEE.
3. Sunita Singhal, Distinguished Associate Professor awarded by Computer Society of India.
4. Sunita Singhal, Research Excellent, awarded by The Indus Foundation Inc. USA.

Expert Talk

1. Maj. Gen. Sandeep Sharma, Director, NTRO, Security, 08 January16.
2. Dr. Alan Struthers, Parallel Computing Approaches towards Mathematical Problems, 12- 16 October 16.
3. Dr. Sandeep Shukla, IIT Kharagpur, Cyber Securing, 16 December 16.
4. Prof. Venu Govindraju, University of Buffalo, Pattern Recognition, 25 January 17.
5. Business Intelligence and Business Analytics Cloud and Knowledge Management by Microsoft, 26 May 2017.
6. Project Management & Agile Methodology with CDAC, 25 March 17.

Student Activities

1. Summer University Program- 2017 was organized at Ngee Ann Polytechnic, Singapore from 03-14 July 2017.

New Chapter

1. Developer Student Club (DSC) Program team.
2. CSI Student Chapter

IEEE Activities

1. Open House Session and SSS, 26 August 2016.
2. DIY Motion Controlled Lamp Workshop, 30 September 2016.
3. IEEE Day 2016, 5 October 2016.
4. Home Automation and Bluetooth Communication using Arduino, 15 January 2017.
5. Straight Out of Junk, 18 March 2017.
6. Open House Session and SSS, 26 August 2016.
7. DIY Motion Controlled Lamp Workshop, 30 September 2016.

CSI Activities

1. Web App Development Workshop 14 – 15 February 2017.
2. QUIZBUG,6 March 2017

IEEE Expert Talk

1. Prof. K. Subramanian, Big Data, how Big Data is

affects our lives and future of Big Data, 25 November 2016.
2. Shri Nishith Seth, Cybe, 6 r Fraud Analytics-Use cases, 25 November 2016.

Publications in International Journals

1. Dhiraj Pandey, Umashankar Rawat, Anil Kumar, "Robust Progressive Visual Cryptography with Chaotic Map" Journal of Discrete Mathematical Sciences & Cryptography, 27 Dec 2016, ISSN No. 0972-0529.
2. N Salankar, N Ahuja, S Chaurasia and N Singh, "Fuzzy Logic Based Approach for Automation of Emotion Detection in Misophonia " International Journal of Computer Science & Information Technology, 1, February 2017, ISSN No. 0975 – 4660.

Publications in International Conferences:

1. Satyabrata Roy, "A Novel Cryptosystem using Cellular Automata" International Conference on Communication and Signal Processing 2017.
2. Tarun Jain, Jyoti Grover, "Cuckoo Search Strategies for Solving Combinatorial Problems (Solving Substitution Cipher: An Investigation)" 1st International Conference on Smart Systems, Innovations and Computing (SSIC-2017), ISSN No. 978-981-10-5827-1.
3. Akhilesh Sharma, Prakash Ramani, "Rigorous Data Analysis and Performance Evaluation of Indian Classical Raga using RapidMiner" International Conference on Soft Computing: Theories and Applications-2016 (SoCTA-2016).
4. Jyoti Grover, "Real Time VANET Application using Fog Computing" 1st International Conference on Smart Systems, Innovations and Computing (SSIC-2017).
5. Sonal Yadav, "A Power Thermal and Reliability-Aware Network-on-Chip" IEEE International Symposium on Nano electronic and Information Systems 2017.
6. Sandeep Chaurasia, "Modelling of Human Emotion using Analysis of Natural Speech using Refinement Approach" 2nd International Conference on Next Generation Computing Technologies (NGCT-2016)-Dehradun, ISSN No. doi: 10.1109/NGCT.2016.7877407.
7. Sandeep Chaurasia, "A Classed Approach towards Rainfall Forecasting: Machine Learning Network" International Conference on Smart Technologies in Computer and Communication (SmartTech-2017) Jaipur.
8. Sandeep Chaurasia, "An Enhanced Approach Fuzzy C-means Clustering for Anomaly Detection" 1st International Conference on Smart Systems, Innovations and Computing (SSIC-2017), ISSN No. 978-981-10-5827-1.
9. Rishi Gupta," Content Based Image Retrieval using Dither Block Truncation Coding with Similarity Comparison Algorithm" 2017 International Conference on Computer, Communications and Electronics (Comptelix), ISSN No. 978-1-5090-4708-6/17/$31.00.
11. Rishi Gupta," Race Identification from Facial Images using Statistical Techniques" International Conference on Smart Technologies in Computer and Communication (SmartTech-2017).
12. Ravinder Yadav, Aravind Kilaru, Shambhavi Kumari, Devesh Kumari, "The Recent Trends, Techniques and





Methods of Cloud Security" International Conference on Information and Communication Technology for Intelligent Systems ICTIS-2017.

13. Ravinder Yadav, Aravind Kilaru, Devesh Kumar Srivastav, Priyanka Dahiya, "Performance Evaluation of Word Count Program using C#, Java and Hadoop" SmartCom, Jaipur, Aug 6-7, 2016.

Department of Information Technology



Computer Science is at the forefront of technological advancements and thus we have an onus to be amongst the torch bearers. Thus, In the School of Computing and IT, every effort is made to keep pace with modern pedagogical practices and emerging paradigms like MOOC, Moodle, webinars; the tools/aids for modern teaching; ever-evolving syllabi keeping pace with technological advancement and industry trends etc. At SCIT, we strive to imbibe the virtues of Manipal education system amongst the newly inducted faculty. The depth of subject knowledge is major objective of the research work thus keeping abreast of technology frontiers.

The research work in the most popular areas is being nurtured through internal research grants and sponsored project funding. To prepare students for immediate work, an exposure is offered through opportunities in such research work during the final semester for UG and final year for the PG students. We also attempt to enrich the laboratory work through interaction with industry collaborations by way of expert lectures and lab exercises drawn from projects running in field.

Department of Information Technology

Information Technology meets the computational needs of business with an emphasis on technology. The exponential growth of user expectations and the increasing workload in the industry sector has created immense requirements for professionals in the field of IT. The course content focuses on complete software development lifecycle, database system, and knowledge discovery and application development in internet technology with judicious blend of technical skills. The students are also encouraged to undergo professional certification in latest technologies.

The department of IT strives for stronger partnerships with industry pertaining to Networking/Warehouses/Big Data Analytics/ Electronics/Semiconductors etc., research communities like IEEE/CSI/ACM/NVIDIA and other educational institutions.

Academics Programs with Intake

Bachelor of Information Technology: 180 student per academic year

M.Tech-Network and Information Security: 18 students per academic year

New Initiatives:

1. Official Training Partner of the world famous Cyber Security trainers, M/s EC-Council with their headquarters in New Mexico USA.
2. Summer School on Machine Learning by Prof. Sumit Srivastava from June 01-30, 2017.
3. 1st International Conference on Smart System, innovations and Computing held on April 14-16,2017
4. TED-X Version 1.0, Manipal Univeristy Jaipur on November 19,2016

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr. Sumit Srivastava	Professor & HoD	Image Processing, Data Science
2.	Dr. Devi Prasad Sharma	Professor	High Performance Computing
3.	Dr. Devesh Kumar Srivastava	Professor	Software Engineering, Big Data
4.	Dr. Akhilesh Kumar Sharma	Associate Professor	Data Mining, Web Analytics
5.	Dr. Sulabh Bansal	Associate Professor	Soft Computing Techniques
6.	Dr. Dasari Nagaraju	Associate Professor	Ring theory
7.	Dr. Devershi Pallavi Bhatt	Associate Professor	Cyber Security
8.	Dr. Kalpna Sharma	Associate Professor	Fluid Dynamics
9.	Dr. Pratistha Mathur	Associate Professor	Digital Image Processing, Soft computing
10.	Mr. Ashish Jain	Associate Professor	Evolutionary Computation and Cryptology
11.	Dr. Alka Chaudhary	Assistant Professor	MANETs Security and Soft Computing
12.	Ms. Anju Yadav	Assistant Professor	Wireless sensor network, Computer graphics
13.	Mr. Ankit Mundra	Assistant Professor	Information Security, Networks, HPC
14.	Mr. Anurag Bhatnagar	Assistant Professor	Software Engineering
15.	Ms. Bhavna Saini	Assistant Professor	Cloud Computing, Data Mining
16.	Ms. Ginika Mahajan	Assistant Professor	Software Engineering
17.	Mr. Gaurav Aggarwal	Assistant Professor	machine learning and speech processing
18.	Ms. Kavita	Assistant Professor	Software Engineering
19.	Mr. Krishna Kumar	Assistant Professor	Computer network, Routing Algorithm.
20.	Ms. Kuntal Gaur	Assistant Professor	Medical Image Processing
21.	Mr. Lokesh Sharma	Assistant Professor	Mobile Ad hoc Networks
22.	Ms. Monika Jain	Assistant Professor	Image processing, HPC
23.	Ms. Neha V Sharma	Assistant Professor	Natural language Processing
24.	Mr. Pradeep Kumar	Assistant Professor	Medical Image Processing
25.	Mr. Rahul Saxena	Assistant Professor	High Performance Computing
26.	Mr. Ravinder Kumar	Assistant Professor	Cloud Computing, Data Mining
27.	Mr. Rohit Kumar Gupta	Assistant Professor	Computer network
28.	Mr. Saurabh Gupta	Assistant Professor	Cloud Computing
29.	Mr. Shashank Sharma	Assistant Professor	Data Mining, Soft Engineering
30.	Mr. Venkatesh Gauri Shankar	Assistant Professor	Information Security
31.	Mr. Virendra Dehru	Assistant Professor	Browser Vulnerabilities
32.	Mr. Vivek Kumar Verma	Assistant Professor	Natural Language Processing
33.	Mr. Aravind Kilaru	Assistant Professor	Cloud Computing

Extension Activities: Conferences/Seminar/Workshop Organized

1. Summer School on Machine Learning from June 01-30,2017
2. 1st International Conference on Smart System, Innovation and Computing-SSIC 2017 on April 14-16,2017
3. International Exchange program on Real Time Systems in collaboration with university of Western Switzerland from February 13-24,2017
4. National Workshop on Internet of Things in collaboration with Forsk Technologies, April 14,2017
5. Workshop on Cloud Computing and Big Data by Mr. Gaurav Somani, April 14,2017
6. One-day workshop of DevOps on Software Engineering & Project Management on February 24th, 2017
7. National Workshop on (Parallelization and Optimization) in Collaboration with Intel October 12th-14th, 2016.

Expert Lecture/Invited Talks:

1. Expert Talk by Dr. Kunda, M M Rao, former Deputy Director, Dept of Space on "Medical imaging, processing and challenges in healthcare" on March 6th, 2017
2. Expert Talk on "Real Time System: IoT Based Learning" by Prof. Pierre Bressy, Professor at HEIG-VD, University of applied sciences, Switzerland on February 25,2017
3. Expert talk by Prof. M.C. Govil, Professor, Department of Computer Science, MNIT, Jaipur on "Cloud computing" on Feb2, 2017.
4. Expert Talk by Prof. K. Subramanian- Executive Vice chair, Delhi section on "Data Science/Engineering-Analytics Fuels Growth of a Nation-Innovative use cases (INDIA)" on November 25, 2016
5. Expert Talks by Mr. Nishith Seth, secretary EISSA on "Cyber Fraud Analytics-Use cases" on November 25, 2016.

International Student Guided:

IAESTE exchange program- Ms. Lobana Fezai, Bachelor in Modelling for Industry and Services Finances (Minds), National Engineering School of Tunis on use of Machine learning algorithm in Financial Analysis for two months starting from July 03,2017

Publication in Internationals Journals:

1. Sumit Srivastava, "Improved classification of the high-resolution image data using Hoeffding algorithm" in Annals of Data Science, Volume 3, Issue 1, pp. 63–70 Springer, 2016
2. Preeti Thakur, Devesh Kumar Srivastava "Virtual Image "An Algorithm to Secure Virtual Machine Image in Cloud Environment" International Journal of Security and Its Applications Vol. 11, No. 5 pp- 49-58 (2017) ISBN 1738 – 9976 published by SERSC: Science & Engineering Research Support Society
3. Vijay Kumar Sharma, Devesh Kumar Srivastava, Pratistha Mathur, "A Study of Steganography Based Data Hiding Techniques", International Journal of Emerging Research in Management &Technology ISSN: 2278-9359 (Volume-6, Issue-4) April 2017.
4. Verma V K, Srivastava S, "A Perspective Analysis for Grammatical Structure of Indian Sign Language" IETE Journal of Research - Taylor & Francis (Communicated).
5. Tarun Jain, Pradeep Tiwari, Vivek K Verma, "Time Delay Based Demand Routing Protocol to Avoid Collisions with Neighbors Routing Discovery in Ad-hoc Network" International Journal of Software Innovation (IJSI)-IGI Global (Accepted for publication),2017.
6. Performance analysis of frequency domain based feature extraction techniques for facial expression recognition, Neha Janu, Pratistha Mathur et. al. 2017 7th International Conference on Cloud Computing, Data Science & Engineering - Confluence, 12-13 Jan. 2017, published on IEEE explore
7. Performance Analysis of Feature Extraction Techniques for Facial Expression Recognition, Neha Janu, Pratistha Mathur et. al. International Journal of Computer Applications (0975 – 8887), volume 166 – No.1, May 2017
8. A Study of Steganography Based Data Hiding Techniques Vijay Kumar Sharma, Dr. Devesh Kr Srivastava, Dr. Pratistha Mathur , International Journal of Emerging Research in Management &Technology ISSN: 2278-9359 (Volume-6, Issue-4) , April, 2017
9. Software Metrics and Soft Computing Models for Component Based Software: A Review, Shriddha Sagar, Pratistha Mathur and Arun Sharma, International Journal of Control Theory and Applications, Volume : No.9 (2016) Issue No. :19 (2016)

Publications: Conferences (Communicated/Accepted/Published)

1. Verma V K, Srivastava S, "A Perspective Analysis of Phonological Structure in Indian Sign Language", SSIC- Manipal University Jaipur, April 2017.
2. Mahesh Jangid, Verma V K, and, Venkatesh Gauri Shankar "Counting and Classification of vehicle through Virtual Region for Private Parking Solution", SSIC- Manipal University Jaipur, April 2017.
3. Verma V K, Srivastava S, "A Transliteration Prototype using Assistive Technology and Sign Modelling", SmartTech-2017 Amity University Rajasthan March 27-29, 2017.
4. Nitin Arora, Devesh Kumar Srivastava, Roheet Bhatnagar "An Empirical Study on Component Based Software Engineering" Scopus indexed Springer International Conference on Smart Systems, Innovation & Computing April 15 - 16, 2017 Jaipur, India

5. Devesh Kumar Srivastava, Ayush Singh, "Big Data Analytics for a Smart City Framework" Scopus indexed Springer International Conference on Information and Communication Technology for Intelligent Systems March 25 - 26, 2017 Ahmedabad, India
6. Devesh Kumar Srivastava, Priyanka Nair, "Employee Attrition Analytics using Predictive Techniques", Scopus indexed Springer International Conference on Information and Communication Technology for Intelligent Systems March 25 - 26, 2017 Ahmedabad, India
7. Comprehensive Secure Electronic fund transfer system using Application of steganography and Visual Cryptography, Vijay Kumar Sharma, Devesh Kumar Srivastava and Pratistha Mathur, SmartTech-2017, March 27-29, 2017
8. Rahul Saxena, Monika Jain, D.P. Sharma, "GPU Based Parallelization of Topological Sorting" accepted in International Conference on Smart Systems, Innovation and Computing (SSIC-2017) to be published in Springer Book Series Smart System, Innovations and Computing: Proceedings of 1st International Conference on SSIC 2017. (Scopus Indexed)
9. Monika Jain, Rahul Saxena "Overview of VANET: Requirements and its Routing Protocols" accepted in 2017 International Conference on Communication and Signal Processing (ICCSP) to be included in IEEE Xplore Digital Library. (Scopus Indexed)
10. Rahul Saxena, Monika Jain, Syed Mohammad Yakub, "Sudoku Game Solving approach through Parallel Processing" accepted in International Conference on Computational Intelligence and Informatics (ICCII), 2017 to be published in Springer AISC (Advances in Intelligent Systems and Computing) Book Series as a book chapter (Scopus Indexed).
11. Monika Jain, Rahul Saxena, "VANET: Security attacks, solution and simulation" accepted in International Conference on Computational Intelligence and Informatics (ICCII), 2017 to be published in Springer AISC (Advances in Intelligent Systems and Computing) Book Series as a book chapter (Scopus Indexed).
12. Rahul Saxena, Monika Jain, Siddharth Bhadri, Suyash Khemka, "Parallelizing GA Based Heuristic approach for TSP over CUDA and OpenMP" accepted in 6th IEEE ComSoc sponsored conference ICACCI for the paper to be included in IEEE Xplore Digital Library. (Scopus Indexed)
13. Devershi Pallavi Bhatt, Charchit Tailong, "Internet of Things in Sport Science Environment" presented in International Conference on "Emerging Trends in fitness and Sports Science " published in conference proceedings ISBN: 978-93-85447-28-0 book series Volume III.
14. Devershi Pallavi Bhatt, Suman Bhakar, "Latency Factor in Bot movement through Augmented Reality" presented in International Conference on "Security of Smart cities, Industrial Control System and Communications" on 15th to 16th April 2017, Published in Springer, SIST series, 2017, Print ISBN: 978-981-10-5827-1, e-Book ISBN: 978-981-10-5828-8.
15. Vipin Pal, Anju Yadav, Yogita, R P Yadav "Magnetic Field Line Based Node Deployment Strategy for Wireless Sensor Networks," International Conference on Optical and Wireless Technology (OWT-2017), MNIT, Jaipur
16. Anju Yadav, Vipin Pal, "A Chaotic Genetic Algorithm For Wireless Sensor Networks," International Conference on Smart Systems, Innovations and Computing (SSIC-2017), April 14-16, 2017 Manipal University, Jaipur,
17. Venkatesh Gauri Shankar, Mahesh Jangid, Bali Devi and Shikha Kabra, Mobile Big Data: Malware and its Analysis, In First International Conference on Smart Systems, Innovations and Computing at Manipal University Jaipur (April 14-16, 2017)(Springer)
18. Venkatesh Gauri Shankar, Mahesh Jangid and Vivek Verma, Counting and Classification of Vehicle through Virtual Region for Private Parking Solution, In First International Conference on Smart Systems, Innovations and Computing at Manipal University Jaipur (April 14-16, 2017)(Springer).
19. Venkatesh Gauri Shankar, Ankit Srivastava and Vivek Verma, XTrap: Trapping Client and Server Side XSS Vulnerability, In 2016 Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC) (Dec 22-24, 2016) (IEEE).
20. Venkatesh Gauri Shankar, Gaurav Somani, Manoj Singh Gaur, Vijay Laxmi and Mauro Conti,AndroTaint: An Efficient Android Malware Detection Framework using Dynamic Taint Analysis In IEEE conference on Asia Security and Privacy Conference at NIT Surat Jan 29- Feb 02, 2017

Expert Talk by Departmental Faculty Members:

1. Prof. Sumit Srivastava on "Machine learning Adaptation of Image Analysis", National Conference

on "Emerging Technologies in Computer Engineering: NCETCE-2016" organized on 25th-26th Nov. 2016.

2. Prof. Sumit Srivastava on "Soft Computing Techniques for Image Processing", in One Week Workshop on "Soft Computing and Network Security - 2016" during November 12- 17, 2016 at Govt. Women Engineering College, Ajmer, Rajasthan.
3. Prof Sumit Srivastava on "Data Analysis for Smart System", TEQIP sponsored workshop on SMART System Analysis using Machine Learning at Government Engineering College, Ajmer on September 25,2016

Research Funding received:

1. Dr. Akhilesh Sharma as faculty mentor received the funding of Rs. 87,000/-for the project entitled "Curis, Because we Care" under endowment scheme, Manipal Univeristy Jaipur
2. Mr. Rahul Saxena and Ms. Monika Jain got the Funding of Rs. 30,000/- for the project "Smart Monitoring and Control for Electrical Appliances" under seed grant for research project, Manipal Univeristy Jaipur
3. Dr. Sumit Srivastava received the Funding worth Rs.1,00,000/- from Science and Engineering Research Board, Government of India, for the 1st International conference on Smart System, Innovation and Computing(SSIC-2017).
4. Dr. Sumit Srivastava received the Funding worth Rs.1,50,000/- from Bertelsmann Marketing Services India Pvt. Ltd., for the 1st International conference on Smart System, Innovation and Computing(SSIC-2017).
5. Dr. Sumit Srivastava received the Funding worth Rs.1,00,000/- from IoN Services network., for the 1st International conference on Smart System, Innovation and Computing(SSIC-2017).



Expert Talk by Prof. S.K.Pal, Distinguished Scientist and former Director, Indian Statistical Institute

Number of awards for innovation won by institution/teachers/research scholars/students

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Category- institution/ teacher/research scholar/student
CODE VITA CONTEST	Bhavuk Jain	TCS	Student
	Abedh Tiwari	TCS	Student
	Niti Bhatia	TCS	Student
IETE Foundation Day Seminar Presentation	Ms. Shakshi Bhoolchandani	IETE	Student
			Student
IETE Foundation Day Seminar Presentation	Mr. Rahul Gupta	IETE	Student
Graphic Designing - National (2nd place)	Harsh Kakroo	ITM	
Best paper Award	Mr. Venkatesh Gauri Shankar	Manipal Univeristy Jaipur	Faculty
Best paper Award	Mr. Ashish Jain	Manipal Univeristy Jaipur	Research Scholar
Best Poster Award	Ms. Bhavna Saini	Manipal Univeristy Jaipur	Research Scholar
Best Poster Award	Mr. Shashank Sharma	Manipal Univeristy Jaipur	Research Scholar
Award of Excellence for among top 5% student in Wireless Ad-Hoc Network Course	Mr. Krishna Kumar	NPTEL Online Courses	
			Faculty
President Award	Mr. Lokesh Sharma	Manipal Univeristy Jaipur	Faculty

Department of Computer & Communication Engineering (CCE)

About Department:

Department of Computer & Communication Engineering (CCE) was established in 2015. The goal is to integrate communications and computing, which includes theory and practices of software and hardware of computers; multi-media communications, information networks; signal processing; VLSI technologies etc. The Department of CCE offers one of the most comprehensive instructional programs enhanced with research in its various fields. Research in Communications and Computer Engineering addresses issues across the spectrum of Communications / Computer Systems. Some of the key topics include Information Network, Media, Information Security, Communications, Computer Architecture, VLSI systems, Signal Processing systems and Electronic Circuits.

Academics Program with intake B. Tech (Computer and Communication Engineering), 180 students each academic year.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr Vijaypal Singh Dhaka	Professor & HoD	Web Technology, Artificial Neural networks, Machine Learning
2.	Dr Arjun Singh	Associate Professor	Computer Networks, IDS, Digital Signature, Mobile Grid Computing
3.	Dr Gulrej Ahmed	Associate Professor	Low Power VLSI, Wireless Communication, Embedded Systems, IoT
4.	Dr Manoj Bohra	Associate Professor	Information and network Security, IoT and Cloud computing, Networks-on-Chip
5.	Dr Lalit Kane	Assistant Professor	Digital Image Processing, Human Computer Interaction
6.	Mr Gaurav Prasad	Assistant Professor	Information Security, Steganography, Malware Analysis, Web technology
7.	Mr Vidyadhar J Aski	Assistant Professor	Internet of Things, Embedded systems, Sensor area Network
8.	Vineeta Soni	Assistant Professor	Information security, Artificial Neural Networks
9.	Pragnesh V Thaker	Assistant Professor	Machine Learning Using R, Data Analytics, Algorithms
10.	Sonal Yadav	Assistant Professor	Multi/Many Core Networks-on-Chip, Interconnection Networks
11.	Utsav Upadhyay	Assistant Professor	Big Data Analytics, Distributed Systems, Data Mining and Warehousing
12.	Naina Narang	Assistant Professor	Antenna Designing; Simulation and numerical modelling techniques

Sponsored/Consultancy Projects Undertaken

1. Dr V S Dhaka received grant for research project entitled "Forecasting the power output of sensitized solar cells (SSC) with varying structural and weather parameters using soft computing techniques" Sponsored by Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India. Total Amount: 68 Lacs for next 3 years.
2. Dr V S Dhaka has submitted a research proposal on "Power Generation Efficiency Prediction and Optimization of Photovoltaic devices in Indian Subcontinent Region with Artificial Intelligence (AI)" worth of Amount; 2, 71, 32,170 Rupees.

New Initiatives

a. Dr V.S. Dhaka has successfully implemented automated systems of Open Elective Allotment Software and B Tech Branch Change Software.

Awards and Honors

Dr. V. S. Dhaka is awarded with "World Eminence Awards-2017" for Leading Research Contribution in ICT during WS4 Conference in London on 15th Feb, 2017.

Extension Activities: Conferences/Seminars/Workshops organized

1. Organized three days workshop on IoT Solutions using Azure, conducted by Microsoft corporation
2. Dept organized 12 days Summer University Program in association with University of Applied Sciences, Switzerland from: 13th to 24th February 2017.



Visitors/Invited Lectures

1. Invited talk held on "Cognitive IoT" by Dr. Santanu Choudhary, Director, CEERI Pilani, 23rd Jan 2017.

Publication in International Journals

1. Gulrej Ahmed R.K. Baghel, "Performance evaluation of a new single-ended comparator for low-power high-speed Flash ADC", international Journal of Electronics Letters (Tailor and Francis), 2168-1732, 2016.
2. Ashwin Ganesan, "Edge-transitivity of Cayley graphs generated by transpositions," Discussiones Mathematicae Graph Theory, vol. 36, pp. 1035-1042, October 2016.
3. Narang, N. Dubey S.K., Negi P.S., Ojha, V.N. "Design and Characterization of E- shaped Microstrip based E-field Sensor for GSM and UMTS Frequency Bands", AIP Review of Scientific Instruments,124703, 2016.
4. Vijaypal Singh Dhaka "Indian E-Governance System Opportunities and Challenges", Global Journal of Computer Science and Technology, USA, 0975-4172, 2016.
5. Ashwin Ganesan, "Fault tolerant supergraphs with isomorphisms" to Discrete Applied Mathematics (a strong Elsevier journal), March 2017.
6. Narang, N. Dubey S.K., Negi P.S., Ojha, V.N. "A Coplanar Microstrip Antenna as a Dosimetric E-field Probe for GSM Frequencies", Journal of Metrology Society of India, 0974-9853, 2017.

Participating in International/National Conferences

1. Lalit Kane et al "A Framework to Plot and Recognize Hand Motion Trajectories towards Development of Non-tactile Interfaces", Intelligent Human Computer Interaction (IHCI),2015, PDPM IIITDM, Dumna Airport Road, Jabalpur, Procedia Computer Science, 1877-0509, 2016.
2. Naina Narang et al, "Precise E-field measurement inside TEM cell at GSM frequencies using microstrip E-field probe", Signal Processing and Communication (ICSC), JIIT Noida, 978-1-5090-2684-5,2016.
3. Lalit Kane et al "Application Layer Proxy Detection, Prevention with Predicted Load Optimization", International conference on Intelligent Human Computer Interaction, ICRAIE-2016, PDPM IIITDM, 5090-2806, 2016.
4. Naina Narang et al, "Analysis of gold and magnetic nanoparticles in presence of microwave exposure for hyperthermia application", CEM'17, UPC Barcelona, Spain, 978-1-5386-1732-8, 2017.
5. Lalit Kane et al "Analysis of Optimal Wheat Yield Prediction Using Feed Forward Neural Networks", International conference on smart technologies in computer and communication (SmartTech-2017), IHCI15, PDPM IIITDM, 1877-0509, 2017.
6. Lalit Kane et al "Magnetic nanoparticle response in RF for biomedical applications", 2016 IEEE MTT-S International Microwave and RF Conference (IMaRC-16), AcSIR-National Physical Laboratory, 2377-9152, 2017.

7. Kriti Bhargava, Vineeta Soni "A Novice Cryptosystem based on nth Root of gaussian integers", Comptelix 2017, MUJ, India, IEEE digital library, 978-1-5090-4708-6/17,2017.

Extension Activities

MUJ - CSI Student Branch Inauguration

Manipal University Jaipur (MUJ), an Institutional Member of Computer Society of India (CSI), inaugurated MUJ CSI student branch on 28 Jan. 2017 under the able guidance of Prof. Sandeep Sancheti, President, Manipal University Jaipur, Chief Guest Prof. Vijay Singh Rathore, Chairman, Student Chapter, CSI and Prof. Rajveer Singh Shekhawat, Director, School of Computing and IT, MUJ.

Prof Rajveer Singh Shekhawat visited CESI France

Professor Rajveer Singh Shekhawat visited the head quarter of CESI in Paris, he delivered an expert talk on smart grid and embedded systems at CESI, France. CESI mainly focussed on the Sandwich programmes with industry and the Information Technology degree programmes.

Prof. Rajveer visited various research labs like "Thinking Lab", Fablab and Smart Building structure which was a modular design and is being used for testing various concepts for making smart buildings. CESI – MUJ will be looking upon the student exchange programme, faculty exchange and sharing of ideas through joint project on smart buildings.

Workshops Attended

1. Dr V S Dhaka has attended National Workshop on Intel HPC code Modernization in collaboration with Intel and Wipro in October 2016.
2. Dr V S Dhaka has attended One Week Workshop on "Simulation for Network Protocols on a Complex Innovation Network" (Sim4Net-2016) from December 19-23, 2016 at Amity University
3. Dr V S Dhaka has attended One Week FDP on Machine Learning at Manipal University
4 Dr V S Dhaka has attended Training program "Users on Office 365 basics and the usage of Outlook groups" by Microsoft at Manipal University Jaipur on 13th January 2017.
5 Dr V S Dhaka has attended Industry academia faculty development program on ERP and Knowledge management held in MUJ conducted by TCS during 26th May 2017.
6. Vidyadhar Jinnappa Aski has attended Workshop "Hands on Approach to teaching wireless communication using SDR" organized by National Instruments held on Jan 11 2017.
7. Vidyadhar Jinnappa Aski has attended Microsoft organized training program for MUJ Users on Office 365 basics and the usage of Outlook groups at Manipal University Jaipur on 13th January 2017.
8. idyadhar Jinnappa Aski has attended Industry academia faculty development program on ERP and Knowledge management held in MUJ conducted by TCS during 26th May 2017.
9. idyadhar Jinnappa Aski has attended Three days workshop on Azure as a solution for IoT applications, conducted by Microsoft corporation.
10. Dr Gulrej Ahmed has attended Short Term Training Program on "Modeling and Implementation of Analog and Digital Systems using EDA tools (MIADS)" on December 26-30, 2016. At MANIT Bhopal.
11. Pragnesh Thaker has attended the workshop on "Design and Building IoT Solution using Azure.

MOOC Courses

1. Vidyadhar Jinnappa Aski has completed the following MOOC courses:

- Introduction to Internet of Things (IoT) and Embedded Systems from University of California, Irvine, USA.
- The Arduino Platform and C Programming from University of California, Irvine, USA.
- Interfacing with Arduino from University of California, Irvine, USA
- The Raspberry pi platform and Python programming for raspberry pi from University of California, Irvine, USA
- Interfacing with Raspberry pi from University of California, Irvine, USA
- Programming for Everybody (Getting started with Python) from University of Michigan

2. Ashwin Ganesan completed the following MOOC courses:

- Algorithmic toolbox
- Data Structures
- Algorithms on graphs
- Algorithms on strings
- Advanced algorithms and complexity
- Genome assembly programming challenge

3. Pragnesh Thaker has completed MOOC course “Algorithm Tool Box" on "Coursera" offered by "University of California, San Diego & Higher School of Economics".

Other Major Activities of Faculty Members:

Dr V S Dhaka

1. External Expert in SRDC (School Research Development Committee) meeting at Amity University Jaipur held on 19th September 2016.
2. External Expert in SRDC (School Research Development Committee) meeting scheduled on 30th April 2017 at Amity University Jaipur.
3. Member and Reviewer of SSIC Conference held at MUJ on 14-16 April.
4. Reviewer for Computers & Electrical Engineering (www.journals.elsevier.com),ICRAIE-2016, second IEEE International Conference on Recent Advances and Innovations in Engineering- held during 23-25 December 2016.
5. Chaired a Technical Session and has delivered a talk in World Conference on Smart Trends in Systems Security and Sustainability (WS4 2017) at London.
6. TPC Member & chaired a Technical Session SMARTTech organized by Amity University Jaipur.
7. Chaired a Technical Session on Manipal Student Research Colloquium at MUJ, 17th March 2017
8. Reviewer for SMARTTech 2017 organized by Amity University Jaipur.
9. Team Member of five-year road Map plan for FOE.
10. Coordinator of Souvenir International Conference ICTIEE 2017, January 11-12, 2017
11. Visit Coordinator for Prof. Gopala Krishna Prabhu, Director (MIT) and Pro VC: 20th April.

Dr Manoj Kumar Bohra

1. TPC member in 5th ACM Workshop on MES
2. TPC member in 9th ACM Conference Security of Information Networks
3. TPC member in ICCT 2017
4. Co-coordinator for Student Research Symposium, SCIT
5. Organizing Committee member of MUJ conference ICTIEE 2017
6. Session chair, Program Chair, Organizing chair in SSIC-2017
7. Organizing committee member in FDP on Computational Intelligence.
8. Reviewer for KSII Transactions on Internet and Information Systems & IETE Technical Review.

Dr Gulrej Ahmed

1. Reviewer for SSIC-2017, ICCT-2017
2. Reviewer for INDIACom - 2017
3. Reviewer for International Journal of Electronics (Tailor & Francis)
4. TPC member in SSIC-2017

Mr Gaurav Prasad worked as sub reviewer for SSIC-2017.



School of Electrical, Electronics & Communications

Department of Electrical Engineering

Faculty members & their specializations:

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr. Shivendra Nath Sharan	Professor & Director	Energy
2.	Dr. Amit Soni	Professor & HoD	Electrical Power Systems
3.	Dr. Ashish Shrivastava	Professor	Power Electronics
4.	Dr. Amit Saraswat	Associate Professor	Electrical Power Systems
5.	Dr. S. A. Siddiqui	Associate Professor	Electrical Power Systems
6.	Mr. Manish Kumar Thukral	Associate Professor	Power Electronics
7.	Dr. Sunil Goyal	Associate Professor	Electrical Power Systems
8.	Mr. Vishnu Goyal	Assistant Professor	Industrial System & Drives
9.	Mr. Vinay Gupta	Assistant Professor	Measurement & Control System
10.	Mr. S. P. Singh	Assistant Professor	Electrical Power Systems
11.	Mr. Peeyush Garg	Assistant Professor	Instrumentation
12.	Mr. Abhishek Kumar	Assistant Professor	Control Systems
13.	Mr. Ritesh Singh	Assistant Professor	Control Systems
14.	Mr. Vikash Boradak	Assistant Professor	Electronic System Design
15.	Mr. S. N. Agarwal	Assistant Professor	Control & Instrumentation
16.	Mr. Himanshu Priyadarshi	Assistant Professor	Solid State Electronic Materials
17.	Mr. Maruti Nandan Mishra	Assistant Professor	Control & Instrumentation
18.	Mr. Mahipal Bukya	Assistant Professor	Electrical Engineering-HVE
19.	Mr. Divya R. Shrivastava	Assistant Professor	Power & Energy Systems
20.	Mr. Devesh Chandra	Assistant Professor	Micro Electronincs
21.	Mr. Amit Kumar Singh	Assistant Professor	VLSI Systems& Technology
22.	Mr. Ajay Shankar	Assistant Professor	Control & Automation
23.	Dr. Neeraj Kanwar	Assistant Professor	Electrical Power Systems

2. **Sponsored / Consultancy Projects Submitted / Undertaken**

A. **ENDOWMENT FUND-Seed Grant, MUJ**

Project Title: Experimental study on highly adequate and flexible Perovskites (CH3NH3PbX3 (X = I, Br, Cl)) thin film solar cell materials for small scale applications.

Principal Investigator (PI): Prof. Amit Soni (Ph.D.)
Co-Principal Investigator (PI):.Dr. Jagrati Sahariya, & Dr. S. A. Siddiqui (Ph.D.)

Funding Agency: Manipal University Jaipur
Project Fund: Rs. 3,00,000/-

3. **Development Activities:**

A. **Workshops / Short-Term Courses organized by EE department**

- First International workshop on "Marketing, Strategy and Policy for Energy, Rural Electrification, Health and Sanitation" in association with Special Interest Group (SIG) was organized on 15th and 16th November 2016. MUJ being as an organizer, institutes like University of Kent, Multinational Enterprise merge UK & Lappeeranta University of Technology Finland were participating institutes. The workshop focused on topics like technology for remote management, rural energy & electrification, energy management, food & sanitation etc. The concluding remarks were given by Dr. Suraksha Gupta (SIG Chair), and SIG Directors Dr. Amit Soni & Mr. Mahipal Bukya.



- **B.Workshops / Short-Term Courses attended by the Faculty Members of EE department**
- Dr. Shahbaz.A.Siddiqui, Associate Professor of EE department attended a Short-Term Course on "Application of Custom Power Devices for Power Quality Improvement" organized by Department of Electrical Engineering, MNIT Jaipur during 6th – 8th October 2016.
- Mr. Peeyush Garg, Assistant Professor of EE department attended a Short-Term Course on "Modeling and Simulation of Optoelectronic Devices (MSODSP)" organized by Department of Electronics Engineering, IIT (ISM), Dhanbad during 29th August to 2nd September 2016.
- C.Journal Papers published by the Faculty Members of EE department:
- Pancham Kumar, Amit Soni, Kailash Chandra Bhamu, Jagrati Sahariya "Optoelectronic behavioural study of defect-chalcopyrite semiconductors XGa2Te4 (X= Zn, Cd), Materials Research Bulletin [Elsevier], 86, 131-138, 2017.
- Jagrati Sahariya, Pancham Kumar, Amit Soni, "Structural and optical investigations of ZnGa2X4 (X = S, Se) compounds for solar photovoltaic applications," Material Chemistry and Physics [Elsevier], 199, 257-264, 2017.
- Sourabh Kumar Jain, Amit Soni, "Analysis of Reactive Power Control for Wind Energy Generation using FACTS Device STATCOM," Journal of Advanced Research in Dynamical & Control Systems, vol. 9, No. 4, pp. 136 - 141, July 2017. (Impact Factor: 0.2).
- Pancham Kumar, Jagrati Sahariya, Amit Soni, K.C. Bhamu, "Optoelectronic Analysis of CdGa2X4 (X= S, Se): A Promising Material for Solar Cells," Material Science Forum, vol. 900, pp. 69 - 73, July, 2017.
- Jagrati Sahariya, Pancham Kumar, Amit Soni, K.C. Bhamu, "Electronic and optical properties of ZnAl2Se4 and its use in solar cell," Macromolecular Symposia [In Press: MS-Nr: masy.201600203.R1].
- Ashish Shrivastava and Bhim Singh, "Single Stage Unity Power Factor Based Electronic Ballast," Sadhana, Indian Academy of Sciences, Springer, vol.41, no.10, pp. 1111-1122, Oct. 2016. (IF-0.465, 2016).
- Somnath Pal, Bhim Singh and Ashish Shrivastava, "A Highly Efficient Coupled-Inductor SEPIC Topology Based PFC DC-DC Converter for Low Power LED Lighting Systems," Accepted for publication in IETE Technical Review, March 2017, Taylor and Francis. (IF-1.330, 2016).

- Amit Agrawal, Ashish Shrivastava and K. C. Jana, "Uniform Model and Analysis of PWM DC-DC Converter for Discontinuous Conduction Mode," Accepted for publication in IETE Journal of Research, July 2017, Taylor and Francis. (IF-0.909, 2016)
- Shahbaz. A. Siddiqui, Kusum Verma, K. R. Niazi, Manoj Fozdar, "Real-Time Monitoring of Post-Fault Scenario for Determining Generator Coherency and Transient Stability through ANN", IEEE Transactions on Industrial Applications, [Accepted for publication], ISSN 0093-9994, (IEEE, Impact Factor: 2.973). DOI: 10.1109/TIA.2017.2753176.
- Narayanan. K, Shahbaz.A.Siddiqui, Manoj Fozdar, "A Hybrid Islanding Detection Method and Priority Based Load Shedding for Distribution Networks in the Presence of DG Units" IET Generation Transmission and Distribution. Vol. 11 (3), pp. 586-595, ISSN (Online) 1751-8695, February 2017 (IET, Impact Factor: 1.353). DOI: 0.1049/iet-gtd.2016.0437.
- Sunil Kumar Goyal, D.K. Palwalia, "A comprehensive analysis of optimal performance parameters of stand-alone generator", Indian Journal of Science and Technology, vol. 9, No. 25, pp. 1-12, July 2016. ISSN: 0974-6846. DOI: 10.17485/ijst/2016/v9i25/90004.
- Sunil Kumar Goyal, D.K. Palwalia, "Analysis of performance parameters and estimation of optimum capacitance for asynchronous generator", International Journal of Engineering Science and Technology (Publisher: Elsevier), vol. 19, pp. 1753-1762, 2016, ISSN: 2215-0986. DOI: http://dx.doi.org/10.1016/j.jestch.32016.05.015.
- Kirti, Manish Kumar Thukral and Vishnu Goyal, "Implementation of Algebraic Method Based Selective Harmonic Elimination of Multilevel Inverter Using Artificial Neural Networks", International Journal of Electronics Engineering Research, ISSN 0975-6450 Volume 9, Number 4 (2017) pp. 467-482.
- Vinay Gupta, "Impact of Dust Deposition on Solar Photovoltaic Panel in Desert Region: Review" in International Journal of Electronics, Electrical and Computational System ISSN 2348-117X, Volume 6, Issue 1 January 2017 pp 125-140.
- Amit Kumar Singh, Md. Riyaj , S.G. Anjum , Nisha Yadav , Amit Rathi ,M.J. Siddiqui, P.A. Alvi "Anisotropy and optical gain improvement in type-II In0.3Ga0.7As/GaAs0.4Sb0.6 nano-scale heterostructure under external uniaxial strain", Superlattices and Microstructures, Elsevier,Vol.98, pp 406-415, Sept. 2016.
- Amit Kumar Singh, Amit Rathi, Md. Riyaj, Garima Bhardwaj, and P. A. Alvi. "Optical gain tuning within IR region in type-II In0.5Ga0.5As0.8P0.2/GaAs0.5Sb0.5 nano-scale heterostructure under external uniaxial strain." Superlattices and Microstructures, Elsevier, July 2017.
- D.Book Chapter published by the Faculty Members of EE department:
- Narayanan Krishnan, Shahbaz A. Siddiqui and Manoj Fozdar (2017). Detection and Operation of Unintentional Islands in the Presence of Distributed Generation Units, Development and Integration of Microgrids, Dr. Wenping Cao (Ed.), InTech, Rijeka. DOI: 10.5772/intechopen.68859. (Book Chapter)

- **Conference Papers by the Faculty Members of EE department**
- Pancham Kumar, Jagrati Sahariya, Amit Soni and K. C Bhamu, "Optoelectronic Analysis of CdGa2X4 (X= S, Se): A Promising Material for Solar Cells," International Conference on Materials Engineering and Nano Sciences, 7th -9th January, Nanyang Technological University, Singapore 2017.
- Pancham Kumar, Jagrati Saharia, Amit Soni, "A systematic approach to investigate electronic and optical property of CuGaS2 using DFT," 3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics, 9th -11th December, IIT BHU 2016. DOI: 10.1109/UPCON.2016.7894615.
- Saurabh Jain, Amit Soni, "An Analysis of Power quality Improvement of wind Energy Source Using DSTATCOM," 8th International Conference on Human Values and Culture in Literature and Higher Education (IC-HVCL-2017), Maharshi Dayanand Saraswati University Ajmer, Rajasthan, 20-21 June 2017.
- Amit Saraswat, Ashish Saini and S. P. Singh, "Multi-objective congestion management based on generator's real & reactive power rescheduling bids in competitive electricity markets," Proc. Of International Conference on Computer, Communications and Electronics (Comptelix-2017), Jaipur, India, pp. 442-447, 1st -2nd July 2017.
- Akansha Shukla, Kusum Verma, Shahbaz A Siddiqui, "Voltage Stability Improvement of Distribution Networks by Enhancing DGs Impacts" 2016 IEEE First International Conference on Power Electronics,

Intelligent Control and Energy Systems, 04-06 July 2016, Delhi Technological University, New Delhi. DOI: 10.1109/ICPEICES.2016.7853186. INSPEC Accession Number: 16673147. (Available at IEEE Xplore).

- Narayanan. K, Shahbaz.A.Siddiqui, Manoj Fozdar, "An Improved Islanding Detection Technique and priority based load shedding for distribution system with multiple DGs" 19th IEEE National Power System Conference (NPSC-2016), 19-21 December 2016, IIT Bhubaneswar. DOI: 10.1109/NPSC.2016.7858886 (Available at IEEE Xplore)
- Neeraj Kanwar, Nikhil Gupta, K. R. Niazi, and Anil Swarnkar, "An integrated approach for distributed energy resources allocation using self-hierarchical bat algorithm," 2017 International Conference on Advanced Computing and Communication Systems (ICACCS -2015), Jan. 06–07, 2017, Coimbatore, INDIA.
- Vinay Gupta, Prateek Raj, Ankit Yadav, "Design and Analysis of PV Analyzer on LabVIEW", in Springer international Conference (ICICCD-2017) held on 15-16 April 2017 at UPES Dehradun.
- Vinay Gupta, Prateek Raj, Ankit Yadav, Accepted "Design and Cost Minimization of PV Analyzer based on Arduino UNO" in IEEE ICPCSI 21-22 Sept. 2017, Chennai.
- Peeyush Garg, "Design and Implementation of Interactive Home Automation System using LabVIEW", First International Conference on Smart Systems, Innovation and Computing at MUJ on April, 2017.
- Peeyush Garg, "Design and Analysis of PV Analyzer on LABVIEW" International conference on Intelligent Communication, Control and Devices (ICICCD 2017) at UPES, Dehradun on April, 2017. It will be published in the Book Series of Springer-Advances in Intelligent Systems & Computing (AISC) as per Contract No-65758.
- Md. Riyaj, Amit Kumar Singh, Amit Rathi, and P. A. Alvi. "Optical properties of Type-I GaAsP/AlGaAs nano-heterostructure under external uniaxial strain." In AIP Conference Proceedings, vol. 1832, no. 1, p. 120022. AIP Publishing, 2017.
- Amit Kumar Singh, Amit Rathi, Md. Riyaj, K. Sandhya, Garima Bhardwaj, and P. A. Alvi. "Wavefunctions and optical gain in Al0.8Ga0.2As/GaAs0.8P0.2 type-I QW-heterostructure under external electric field." In Computer, Communications and Electronics (Comptelix), 2017 International Conference on, pp. 59-62. IEEE, 2017.
- Amit Kumar Singh, Md. Riyaj, Mohit Kumar Sharma, Amit Rathi, "Wave Functions and Optical Gain in Al0.8Ga0.2As/GaAs0.8P0.2 type-I QW Heterostructure Under External Electric Field", National Workshop on Computational Electronics And Nanotechnology (CENT-2016), Manipal University Jaipur, India, 11th -12th November, 2016.
- Mohit Kumar Sharma, Amit Kumar Singh, Amit Rathi, "Stable Type-2 Fuzzy Logic Control of TCSC to Improve Damping of Power Systems" National Workshop on Computational Electronics And Nanotechnology (CENT-2016), Manipal University Jaipur, India, 11th -12th November, 2016.
- Maruti Nandan Mishra, "Comparative analysis of direct torque control of three phase Induction Motor using SVPWM and matrix converter"; Vol 01; Issue 01; 2017; International Journal of Advances in Electrical Machine and Power Electronics; MAT Journals.
- S. K Jhajharia, " Thyristor Converters are more energy Efficient than Diode Converters for the Electrolysis of the non-ferrous metals-A case study in Aluminium Smelters at Hindalco, India", in IEEE 7th Power India International Conference (PIICON) held on 25 Nov. 2016 at Bikaner.

5. Students Activities

A. **Industrial Visits**

- Industrial Visit to Jaipur Metro Rail Corporation (JMRC), Jaipur for Electrical Engineering Students was organized on 25th March 2017. Dr. Neeraj Kanwar and Mr. Maruti Nandan Mishra faculty MUJ accompanied Second Year students where Mr. B.L. Mali (JE E&M) introduced importance of traction system and maintenance. Students and Faculty members explored practical operations and technical overview was given related to machinery utilized in Jaipur metro, suspension system, braking system and control room.
- Industrial Visit to United Transformer Manufacturing Company, Jaipur for Electrical Engineering Students was organized on 7th April 2016. Under the supervision of Prof S. K. Jhajharia, Mr. Mahipal Bhukya and Mr. Maruti Nandan Mishra, Third Year students were greeted by Mr. Alok Singh (Technical Assistant) who introduced company profile. Conceptual information and constructional aspects were introduced by Prof. S. K. Jhajharia in morning session

thereafter they were allocated for practical work to understand the transformer manufacturing. The students were motivated to come up with innovative and industry oriented projects on transformers.



6. Academic Activities:

A. Guest Lectures / Invited Talks organized by Department of Electrical Engineering:

- Invited Talk was organized for the 5th and 7th semester students and the faculty members of EE on the topic of " Multilevel Inverters with Reduced DC Link Power Supplies for Industrial Motor Drives" given by Dr. Gopakumar K., Professor, Department of Electronic Systems Engineering, IISc Bangalore on 7th October 2016.
- Invited Talk on the topic of "Demand Side Management using Smart Grid Technology" on 12th November 2016 was delivered by Dr. N. P. Padhy, Professor, IIT Roorkee. Professor Padhy elaborated the importance of consumer side management using bi-directional flow and how grids can be further made intelligent to curtail the power billings.



B. Significant Awards/Distinctions

- Dr. Amit Soni, Professor & Head, EE has received International Award for Teacher Introducing New Dimensions in Technical Fields in 8th International Conference on Human Values in Culture in Literature, 20th - 21st June 2017 organized by Maharshi Dayanand Saraswati University Ajmer.
- Mr. Peeyush Garg, Assistant Professor, EE has received "Best poster award" for poster titled as "Design and Implementation of an Automated G, C and D Chord playing system for Acoustic Guitar" in Poster Presentation Session of First International Conference on Smart Systems, Innovation and Computing at MUJ.



C. Memorandum of Understanding (MoU):

- Department has signed a Memorandum of Understanding (MoU) with Secure Meters Udaipur.

D. International Visits:

- Dr. Amit Soni, Professor & Head (EE) visited Nanyang Technological University (NTU), Singapore for research collaboration with Prof. Subodh Mhaisalkar, Executive Director, Energy Research Institute, NTU Singapore during 05th – 11th January 2017.

Department of Electronics & Communication Engineering

The Electronics & Communication department offers Undergraduate programs, Postgraduate programs and Doctorate programs that aim to prepare the students skilled and industry ready. All the academic programs have been designed to fulfil the vision of the department "To achieve excellence in Electronics & Communication Engineering through innovative practices and team work". The department continuously works with a mission: "To produce qualified and motivated graduates who possess knowledge of electronics and communication engineering and can provide solutions and services to the community at large. To promote research & innovation, and to keep abreast with the latest development in emerging technologies, in general, and in electronics & communication engineering in particular. To serve the needs of industry, scientific community, and society."

Academics Programs

- B.Tech. (Electronics & Communication Engineering),
- M.Tech. (VLSI Design & Technology),
- PhD (Faculty of Engineering with various specialized Area related to Electronics)

New Initiatives

Semiconductor Device Fabrication Lab

Semiconductor Device fabrication lab was introduced to provides hands on experience for design and fabrication of semiconductor devices like Diodes, Sensors etc...

DIY (Do-It-Yourself) Student Club

The club was established in February, 2017. The club aims at providing Hands-on experience of various projects being done by students themselves. It is expected to enhance their ability to understand various design aspects of components and circuits.

DIY Club Activity

DIY club has conducted two days' workshop on PCB designing in partnership with Intel Technology, using EAGLE CAD software under the Electronics and Communication Department, on 4th and 5th of March, 2017.

Student Chapter: Society of Photographic Instrumentation Engineers (SPIE)

This is a Jaipur chapter at MUJ for students. The club has been established in October, 2016.

SPIE Club Activity

An International Seminar was organized on Optical Technologies and Optical Communication on March 17, 2017.

Student Chapter: The Optical Society (OSA)

This is a Jaipur chapter at MUJ for students. It is established in February, 2017.

OSA Club Activity

An expert lecture was organized on "Optical Technologies by Dr. Rim Cherif, OSA Visiting Lecturer, from University of Carthage, Tunisia on March 17, 2017.

External Funded Projects

A project " M-RoID: Framework for capturing Real-Time Data through Optimal Deployment of multiple Mobile Robots in Hazardous Indoor Environments for Disaster management" of Dr. Tarun Kumar Dubey has been sanctioned in collaboration with Dr. Thilini Rajakaruna, South Asian Institute of Technology and Medicine (SAITM), Malabe, Sri Lanka by DST and MSTR (Sri Lanka) in 2016 (DST/INT/SL/P-11/2016)

Seed Money Projects, MUJ

- A project "Single/Joint (with other Organization /group of Students) / Interdisciplinary Project" of Dr. Amit Rathi and Mr. Amit Kumar Singh has been sanctioned in August, 2016.
- A project "Design, development and electrical characterization of Nanocell device based on OPE molecule for memory application" of Dr. Renu Kumawat and Dr. Rama Kanwar Khangarot in November, 2016.



Faculty associated in department with specialization

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr Sandeep Sancheti	Professor and President	High Frequency Electronics, Optical Communication, R.F. Circuits and Systems, Microwave Antennas and Semi-conductor Device Modeling
2.	Dr Awdhesh Kumar	Professor and Dean, Faculty Affairs - cum - Provost	Optical Communication
3.	Dr Amit Rathi	Associate Professor and HoD	Microwave Antenna, Opto-electronics Devices & Microelectronics, Bio-inspired Algorithms
4.	Dr V N Tiwari	Professor	Antenna Technology
5.	Dr Manish Tiwari	Professor	Photonics, Opto-Electronics & Optical Communication
6.	Dr Tarun Kumar Dubey	Associate Professor	Wireless Sensor Networks
7.	Dr Shilpi Birla	Associate Professor	VLSI
8.	Dr Renu Kumawat	Associate Professor	VLSI & Embedded
9.	Mr Sanjiv Jaswal	Associate Professor	IT & Telecommunication
10.	Dr Abhishek Shrivastava	Associate Professor	Electromagnetic Field
11.	Dr Himanshu Chaudhary	Associate Professor	Robotics & Networking
12.	Dr Sanyog Rawat	Associate Professor	Antenna Technology
13.	Dr Kulwant Singh	Associate Professor	MEMS Design & Technology
14.	Mr Chandra Prakash Gupta	Assistant Professor	Communication
15.	Mr Tejpal	Assistant Professor	Electronics & Comm. Engineering
16.	Ms Neha Singh	Assistant Professor	VLSI Design
17.	Ms Madhuri Sahal	Assistant Professor	Electronics & Comm. Engineering
18.	Ms Pallavi Yarde	Assistant Professor	Embedded System
19.	Ms Neetu	Assistant Professor	Microwave Antenna
20.	Mr Dinesh Yadav	Assistant Professor	Microwave Antenna
21.	Mr Suddhendu Das Mahapatra	Assistant Professor	Wireless Communication
22.	Ms Deepika Bansal	Assistant Professor	VLSI Design
23.	Mr Rohit Mathur	Assistant Professor	Digital Communication
24.	Ms Neha Chaudhary	Assistant Professor	Photonics
25.	Mr Chusen Duari	Assistant Professor	VLSI Design
26.	Mr Nitin Gupta	Assistant Professor	VLSI Design
27.	Mr Ashish Vijay	Assistant Professor	System & Control
28.	Dr Lokesh Garg	Assistant Professor	VLSI Design
29.	Mr Vishal Das	Assistant Professor	Digital Electronics & Advanced Comm.
30.	Mr Mohit Kr. Sharma	Assistant Professor	System & Control
31.	Dr Prashant Povel Dwivedi	Assistant Professor	Laser Science & applications
32.	Mr Saugata Dutta	Assistant Professor	Communication Engineering
33.	Dr Shashi Kant Sharma	Assistant Professor	VLSI Design
34.	Dr Khamesh Kumar	Assistant Professor	Micro Electronics
35.	Dr Nikhil Deep Gupta	Assistant Professor	Opto Electronic Devices
36.	Mr Amit Kumar Garg	Assistant Professor	Optical Communication & Networks

Industry-Academia Memorandum of Understanding (MoU):

1 MoU for Industry- Academia partnership is established between Forsk Technologies, Jaipur and Manipal University Jaipur in November, 2016.
2 MoU for Industry- Academia partnership is established between DKOP Lab, New Delhi and Manipal University Jaipur in February, 2017.

Faculty Achievements

1. Two faculty members, Dr. Shilpi Birla and Dr. Renu Kumawat have been promoted as Senior Member, IEEE.
2. Prof. Manish Tiwari visited Tsinghua University, Beijing, China for collaborative research during October 10-23, 2016.
3. A summer program conducted for students of Manipal Education System Institutions by Department of Electronics & Communication Engineering during June 1-23, 2017. The course name: "Semiconductor Device Fabrication & Characterization". In associated faculties were Dr. Shilpi Birla, Dr. Shashikant Sharma and Ms. Neha Singh.
4. Dr. Sanyog Rawat has visited to Advanced Scanning Probe Microscopy group, Advanced Nano Characterization Center (ANCC), Sengen site of National Institute of Materials Science (NIMS), Tsukuba, Japan during May 28, 2017 to June 03, 2017.

Extension Activities:

Conference /Workshop/ Seminar Organized

1. Two days National Workshop on Computational Electronics and Nanotechnology CENT-2016 (11-12 November, 2016)
2. A short term course on Recent Advances in Communication technologies at MUJ (28 November to 3 December, 2016)
3. International seminar on OPTICAL TECHNOLOGIES and Optical Communication (17 March, 2017)
4. 1st International Conference on Optical and Wireless Technology (OWT-2017) (18-19 March, 2017)
5. A workshop on "Xilinx Vivado Design tool flow using Zynq Board by Mr.Ankur Sangal, Sr.Application Engineer, Coreel Technologies (24 March, 2017)
6. A summer program conducted for students of Manipal Education System Institutions by Department of Electronics & Communication Engineering during June 1-23, 2017.
7. International Conference on Computer, Communications and Electronics (COMPTELIX-2017) Institutional Partners: Manipal University Jaipur, Malviya National Institute of Technology, Faculty of Science and Technology, Keio University Japan, Belarusian State University, Minsk, Belarus, University of Tunis El Manar, Tunisia (1-2 July, 2017)

Visitors/Invited Lectures

1. A lecture on "Everything You always wanted to know about research", but were afraid to Ask by Dr. (Ms.) Antigone Marino from Institute of Applied Sciences and Intelligent Systems, ITALY on 2 September, 2016
2. Embedded to IoT: a Journey today by Dr. Sylvester Fernandes and Mr. Yogendra Singh from Forsk Technologies along with Mr. Abul Jasser from 100 Cofounders Lab on September 14, 2016
3. VLSI Design Flow by Sh. Devender Pal Khari (Director, DKOP Labs Pvt. Ltd.) on 4 November, 2016
4. Physical VLSI design by Mr. Gaurav Ganeriwal, Application Consultant at Synopsys, 22 November, 2016
5. Optoelectronics by Dr. Oleh Buryy, Associate Professor, Lviv Polytechnic National University, Ukraine on 27 November, 2016
6. Photonics by Dr. Sergii Ubizskii, Professor, Lviv Polytechnic National University, Ukraine on 28 November, 2016
7. Invited talk on the topic "Using Physics and Psychophysics concepts to understand biology and human perception" by Prof. Jesus Eduardo Lugo, University of Montreal, Canada on 31 December 2016.
8. Opportunities for teachers to design Labs by Dr. Surendra Pal, Vice- Chancellor Defence Institute of Advanced Technology Pune on 24 January, 2017
9. Applications of Signal processing by Dr. (Ms) Sumam David S. Professor, Dept. of E&C, National Institute of Technology Karnataka, Surathkal, 16 February, 2017
10. Evolutionary concepts in modern digital & data communication by Prof. P. S. Tiwari, Director MBM, Jodhpur on 21 February, 2017
11. Nonlinear optics by Dr. Sigang Yang, SPIE Visiting Lecturer Tsinghua University, China on 17 March, 2017
12. Silicon microring resonator by Dr. Paolo Minzioni, OSA Visiting Lecturer University of Pavia, Italy on 17 March, 2017
13. Free space optics by Dr. Tawfik Ismail, Cairo University, Egypt on 17 March, 2017

14. Light emitting diodes by Dr. Hossam Selmy, Cairo University, Egypt on 17 March, 2017
15. Optical Technologies by Dr. Rim Cherif, OSA Visiting Lecturer University of Carthage, Tunisia 17 March, 2017
16. Brohmos Missile by Prof. S. K. Mishra, 1 July, 2017
17. Cyber Securities by Prof. Sandeep Sharma, 1 July, 2017



Publication in International Journals

1. A. K Singh, Amit Rathi, M Riyaj, G Bhardwaj, PA Alvi "Optical gain tuning within IR region in type-II In0.5Ga0.5As0.8P0.2/GaAs0.5Sb0.5 nano-scale heterostru-cture under external uniaxial strain" Superlattices and Microstructures 98 (2016), Elsevier, June 2017. 0749-6036, 2017.
2. Tarun Kumar Dubey, Pallavi Shrivastava, Karam Veer Singh, "A survey on protocols involving QoS in wireless sensor networks" International Journal of Sensors, Wireless Communications and Control, 2210-3279, 2016.
3. Tarun Kumar Dubey, Rohit Mathur, Dungar Nath Chouhan, "A Comparative Analysis of Learning and Non-Learning Based Algorithms for Localization in Wireless Sensor Networks" International Journal of Sensors, Wireless Communications and Control, 2210-3280, 2016.
4. Shilpi Birla, N.Goel, N.Shukla, "Coverage Driven Vip for Avalon Memory Mapped Interface Using UVM", Indian Journal of Science & Technology, ISSN (Print): 0974-6846, ISSN (online):0974-5645, 2016.
5. Shilpi Birla, "Subthreshold FinFET SRAM at 20nm Technology with Improved Stability and Lower Leakage Power", Indian Journal of Science & Technology, 2017 ISSN (Print) : 0974-6846, ISSN(online):0974-5645, 2016
9. Neha Singh, Sandeep Joshi, Shilpi Birla, "False Watermark Extraction and Re-watermarking Issues with Image Watermarking Techniques", Indian Journal of Science & Technology, ISSN (Print) : 0974-6846, ISSN (Online) : 0974-5645, 2017.
10. Neetu and V. N. Tiwari, "A Conical Beam Omnidirectional Magneto-Electric Dipole Antenna", Journal of Telecomm-unications and Radio Engineering, 2017. (accepted), 0040-2508, 2017.
11. Neetu, Ganga Prasad Pandey and V.N. Tiwari, "Ultra-wide Band Magneto-Electric Dipole Antenna for Radio Frequency Integrated Circuits", International Journal of Wireless and Mobile Computing, , 2016, 1741-1092, 2016.
12. Neetu, Ganga Prasad Pandey and V.N. Tiwari, "A Novel Magneto-Electric Monopole Antenna for C Band Wireless Applications", Progress in Electromagnetic Research C, 2016, 1937-8718, 2016.
13. Neetu and V. N. Tiwari, "A Novel Magneto-Electric Dipole Antenna for Ku Band", Invertis Journal of Science and Technology, 2016, 2454-7611, 2016.
14. Neetu, Ganga Prasad Pandey, V. N. Tiwari and Sarabjot Singh Marwah, "A Novel Wideband Magneto-Electric Dipole Antenna with Improved Feeding Structure", Advanced Electromagnetics, 2016, 2119-0275, 2016.
16. Neetu, Ganga Prasad Pandey, V. N. Tiwari, "A Novel Ultra-Wide Band Magneto-Electric Dipole Antenna with Cavity Reflector", Progress in Electromagnetic Research C, 2016, 1937-8718, 2016.
19. Neetu, Ganga Prasad Pandey, V.N.Tiwari, "A dual band Magneto-Electric Dipole Antenna", International Journal in Electrical Engineering and Informatics, 2085-6830, 2016.
20. Neetu, Ganga Prasad Pandey and V. N. Tiwari, "An overview of Mageto-elecric dipole antenna feed design", International Journal of Advanced Engineering Management and Sciences, 2454-1311, 2016.
21. Harsha Garua, Keshav Sharma and Chusen Duari, "Verification of AMBA AXI Bus Protocol implementing INCR and WRAP burst using System Verilog", International Journal of Research in Engineering and Technology (IJRET), 2319-1163, 2016.
23. Lokesh Garg, "Variability Aware Transistor Stack Based Regression Surrogate models for Accurate and Efficient Statistical Leakage Estimation", Microelectronics Journal, Elsevier, 2017, 0026-2692, 2017.
24. Neetu, Ganga Prasad Pandey and V.N. Tiwari, "Design of Circularly Polarized Planar Magneto-Electric Dipole Antenna", Progress in Electromagnetic Research C, 1937-8718, 2016.

25. Amit Kumar Garg, Vijay Janyani, "Resilient, bandwidth scalable and energy efficient hybrid PON architecture", Telecommunication System (2017), Springer., 1018-4864 (Print) 1572-9451 (Online), 2017.
26. Shashikant Sharma, Basanta Bhowmick, Vipin Pal, C. Periasamy, "Electrical and Methanol Sensing Characteristics of RF Sputtered n-ZnO/p-Si Heterojunction Diodes", IEEE Sensors Journal, 1530-437X, 2017.
27. Shashikant Sharma, Tarun Varma, K. Asokan, C. Periasamy, Dharmendar Boolchandani, "Annealing Tempe-rature Dependent Structural and Optical Properties of RF Sputtered ZnO Thin Films", Journal of Nanoscience and Nanotechnology, 1533-4880, 2017.
28. Shashikant Sharma, A Sumathi, C Periasamy, "Photodetection Properties of ZnO/Si Heterojunction Diode: A Simulation Study", IETE Technical Review, (ISSN 02564602, 09745971), 2017.
29. R. Singh, P. Kumari, S. Rawat, P. Singh and K. Ray, "Design and Performance Analysis of Low Profile Miniaturized MSPAs for Body Centric Wireless Communication in ISM Band", International Journal of Computer Information Systems and Industrial Management Applications, 2150-7988, 2017.
30. A.P. Kumar, R. Roy, S. Rawat and P. Sudhakaran, "Continuous Telugu Speech Recognition through Combined Feature Extraction by MFCC and DWPD Using HMM based DNN Techniques", International Journal of Pure and Applied Mathematics, 1311-8080, 2017.
31. P. Singh, K. Ray and S. Rawat, "Nature Inspired Sunflower Shaped Microstrip Antenna for Wideband Performance", International Journal of Computer Information Systems and Industrial Management Applications, 2150-7988, 2016.
32. S Toshniwal, S. Sharma, P. Singh, S. Rawat and K. Ray, "Design and Analysis of Rectangular Microstrip Antenna with Defective Ground for UWB Applications", Journal of Network and Innovative Computing, 2160-2174, 2016.
33. A. P. Kumar, R. Roy, S. Rawat, A. Sharma, A. Chaurasia, "Telugu Speech Features Extraction by MODGDF and MFCC using Naive Bayes Classifier", International Journal of Control Theory and Applications, 0974-5572, 2016.
34. L. Jain, R. Singh, S. Rawat and K. Ray, "Stacked Arrangement of Meandered Patches for Biomedical Applications", International Journal of System Assurance Engineering and Management, 0975-6809, 2016.
35. K. Vaibhav, S. Rawat, A. K. Yadav, S. Singh and S. Shekhawat, "Texture Feature Extraction and Classification Using Radial Basis Function for Diagnosis of Brain Tumour", Far East Journal of Electronics and Communication, 0973-7006, 2016.
36. Nikhil Deep Gupta, Dr. Vijay Janyani, "Lambertian and Photonic Light Trapping Analysis with Thickness for GaAs Solar Cells based on 2D Periodic Pattern", IET-Optoelectronics, 1751-8776,2017.
37. Nikhil Deep Gupta, Dr. Vijay Janyani, "Analysis of Light Trapping in thin film GaAs solar cells using 2D Photonic Crystal Structures at front surface", IEEE Journal of Quantum Electronics, 0018-9197, 2017.
38. Nikhil Deep Gupta, Dr. Vijay Janyani, Dr. Manish Mathew, "Light trapping in p-i-n superlattice based InGaN/GaN solar cells using photonic crystal", Optical and Quantum Electronics, 0306-8919, 2016.
39. Nikhil Deep Gupta, Dr. Vijay Janyani, "Simulation and analysis of the absorption enhancement in p-i-n InGaN/GaN solar cell using photonic crystal light trapping structures", Optical Engineering, 0091-3286, 2016.
40. Nikhil Deep Gupta, Dr. Vijay Janyani, "Design and Optimization of Efficient Photonic Crystals Diffraction Grating based Light Trapping Structure for GaAs Thin Film Solar Cell", Journal of Nano-electronics and Optoelectronics, 1555-1318, 2016.
41. Prashant Povel Dwivedi, Pavan Kumar, Hee Joo Choi, Myoungsik Cha "A diffraction study of duty-cycle error in ferroelectric quasi-phase-matching gratings with Gaussian beam illumination" In Applied Physics B-Laser and Optics (2016).

Publication in International/ National Conferences

1. A K Singh, Amit Rathi, M Riyaj, K Sandhya, G Bhardwaj, PA Alvi, "Wavefunctions and optical gain in Al 0.8 Ga 0.2 As/GaAs 0.8 P 0.2 type-I QW-heterostructure under external electric field", International Conference on Computer, Communications and Electronics (Comptelix) , IEEE, 2017.
2. M Riyaj, A K Singh, Amit Rathi, PA Alvi, "Optical Properties of Type-I GaAsP/AlGaAs Nano-Heterostructure Under External Uniaxial Strain", 61st DAE Solid State Physics Symposium, (online proceedings in American Institute of Physics-AIP) ,KIIT University, Bhubaneswar, Odisha, December 26-30, 2016.
3. R Suvalka, S Agrahari, A Rathi, "Amit Rathi, Design

planner microsrtip antenna for wireless and Lower UWB applications using DGS", Second IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2016).

4. Mr. Rohit Mathur, Mr. Dungar Nath Chouhan, "Localization Independent Aspects of Topology Control in Wireless Sensor Networks", International Conference on Optical & Wireless Technologies (OWT2017), 2017.
5. S.S. Sengar, P. Singh and H. Chaudhary, "Crop growth and productivity monitoring using remote sensing data at sub-pixel level", Rajasthan Science Congress, RSC-2016, 15-17 October 2016, Jaipur (India).
6. Sengar S.S., Ghosh S. K., Kumar A. and Chaudhary H., "Earthquake damage characterization and identification using noise clustering with entropy technique", GIS and Remote sensing annual scientific forum, GRASF-2017, 6-8 March 2017, Dubai.
7. R. Singh, P. Kumari, K. Ray, P. Singh and S. Rawat, "Novel Miniaturized Microstrip Patch Antenna for Body Centric Wireless Communication in ISM Band", International Conference on Soft Computing Theories and Applications (SoCTA-2016), 28-30 Dec. 2016.
8. P. Singh, R. Doti, J. E Lugo, J. Faubert, S. Rawat, S. Ghosh, K. Ray and A. Bandyopadhyay, "Frequency Fractal Behaviour in the Retina Nano Centre- Fed Dipole Antenna Network of a Human Eye", International Conference on Soft Computing Theories and Applications (SoCTA-2016), 28-30 Dec. 2016.
9. P. Singh, R. Doti, J. E Lugo, J. Faubert, S. Rawat, S. Ghosh, K. Ray and A. Bandyopadhyay, "DNA as an Electromagnetic Fractal Cavity Resonator: Its Universal Sensing and Fractal Antenna Behavior", International Conference on Soft Computing Theories and Applications (SoCTA-2016), 28-30 Dec. 2016.
10. U. Keshwala, S. Rawat and K. Ray, "Compact Half Hexagonal Monopole Planar Antenna for UWB Applications", International Conference on Soft Computing Theories and Applications (SoCTA-2016), 28-30 Dec. 2016.
11. P. Singh, R. Doti, J. E Lugo, J. Faubert, S. Rawat, S. Ghosh, K. Ray and A. Bandyopadhyay, "Biological Infrared Antenna and Radar", International Conference on Soft Computing Theories and Applications (SoCTA-2016), 28-30 Dec. 2016.
12. S. Toshniwal, T. Mukherjee, P. Bijawat, S. Rawat and K. Ray, "Design and Analysis of Fabricated Rectangular Microstrip Antenna with Defected Ground Structure for UWB Applications", International Conference on Soft Computing Theories and Applications (SoCTA-2016), 28-30 Dec. 2016.
13. A. P. Kumar, R. Roy, S. Rawat, R. K Gupta, A. Chaurasia and A K Yadav, "Telugu Speech Recognition using Combined MFCC, MODGDF Features Extraction techniques and MLP, TLRN Classifiers", International Conference on Soft Computing Theories and Applications (SoCTA-2016), 28-30 Dec. 2016.
14. A. P. Kumar, R. Roy, S. Rawat, R. Chaturvedi, A. Sharma, and C. S Kumar, "Speech Recognition with Combined MFCC, MODGDF, ZCPA Features Extraction techniques using NTN and MNTN Conventional Classifiers for Telugu Language", International Conference on Soft Computing Theories and Applications (SoCTA-2016), 28-30 Dec. 2016.
15. U. Keshwala, S. Rawat and K. Ray, "Compact Olympic Ring shaped Planar Antenna for K band Applications", International Conference on Optical and Wireless Technologies (OWT-2017), 18-19 March 2017.
16. S. Birla, Shikha Sharma, N.K.Shukla, "UVM-Powered Hardware/Software Co-verification", International Conference on Smart Technologies in Computer and Communication (SmartTech-2017).
17. Prashant Povel Dwivedi, "A Diffraction Study of Ideal Gratings (Amplitude and Phase) with Uniform Beam Illumination", computational electronics and nanotechnology (cent)-2016.
18. Suddhendu Das Mahapatra, "Optimization of Spectrum Sensing Period to Maximize Spectrum Opportunity for Cognitive Radio", Recent Trends in Electrical and Electronics & Communication Engineering (RTEECE16).
19. Neetu, Ganga Prasad Pandey and V. N. Tiwari, "A New Wideband End-Fire Magneto-Electric Dipole Antenna", Asia Pacific Microwave Conference, 5-9 December 2016.
20. Neetu, "Energy Harvesting Microwave Antennas for Wireless Sensor Network", National Workshop on Computational Electronics and Nanotechnology, Manipal University Jaipur, 11-12 November, 2016.
21. Deepika Bansal, Singh B. P., Kumar A., "Low-Power Stack Contention-Alleviated Precharge Keeper using Pseudo Domino Logic", ICCDN 2017, IEEE, SMIT, Sikkim.
22. Singh B. P., Kumar A., "Low-Power Stack Pseudo Domino Logic using Contention-Alleviated Precharge Keeper", InCITe 2016, IEEE, Amity University Noida.
23. Deepika Bansal, Ashish Vijay, "32nm Ternary Content Addressable Memory (TCAM) cell with a Leakage

Reduction Technique", ICCDN 2017, IEEE, SMIT, Sikkim.

24. Ashish Vijay, "32nm Ternary Content Addressable Memory (TCAM) cell with a Leakage Reduction Technique", ICCDN 2017, IEEE, SMIT, Sikkim.
25. Rohit Mathur, "Localization in Wireless Sensor Networks: A Survey", Thirty First National Convention of Electronics & Telecommunication Engineers and National Seminar on "Electronics and Telecommunication Engineering For Sustainable Development: 03 -04 October 2016.
26. Ashish Vijay, Gopinath Pillai, "Stable type-2 fuzzy logic control of TCSC to improve damping of power systems", International Conference on Computer, Communications and Electronics (Comptelix), IEEE 2017.
27. Amit Kumar Singh, Md. Riyaj, Amit Rathi, "Wave Functions and Optical Gain in Al0.8Ga0.2As / GaAs0.8P0.2 type-I QW Heterostructure Under External Electric Field", computational electronics and nanotechnology (cent)-2016.
28. L. Garg and V. Sahula, "Accurate and Efficient Estimation of Dynamic Virtual Ground Voltage in Power Gated Circuits", 29th International Conference on VLSI Design and 2016 15th International Conference on Embedded Systems (VLSID), Kolkata, 2016, pp. 252-257. doi: 10.1109/VLSID.2016.64, 2016.
29. Pallavi Yarde, "An Energy Efficient Protocol for Wireless Sensor Network", International Conference in Commu-nication, Devices and Networking (ICCDN-2017), 2017.
30. G. Singh and M Tiwari, "Photonic Integrated Devices and Systems: Technology for Next Generation Telecom Networks", Telecommunications: Theory and Technology, Samara, Russia, 2016.
31. S Vyas, T Tanabe, M Tiwari, G Singh, "Mid-infrared supercontinuum generation in Ge 11.5 As 24 Se 64.5 based chalcogenide photonic crystal fiber", IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI), LNMIIT Jaipur, 2016.
32. S. Vyas, T. Tanabe, G. Singh, M. Tiwari, Broadband Supercontinuum Generation and Raman Response in Ge 11.5 As 24 Se 64.5 based chalcogenide Photonic Crystal Fiber, IEEE International Conference (ICCTICT-2016).

Companies/Industries visited Electronics and Communication Engineering department for student's placement in the Academic Session 2016-2017

- Appirio
- Edureka (BDE) Global Reach, Intecons Software
- Global Reach
- Gram Power
- Intecons Software
- Mettl
- Roofpik
- Sapient
- Secure Meters
- Societe Generale
- Think & Learn
- Triumph Technologies
- Amazon
- Direct I

Students Achievements:

1. Anshuman Kamboj (Batch 2015-18) has completed first tinkering project "Manipal Information Robot (MIRO)", funded by MUJ May-June 2017.
2. Mr. Ayush Panwar (Batch 2013-17) was awarded for his project "Smart Home Automation" by Intel in Intel innovation Festival 2016. His "Home Automation Project" (based on Intel Galileo boards with advance security and use of MQTT and Eclipse smart home Protocols), was shortlisted among top 70 projects across the country. It was the only Project from Rajasthan State to reach the Finals.



Faculty of Design







In the Faculty of Design (FoD) design has been defined as a triangle of an exploratory, explanatory and logical process that includes creativity and innovation through latest technology. The combination of Design (for communication), Art (for creation) and Science (for innovation) to develop a product, are the foundation of the framework, program and curriculum at FoD. It is committed to the new educational model inspired by the idea of design and innovation as transformative forces in society. It is continuously developing the latest infrastructure to impart professional education.

FoD comprises of two Schools as given below.

School of Architecture & Design (SA&D) runs the Bachelor of Architecture (B. Arch), a five year program, which strives for excellence in architectural education and training for changing socio-cultural aspirations, environmental compulsions, material & technological innovations, the IT revolution and globalization of economies. Intake of this program is 40.

School of Planning & Design (SP&D) offers B.Plan, B.Des (Fashion Design, BFA (Applied Arts) and BSc (Interior Design) programs.

Bachelor of Planning (B. Plan) is multi-dimensional in its scope and is applicable to complex technical and social systems - this is what distinguishes it from other professions related to spatial context. Intake of this program is 40 and duration is 4 years.

B. Des. (Fashion Design) offers research and development based market oriented demanding career in the field of fashion. Development of a distinctive, qualitative, individual style in designing with innovation, understanding of market/client, skill development and technical know-how are the key points of the program. Intake of this program is 40 and duration is 4 years.

Bachelor of Fine Arts (Applied Arts) is an intensive and creative program to serve as an effective educational platform for students to ignite the innovative passion in them and develop them for a highly creative job oriented career. Intake of this program is 40 and duration is 4 years.

B. Des (Jewellery Design) aims to prepare professionals to work on technicalities of jewellery design, production, quality control, promotion, branding and management. Intake of this program is 20 and duration is 4 years.

Bsc (Interior Design) involves creation of objects that influence the living habitat and workspace around humans. The program provides an integrated approach to the design of spaces redefining the boundaries of human lifestyle. Intake of this program is 60 and duration is 3 years.

Activities

"Foundation Day Celebration" of Faculty of Design in October every year.

- 'Darpan' – A student's magazine is published regularly.
- INTACH Membership to connect students with the rich heritage of Rajasthan.

New programs, labs or initiatives started:

- Launch of IGBC Students' Chapter with Manipal University Jaipur in 2016 to inspire, instill and imbibe 'Green' approach for a sustainable tomorrow.
- MoU between School of Architecture and Design (SA&D), Manipal University Jaipur with L'Ecole Bleue, School of Global Design at Paris, France in 2016 to exchange faculty, students and researchers; conduct joint studios, conferences, seminars and workshops; and explore possibilities of participation in projects and activities in either countries.



Bachelor of Architecture (B.Arch) Program

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr Madhura Yadav	Director – School of Architecture and Design	Sustainability in Cities and Buildings, Architecture – Ecology Interface
2.	Ar Sunanda Kapoor	Professor	Climate Responsive Architecture, Development of Peri-urban Areas
3.	Ar Siddhartha Koduru	Associate Professor	Micro-generation and Energy Sustainability
4.	Ar Swati Dutta	Associate Professor	Design Pedagogy, Environmental Planning and Sustainable Urban Design Strategies
5.	Ar Manjari Rai	Associate Professor	Architectural Design and Urban Planning
6.	Ar Sneh Singh	Associate Professor	Interior Design, Building Services and Signage
7.	Ar Neha Saxena	Associate Professor	Architectural Conservation
8.	Ar Bibhu Kalyan Nayak	Assistant Professor	Environmental Sustainability and Evolution of Indian Building Forms
9.	Ar Bineet Chhajer	Assistant Professor	Building Materials, Construction, Services and Landscape Architecture
10.	Er Siddhant Walia	Assistant Professor	Project Management and Building Structures
11.	Ar Manish Sharma	Assistant Professor	Urban Planning (Transportation Planning)
12.	Ar Vaibhav Kulshrestha	Assistant Professor	Architectural Design and Urban Planning
13.	Ar Jivantika Satyarthi	Assistant Professor	Architectural Design and Urban planning
14.	Ar Akshay Gupta	Assistant Professor	Architecture and Urban Design
15.	Ar Raunak Prasad	Assistant Professor	Urban Planning (Housing)
16.	Ar Meenu Chaudhary	Assistant Professor	Urban Planning (Non-Motorised Transport)
17.	Ar Prakriti Saha	Assistant Professor	Architecture and Urban Design
18.	Ar Anil Kumar	Assistant Professor	Building Engineering and Management
19.	Ar Mohd.Nauman Nizamuddin	Assistant Professor	Hospital Planning

Allied Faculty

S.NO.	Name of Faculty	Designation	Specialization
1.	Mr Anant Kumar Ozarkar	Professor and Head – Department of Design	Applied Arts, Basic Design, Visual Arts, Illustration, Design and Advertising
2.	Mr Arun Poonia	Assistant Professor	Communication Skills

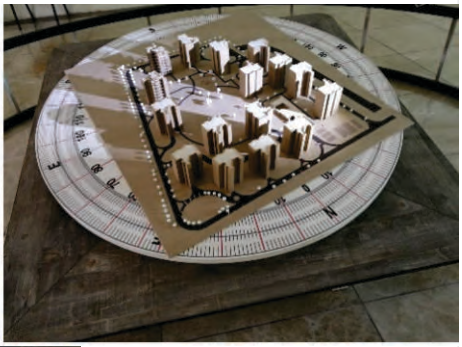
Visiting Faculty

S.NO.	Name of Faculty	Designation	Specialization
1.	Ar Shamini Shankar	Practicing Architect, Jaipur	Architectural Design
2.	Ar Anil Bharaya	Practicing Architect, Jaipur	Architectural Design
3.	Ar Anshuman Sharma	Practicing Architect, Jaipur	Architectural Design

R & D Activities

Installation of HELIODON to understand the type and size of shading devices for climate responsive buildings. Project initiated by Prof (Dr) N K Garg and Prof (Dr) Madhura Yadav under the leadership of Prof (Dr) Sandeep Sancheti, President, MUJ and installation led by Prof Sunanda Kapoor and Ar Vaibhav Kulshrestha.





Student Activities

- Third year architecture students' study visit to understand steel structures on 30 September 2016
- ZONASA 2016 at Manav Rachna International University Faridabad from 2 to 5 November 2016
- Study tour to Mahabaleshwar, Pune & Lavassa from 25 February - 5 March 2017
- Study to tour to Historical Buildings of Jaipur on 5 November 2016.
- Study tour to Ahmedabad, Dholavira & Patan, Gujarat from 25 February - 3 March 2017.
- Students of 3rd year participated in National Competition “Transparence” on 8-14 February 2017
- Second year Architecture Students' study visit to Ambar Villas & Marigold Hotel on 11 February 2017










Awards and Achievements

- School of Architecture & Design is a recipient of Asia Pacific Global Award 2017
- School of Architecture & Design ranked 2nd in the Category of Excellence by Global Human Resource Development Centre Pvt. Ltd. in 2017
- Prof (Dr) Madhura Yadav is a recipient of Asia Pacific Global Award 2017 and Distinguished Faculty in Architecture Award 2017
- Prof (Dr) Madhura Yadav acted as a Jury Member for selecting Designs for the Competition 'Shani Shinganapur Parisar Development', Maharashtra.

Papers Published / Presented

1. Prof (Dr) Madhura Yadav & Ionna Gabriea Simion published a paper in Jan 2017 titled "Analysis of Natural Ventilation Systems in Heritage Buildings: A case study of Hawa Mahal Jaipur, India" in Journal of Indian Institute of Architects (JIIA) – ISSN No. 0019-4913.
2. Prof Sunanda Kapoor published a paper titled "Natural Hazard Management in Traditional and Vernacular Architecture" in the proceedings of AGORA - 1st International Conference on Disaster and Risk Management at School of Architecture & Planning, G.D. Goenka University on 11th November 2016 – ISBN No. 978-93-86256-12-6.
3. Prof Sunanda Kapoor published a paper titled "DISASTER RISK MANAGEMENT PLAN FOR MUSEUMS: A Case Study of Government Museum, Sector 10, Chandigarh" in the proceedings of AGORA - 1st International Conference on Disaster and Risk Management at School of Architecture & Planning, G.D. Goenka University on 11th November 2016 – ISBN No. 978-93-86256-12-6.
4. Prof Sunanda Kapoor presented a paper titled "Managing the impact of Urban sprawl on Peri-Urban Areas of Chandigarh" at International Conference on Sustainable Built Environment' 17 (SBE 2017) at Department of Architecture and Planning, IIT Roorkee from 03rd-05th February 2017.
5. Ar Swati Dutta presented a paper titled "Multi-criteria Approach for Assessing Neighbourhood Environmental Quality – A way towards future sustainable development of Indian Cities" at International Conference on Sustainable Built Environment' 17 (SBE 2017) from 03rd-05th February 2017 at Department of Architecture and Planning, IIT Roorkee.
6. Ar Swati Dutta presented a paper titled "Density and Neighborhood Environmental Quality – A Comparative Study in the context of Indian Cities" at National Conference on Urban Environmental Management in India: Problems and Prospects from 13th–14th February 2017 at Department of Architecture, MNIT Jaipur. Paper published in SPECIAL ISSUE of International Journal on Emerging Technologies – ISSN No. 0975-8364.
7. Ar Siddhartha Koduru presented a paper titled "Decision tool to define choice of Micro-generation Retrofit for Indian Households – A Conceptual

Framework" at National Conference on Urban Environmental Management in India: Problems and Prospects from 13th–14th February 2017 at Department of Architecture, MNIT Jaipur. Paper published in SPECIAL ISSUE of International Journal on Emerging Technologies – ISSN No. 0975-8364.

8. Ar Sneh Singh & Er Siddhant Walia presented a paper titled "Refurbishment of Signage and Way finding systems - Case study of Urban Spaces of Jaipur" at National Conference on Urban Environmental Management in India: Problems and Prospects from 13th–14th February 2017 at Department of Architecture, MNIT Jaipur. Paper published in SPECIAL ISSUE of International Journal on Emerging Technologies – ISSN No. 0975-8364.
9. Ar Vaibhav Kulshrestha published a paper titled "A CONTRAST TO THE TAJ MAHAL: SLUMS OF TAJGANJ, AGRA" in the proceedings of National Conference on Urban Environmental Management in India: Problems and Prospects from 13th–14th February 2017 at Department of Architecture, MNIT Jaipur. Paper published in SPECIAL ISSUE of International Journal on Emerging Technologies – ISSN No. 0975-8364.
10. Ar Raunak Prasad presented a paper titled "Creating Local Awareness for Heritage Conservation: Case of Bundi – the City of Step-wells" in the International Conference on Urban Heritage and Sustainable Infrastructure Development by Department of Architecture, University of 17 Augustus 1945 (UNTAG) Semarang, Indonesia on 10th October 2016 – ISBN No. 978-1537100500.
11. Ar Raunak Prasad published a paper titled "The Contextual Impacts of Mega Events - A Comparative Study of the scales, expenditure patterns and the effects of Kumbh Mela at Allahabad and Nasik" in the International Conference on Urban Heritage and Sustainable Infrastructure Development by Department of Architecture, University of 17 Augustus 1945 (UNTAG) Semarang, Indonesia on 10th October 2016 – ISBN No. 978-1537100500.
12. Ar Mohd. Nauman Nizamuddin presented a paper titled "Urbanization and its Impact on Yamuna River - A case of Jamia Nagar Area" in an International Workshop on Yamuna Water Quality Impact on Human Health & Settlements held at Jamia Millia Islamia University, New Delhi on 6th April 2017.

Seminars and workshops attended by Faculty of architecture

- Ar Sneh Singh, Ar Neha Saxena, Ar Bineet Chhajer, Ar. Siddhant Walia, Ar Vaibhav Kulshrestha, Ar Raunak Prasad, Ar Ruchi Raghuvanshi, Ar Jivantika Satyarthi, Ar Akshay Gupta, Ar Vandana Patel, Ar Manish Sharma, Ar Abhas Verma, Ar Meenu Chaudhary and Ar. Prakriti Saha participated in the workshop on 'Pedagogic & Personal Effectiveness' in the academic year 2016-17 organized by Manipal University, Jaipur.
- Ar Sneh Singh, Ar Neha Saxena, Ar Vaibhav Kulshrestha, Ar Manish Sharma and Ar Abhas Verma participated in a ToT workshop for professors titled 'Thoughtful Cooling' (5th – 7th August 2016) organized by Academic Curricula Integration Program – cBalance Solutions Hub, MNIT, Jaipur.
- Ar Neha Saxena participated in a Heritage Walk on World Tourism Day (27th September 2016) along with B. Arch. Students (Batch 2012-17), Manipal University, Jaipur.
- Ar Neha Saxena participated in a workshop on 'Teaching Design Studios' (6th – 8th April 2017) organized by CPD, CRDF, CEPT University, Ahmedabad.
- Dr Madhura Yadav attended consultation workshop on Urban Development Policy, Urban Water Supply Policy & HRD plan for Urban Governance and Service Level Benchmarking Launch workshop, organized by Centre for Urban Development & Governance , Jaipur on 21 April,2017
- Ar Jivantika Satyarthi attended the first capacity building workshop for INTACH Institutional members by INTACH Heritage Academy (IHA) from 23rd - 26th April 2017 at INTACH, Central Office, Delhi and represented School of Architecture and Design, as one of the institutional members.
- Ar Neha Saxena and Ar. Jivantika Satyarthi attended the Architectural Conservation Hands-on Workshop from 2nd - 4th June 2017 at Ahhichatragarh Fort, Nagaur, Rajasthan: A UNESCO awarded site for architectural conservation.

Seminars, Special Lectures and Workshops Organized by SA&D



17 September 2016
Expert talk on Energy Efficient Buildings and Building Simulation by Dr Jyotirmay Mathur from MNIT, Jaipur.



23-25 September 2016
A three day Landscape Workshop was organized by renowned landscapist Ar Akshay Kaul from New Delhi.



21-23 October 2016
A three day Bamboo Workshop was organized by Ar. Gaurav Sharma from Bangalore.



4 February 2017
The Birla White Yuvaratna NXT Competition was organized in the campus for the 1st Year B Arch students

22 - 23 March 2017
A two day workshop organized on Modulation of Architectural Forms and Elements for second and third year B Arch students by Prof Kishor Rewatkar from P.I.A.D.S, Nagpur



1 April 2017
Expert talk on Professional Practice by Prof Alok Ranjan from MNIT, Jaipur.



6 April 2017
An Origami Architecture Workshop was conducted by Rishabh Wadhwa (4th year B.Arch) for the students of 3rd Year B.Arch.



21 April 2017
Interactive session of the students with eminent architect Dr Anjali Krishan Sharma from New Delhi.



18 May 2017
Prof Rajiv Mishra, Director, Sir J.J College of Architecture, Mumbai applauded the achievements of the school and had an interactive session with the students of Final Year.



Bachelor of Planning (B Plan) Program

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof Pradeep K Pandey	Professor & Director, School of Planning & Design	Urban and Regional Planning
2.	Dr Tej Bahadur	Associate Professor & Head, Department of Planning	Geology
3.	Dr Rachna Gangwar	Associate Professor	Traffic and Transportation Planning
4.	Ar Sidharth Soni	Assistant Professor	Urban and Regional Planning
5.	Mr Sandeep Reddy Banda	Assistant Professor	Housing
6.	Mr Ankur Yadav	Assistant Professor	Urban Planning
7.	Ms Anusha Vaddiraj Pallapu	Assistant Professor	Environment Planning

Visiting Faculty

S.NO.	Name of Faculty	Designation	Specialization
1.	Ms. Sakshi Bansal	Practicing Urban Planner	Urban Planning
2.	Dr. Smriti Ashok	Practicing Urban Planner	Regional Planning

Activities / Achievements of Department of Planning









Research and Development

1. Anusha Pallapu Vaddiraj, Assistant Professor, Dept. of Planning presented a paper on "Constructing Sustainability Indicators and the Process of Assigning Benchmarks for Measuring Sustainability – A Case of Nagpur, India" in International conference on "Future of Cities : Opportunities and Challenges' organised by the Institute of Town Planners, India during 27-28 July at Vigyan Bhawan, New Delhi.
2. Dr Tej Bahadur, Associate Professor, Dept. of Planning published a paper in "Indian Journal of History of Science" on "Sundial for Time–keeping in Jaisalmer Fort".
   (Pandya, A.; Tej Bahadur & Bhattacharya, S. Sundial for Time–keeping in Jaisalmer Fort. Indian Journal of History of Science, 52(2): 138-147.)
3. Dr Rachna Gangwar, Associate Professor, Dept. of Planning published paper in "Transportation Research Procedia" on "Implications of vertical unbundling on Indian Railways: Lessons from German railway reform".
   (Gangwar, R. and Raghuram, G. Implications of vertical unbundling on Indian Railways: Lessons from German railway reform. Transportation Research Procedia 25 (2017) 4529–4543.)
4. Dr Tej Bahadur, Associate Professor, Dept. of Planning attended "35th Meeting of the Astronomical Society of India" from Mar 06 to Mar 10, 2017 organised by "Astronomical Society of India" at B M Birla Planetarium, Jaipur

B.Des (Fashion Design)

B Des (Fashion Design) offers research and development based market oriented demanding career in the field of fashion.
The key points of the programme are the development of a distinctive, qualitative, individual style in designing with innovation, understanding of market/client, skill development and technical know – how.
Intake of the programme is 40.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof Pratibha	Professor	Design Process & Pedagogy Traditional Textiles & Crafts
2.	Deepshikha Sharma	Associate Professor	Textiles
3.	Harshwardhan Soni	Assistant Professor	Pattern Making & Draping
4.	Saurav Sharma	Assistant Professor	History of Art & Culture
5.	Prabhjot Kaur	Assistant Professor	Garment Construction

Allied Faculty

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr. Aparna Makkar	Associate Professor	History of Arts
2.	Dr. Yashoda	Assistant Professor	Communication Skills
3.	Mr. Skand	Assistant Professor	Communication Skills

Visiting Faculty

S.NO.	Name of Faculty	Designation	Specialization
1.	Amit Gehlot	Free Lance Product Designer	Material Explorations
2.	Agat Sharma	Graphic Designer, NIFT Alumni	Design Process, Design Methodology, Fundamental of Design
3.	Manu Joshi	Lifestyle & Accessories Designer, NIFT Alumni	Design Process, Design Methodology, Fundamental of Design
4.	Shruti Vyas	Fashion Designer, NIFT Alumni	Design Process, Design Methodology
5.	Shanu Chitrangalia	Fashion Designer, NIFT Alumni	Design Process, Design Methodology
6.	Manish Goenka	Leather Products Designer	Fashion Illustration
7.	Suresh Parashar	Fine Arts Artist	Drawing & Colour Studies

Student activities:

1. Study Tour to Ahmedabad, Bhuj & Kutch for First year & Second year students from 13th December 16 to 19th December 16
2. Participated in the Fashion Show at St. Xavier's college and won first prize on 16th Jan 17.
3. Study trip to City Palace, Jaipur for First Years on 4th Feb 17
4. Study Trip to Sangam Industry, Bhilwara for 2nd Year students on 4th Feb 17
5. Educational Trip to India Design, New Delhi on 18th Feb 17.
6. Participated in the Fashion Show at JECRC on 8th March 17.
7. Participated in India Beach Wear 2017 from 6th March to 8th March 2017 at Goa.
8. Sponsored & participated in DNA Fashion Show dated 10th March 17 at Hotel Grand Uniara.
9. Participated in Kala Mahotsav which was on held from 3rd -6th April 17
10. Participated and displayed student's work at International Textile & Apparel Trade Fair –VASTRA 2016 on 20th October to 23rd October 16.

Conferences/Workshops/ Seminars organized

1. Three Day Workshop on "Ply Split Braiding" conducted by Mr. Erroll Pires Nelson world known ply-split braider, former faculty member at the National Institute of Design (NID) Ahmedabad dated 29th- 31st Aug 16.
2. Two day workshop on "Button Masala" conducted by Mr. Anuj Sharma, world known Fashion Designer from 17th & 18th Oct 16.
3. One Day Seminar on "Colour" association with Society of Dyers and Colourists on 27th January 17.
4. Sustainable Craft workshop on 'Patwa Jewellery' on 3rd Feb 17.
5. Three- day workshop on 'Wooden Products' from 23rd March 17 to 25th March 17.
6. "First Annual Fashion Show-Showcase 2017" dated 29th May 2017 at Birla Auditorium and its theme was based on current campaign of Government of Rajasthan "Daughters are Precious".

The following Dignitaries/delegates from industry have witnessed and blessed our students on the occasion of our First graduation show "Showcase 17" which was held on 29th May 17

1. Rohit Kamra, Fashion Designer
2. Sundira Ben, Celebrity Make- up Artist
3. Princess Rukmaini Kumari, Chomu Palace
4. Bhawana Jagwani, Social Activist,
5. Alka Batra, Social Activitist
6. Deepali Chug, Celebrity Make Up Artist
7. Jay Shree Periwal, Director,
   Jay Shree Periwal High School
8. Sudhir Kasliwal, Jeweller
9. Dhruv Bhandwal, Fashion Designer
10. Rishi Meglani, Actor

PHOTOGRAPHS OF STUDENTS ACTIVITIES AND EVENTS



DNA Fashion Show, at Hotel Grand Uniara.



Educational Trip to India Design, New Delhi

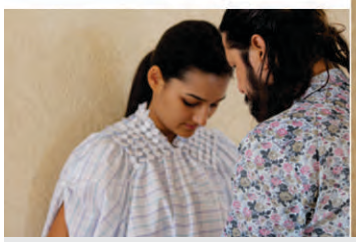


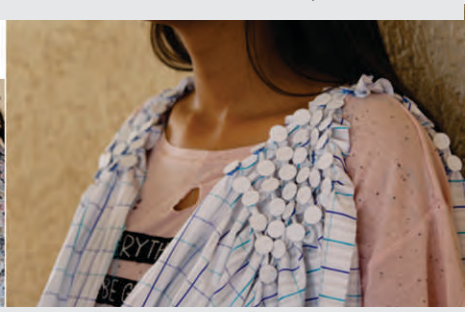
India Beach Wear 2017, Goa





Three Day Workshop on "Ply Split Braiding"
conducted by Mr. Erroll Pires Nelson

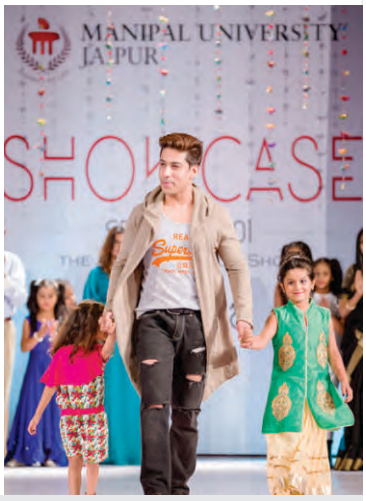




Two day workshop on "Button Masala"
conducted by Mr. Anuj Sharma







"First Annual Fashion Show-Showcase 2017" at Birla Auditorium

Bachelor of Fine Arts (Applied Arts)

The program is supported by well-equipped Photography Lab, Computer Lab, Drawing Studio, Visual Communication Studio, Exhibition area and Audio Visual aided classrooms.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof (Dr) Anantkumar Ozarkar	Professor & Head	Illustration, Basic Design, Visual Arts
2.	Dr Pooja Jain	Assistant Professor	Graphic Design, Visualization, Content Writing
3.	Dr Mahesh Jampala	Assistant Professor	Computer Applications, Photography
4.	Dr Kusum Kanwar	Assistant Professor	Material Exploration, Form Construction, Set Design
5.	Ms. Sherin Mathew	Assistant Professor	Graphic Design
6.	Ms. Shraddha Shukla	Assistant Professor	Illustration

Student Activities

1. Inter-department Poster & Greeting card competition on Independence Day.
   Date- 13th Aug 2016.
2. 2 day workshop on Campaign Planning under the guidance of Prof Ganesh Tayde, Eminent Academician, Mumbai.
   Date-30th Sep – 1st Oct 2016.
3. Participation in 19th Kala Mela 2015 by Rajasthan Lalit Kala Academy at Udaipur.
   Date-17th-21st Nov 2016
4. 3-Day 'Art & Craft' workshop at an NGO at Village Jhalatala, Dist. Alwar.
   Date-24th-26th Dec 2016.
5. 7-Day study tour at Orissa, Kolkata & Shantiniketan.
   Date-8th-15th Jan 2017.
6. Participated in Kala Mahotsav 2017 at JKK, Jaipur.
   Date-2nd-6th April 2017.
7. 2 day workshop on "Advertising and Media Studies" by Prof (Dr) Subhash Y Pawar, Eminent Academician, Pune University, Maharashtra.
   Date-20th- 21st Mar 2017.
8. 2 day workshop on Clay Modelling by Mr. Sunil Deore, Eminent Sculptor, Mumbai.
   Date-31st Mar- 1st Apr 2017.
9. 2 day Workshop on 'Calligraphy' by Mr. Achyut Pallav, Internationally renowned Calligrapher, Mumbai.
   Date-7th- 8th April 2017
10. 10 day 'Painting' Workshop organized by Dept of Fine Arts.
    Date-21st-30th May 2017.
11. Visit to Annual Art Exhibition of College of Art Delhi.
    Date-14th April 2017.



Inter-department Poster & Greeting card competition



Two day workshop on Campaign Planning under the guidance of Prof Ganesh Tayde.



Three-Day 'Art & Craft' workshop at an NGO at Village Jhalatala, Dist. Alwar



Seven day study tour at Orissa, Kolkata & Shantiniketan



2 day workshop on "Advertising and Media Studies" by Prof (Dr) Subhash Y Pawar



2 day workshop on Clay Modelling by
Mr. Sunil Deore, Eminent Sculptor, Mumbai



2 day Workshop on 'Calligraphy' by Mr. Achyut Pallav,
Internationally renowned Calligrapher



10 day 'Painting' Workshop organized by
Dept of Fine Arts Delhi

Papers in Conferences and Publications

1. Dr Maheshchandra Babu Jampala has presented a research paper on the topic "The flip classroom learning on Design Students Performance: An Analysis" in the Global Conference on Business and Social Sciences November 2016 and published in Global Journal of Business and Social Science review Global Academy of Training & Research (GATR) Enterprise.
2. Dr Maheshchandra Babu Jampala along with Ahuja M. has also presented a research paper on the topic "The Seeding Of Aadhar with Bank Accounts In India: An Analysis Of Bank Customers Of Jaipur City", in the International Conference on Applied and Economic Research and has published the paper in International Journal of Applied Business and Economic Research, Serial Publications in December 2016.
3. Dr Kusum Kanwar had presented a paper on " Travelling Performance & Theatre Cultures: Assessing Praxis, Paradigms & Perspectives" in International Conference of Indian Society for Theatre Research held in Muslim University Aligarh, UP from 23-25 January 2017.
4. Dr Pooja Jain has presented a research paper on "New Age, Newer Ways: A critical analysis on Advertising & Generation Bonding in India" in the 3rd International Conference on Arts and Humanities, Bali, Indonesia in Sep 2016.
5. Ms. Shraddha Shukla has presented a paper on "Narrative as a core element of folk arts" in Proceeding of National Conference on Innovation in Visual Arts, Amity University, Noida in 2017.

B.Des (Jewellery Design)

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Ms Ruchi Jain	Associate Professor & Programme Coordinator	Design, Marketing, Business Studies
2.	Ms Megha Kapoor	Assistant Professor	Design, Idea Conceptualization, Gemmology
3.	Ms Sonali Sharma	Assistant Professor	Jewellery Fabrication, Design Entrepreneurship, Gemmology

Allied Faculty

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr Anantkumar Ozarkar	Professor & Head	Applied Arts, Basic Design, Visual Arts
2.	Dr Pooja Jain	Assistant Professor	Graphic Design, Content Writing
3.	Dr Mahesh Jampala	Assistant Professor	Photography
4.	Mrs Shraddha Shukla	Assistant Professor	Illustration
5.	Dr Kusum Kanwar	Assistant Professor	Theatre, Stage Designing
6.	Dr Arpit Kothari	Assistant Professor	Indian Writing in English

Visiting Faculty

S.NO.	Name of Faculty	Designation	Specialization
1.	Mr Shuvankar Biswas	Artist	Realistic Drawing
2.	Ms Shweta Rai	Industry Person	CAD(Computer Aided Designing)
3.	Mr Narendra Jangid	Industry Person	Research & Trend Forecasting

Student Activities:

1. Students of Semester III visited India International Jewellery Show(IIJS) in Mumbai from 04th August 2016 – 09th August 2016.
2. Students of 1st & 3rd Semester visited Jewellers' Association Show in Jaipur on 22nd August 2016.
3. Jewellery Design students of Semester 1st & 3rd visited Design Dhara – Art & Craft Festival in Jaipur on 31st August 2016.
4. 3-Day Workshop on Design Concept by eminent artist Mr Sudip Ray conducted for Year 1 students from 07th September 2016 - 09th September 2016.
5. Workshop on Human Anatomy and Free Hand Sketching under the guidance of Mr Shuvankar Biswas for Year 1 and Year 2 from 23rd September 2016 – 27th September 2016.
6. One day Industry Visit to Chameli Wala Market for jewellery survey by semester 3 students to learn various marketing and promotional methods for selling jewellery.
7. "Belle"….Come, Feel A Changed Persona event organized by Jewellery Design Programme on 06th October 2016. This event was an amalgamation of renowned designers, models, make up artists, stylists and photographers in a casual, dynamic, trendy photo-shoot. This event was in association with Voylla.
8. Glamor-Jewellery Show a part of ONEIROS'16, is being organised by Jewellery Design Department wherein the jewellery designed and fabricated by Year 2 students were displayed through ramp walk on 21st October 2016.
9. Visit to Art Karat Jewellery Exhibition, Jaipur by students of Year 1 & 2 on 16th December 2016.
10. Visit to Market for National and International Jewellery Brands Survey on 04th February 2017 organized for Year 2 Students.
11. One day visit to Jaipur Literature Festival by students of semester 2 & 4 at Diggi Palace, Jaipur on 20th January 2017.
12. 5-days workshop from 27th January 2017 to 01st February 2017 on Lacquer Jewellery by Mrs Manisha Singh for year 1 students.
13. Educational tour to Jaisalmer from 24th February 2017 to 28th February 2017 for Year 1 & 2 Jewellery Design Students.
14. 4-days Workshop on Enamelling Techniques organized for Year II Jewellery Design students from 01st March 2017 to 04th March 2017.
15. 4-days Workshop on Chain Making for Year 1 students from 20th March 2017 to 23rd March 2017.

Workshops/Seminars/Conferences:

1. Ms Sonali Sharma attended Faculty Development Programme organised in MUJ from 10th November 2016 to 12th November 2016.
2. Ms Sonali Sharma successfully completed "Hands-On Workshop" for Dogra Art held at Banasthali Institute of Design from 16th December 2016 to 21st December 2016.
3. Ms Sonali Sharma successfully completed "Microsoft in the Classroom" workshop held in MUJ on 08th March 2017.
4. Ms Ruchi Jain visited India International Jewellery Show from 27th July 2017 to 31st July 2017.

B.Sc. (Interior Design)

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Ar. Richa Jagatramka	Assistant Professor	Craft Process, Collaboration and Design
2.	Ar. Apurwa Agarwal	Assistant Professor	History Theory and Criticism
3.	Ar. Chavi Jain	Assistant Professor	Interior Design
4.	Ar. Ankita Bokhad	Assistant Professor	Building Energy Efficiency
5.	Ar. Sakshi Jain	Assistant Professor	Interior Design
6.	Ar. Anushri Gaur	Assistant Professor	Interior Design

Students Activities

- 1st Year students were taken for photography at Amber Fort.
- 1st year students went for Jaipur city visit and practised live Sketching at City Palace.
- 1st Year students were taken for an Educational Trip to Goa, where they visited famous buildings of the city.






Seminars/Lectures/Workshops

- Interior Design students attended Bamboo Workshop conducted by SA&D at Manipal University, Jaipur.
- 1st Year students attended Achyut Palav's Calligraphy workshop conducted by Fine Arts Department at Manipal University, Jaipur.
- 2nd year students attended Expert Lecture on "Modular Kitchen" by Mr. Yogesh Kumar from Studio PS, Delhi.

Faculty of Arts & Law

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof. Mridul Srivastava	Professor & Dean FoAL	Mercantile Law
2.	Dr. Bhattacharyya T	Professor	Criminal Law
3.	Dr. Vijaylaxmi Sharma	Associate Professor & HoD	Mercantile Law
4.	Dr. Manvinder Singh Pahwa	Associate Professor	Corporate & Financial Law
5.	Dr. Sony Kulshrestha	Assistant Professor	Mercantile Law
6.	Ms. Sunita Singh Khatana	Assistant Professor	Tort and Crime
7.	Ms. Shilpa Rao Rastogi	Assistant Professor	Constitutional Law
8.	Ms. Vini Kewaliya	Assistant Professor	Tort and Crime
9.	Ms. Komal Jain	Assistant Professor	Constitutional Law
10.	Ms. Kanika Dhaka	Assistant Professor	Criminal Law
11.	Mr. Vikram Singh	Assistant Professor	International Law
12.	Ms. Pooja Singh	Assistant Professor	International Law
13.	Ms. Dolly Singh	Assistant Professor	Corporate Law
14.	Mr. Ajay Barnwal	Assistant Professor	Constitutional Law
15.	Ms. Sushila Choudhary	Assistant Professor	Tort and Crime
16.	Mr. Pradeep Kumar	Assistant Professor	Tort and Crime

Award

Pahwa, Manvinder Singh received "Award of Appreciation for distinguished contribution in the field of education and for nurturing young talent" by The Institute of Company Secretaries of India, New Delhi at Principals and Teachers Meet 2016 held on 4th December 2016 at Hotel Holiday Inn, Jaipur.

Publication / Conferences

1. Dr. Vijay Laxmi Sharma 2017 April Sexual Harassment of Working Women at Workplace Research Reinforcement ISSN2348-3857 MUJ.
2. Dr. Vijay Laxmi Sharma Oct.-Dec. 2016 Judicial Interpretation on Economic, Social and Cultural Rights : An Overview Anukriti (An International Refereed Research Journal) ISSN : 2250-1193 MUJ
3. Dr. Sony Kulshrestha May-17 The Various Modes of Raising of Capital by a Public Company International Resesarch of Management & Commerce ISSN :2348-9766 MUJ.
4. Dr. Sony Kulshrestha Feb-17 Corporate Debt Restructuring Under Srategic Debt Restructuring Scheme International Journal of law & Management Studies ISSN:2455-2772 MUJ.
5. Dr. Sony Kulshrestha April 2017 Contemporary Issues Related to Trademark Registration and Passing off Laws in India Journal of the Indian Law Institute ISSN: 0975-0606 MUJ.
6. Dr. Sony Kulshrestha July 2017 Women and Law : Socio- Legal Issues Related to Women Empowrment in India Journal of International Women's Studies ISSN 1559-8906 MUJ.
7. Ms. Sunita Singh Khatana Jul-17 Death Penalty-Methods of Execution: A Comparative Study International Journal of Research ISSN 2348-795X MUJ.
8. Ms. Sunita Singh Khatana Sept. 2016 Capital Punishment In India is Violation of Article 21:An Analytical Study An International Multi disciplinary Research e-Journal ISSN 2350-109X MUJ.
9. Ms. Shilpa Rao Rastogi March, 2017 Transfiguring the laws for transgenders in India International Journal of Research and Analysis ISSN: 2347-3185 MUJ.
10. Ms. Shilpa Rao Rastogi Oct. 2016 Marital rape in Indian legal scenario: Where no is not an option A book - collection of articles, Gender and Violence

ISBN:978-81-931620-0-2 MUJ.

11. Ms. Dolly Singh Sep. 2016 Impact of Climate Change on Human Rights of Indigenous People: A Study International Research Journal on Human resources and Social Sciences ISSN - 2394-4218 Other.
12. Ms. Dolly Singh Nov. 2016 Climate Change and its Impact on Human Rights of Indigenous People : A Study International Research Journal of Human Resources and Social Science ISSN 2394-4218 Other.
13. Pahwa, Manvinder Singh, "Re-diversifying the Diversified – Managing Investment Risk – A Case Study", Management Cases in India – Cases in HR/OB, Finance, Marketing and IT Excel India Publishers, 1 – 5 (ISBN 978-93-85777-95-0)
14. Pahwa, Manvinder Singh and Chauhan Prashant (2017) "An Analysis of Factors Affecting Online Shopping Service Quality", Achieving Corporate Excellence in Changing Times, Excel India Publishers, 63 – 74 (ISBN 978-93-86256-95-9)
15. Bhargava, Monu and Pahwa, Manvinder Singh (2017) "Mutual Fund Industry in India – Issues and Challenges", Achieving Corporate Excellence in Changing Times, Excel India Publishers, 54 – 62 (ISBN 978-93-86256-95-9)
16. Pahwa, Manvinder Singh and Jain Amit (2017), presented a paper "Factors Affecting Box Office Performance", International Conference on Excellence in Research and Education, organized by IIM Indore 4th May 2017 – 7th May 2017
17. Pahwa, Manvinder Singh, chaired a Technical Session – Finance at National Seminar on Achieving Corporate Excellence in Changing Times organized by Jaipuria Institute of Management, Indore 29th April 2017.
18. Pahwa, Manvinder Singh, delivered a Keynote Speech on "Recent Trends and Innovation in Management Research" at National Conference on Recent Trends and Innovations in Science, Technology and Management at Compucom Institute of Technology and Management, Jaipur on 23rd March 2017
19. Pahwa, Manvinder Singh, delivered a keynote address on "Emerging Trends in Corporate Laws : An Outlook" at National Seminar on Legal Environment of Business in Changing Scenario at Five Year Law College at University of Rajasthan, Jaipur on 4th March 2017
20. Pahwa, Manvinder Singh delivered a keynote address in 2nd Technical Session on "Goods and Service Tax – A Road Ahead" at 37th Annual Conference of Rajasthan Economic Association held at Kota University, Kota on 29th January 2017
21. Pahwa, Manvinder Singh, Chaired a Technical Session - Finance and Accounts and delivered Introductory Workshop "Significance of Statistical Packages in Management Research " at 20th International Conference – ACSSBM, Organized by Research Development Association, Jaipur on 24th March 2017

FDP / MDP / Workshops Delivered

1. Pahwa, Manvinder Singh delivered two sessions as Resource Person on Multiple Regression and Logistic Regression at UGC Sponsored Capacity Building Porgramme on Research Methodology and Data Analytical Tools held at Department of Business Administration, Jai Narian Vyas University, Jodhpur from 5th to 7th February 2017.



2. Pahwa, Manvinder Singh delivered a session as Resource Person on "Sutras of Effective Teaching" at Teachers' Training Programme for School Teachers at Seth Tolaram Bafna Academy, Bikaner on 24th November 2016
3. Pahwa, Manvinder Singh delivered eight sessions as Resource Person in two days on "Application of SPSS in Social Science Research" during ICSSR Sponsored Research Methodology Course in Social Science (A Ten Days Programme) on 22nd – 23rd November 2016 at Department of Management, JNV University, Jodhpur.
4. Pahwa, Manvinder Singh delivered four sessions as Resource Person on "Applications of SPSS in Management Research – Bivariate and Multivariate Analysis" at ICSSR Sponsored National Workshop on Capacity Building for Social Science Research Scholars on 22nd June 2017 organized by Department of Banking and Business Economics, Mohanlal Sukhadia University Udaipur.
5. Pahwa, Manvinder Singh conducted workshop on use of MS Excel for Library Staff of Manipal University Jaipur on 19th July 2017
6. Pahwa Manvinder Singh, delivered Management Development Programme for Marketing Executives of Sarar Dairy – Pali on 5th March 2017 at Pali Dairy – A Unit of Rajasthan Dairy Federation Corporation Limited
7. Pahwa Manvinder Singh and Sunny Dawar delivered Management Development Programme for Marketing Executives of Pali Dairy on 22nd May 2017 at Pali Dairy – A Unit of Rajasthan Dairy Federation Corporation Limited.
8. Pahwa, Manvinder Singh delivered "Faculty Development Programme on Data Analysis using SPSS for Civil Engineering" at Poornima University, Jaipur on 21st June 2017.
9. Pahwa Manvinder Singh delivered a session on "Management of Change" at Officers Training Programme for Officers up to Dy.SP Level of Rajasthan Police at Rajasthan Police Academy, Jaipur

Invited TV Talk

1. Pahwa, Manvinder Singh invited for TV talk on "Implication of GST on Economy" in the programme "Court-Kachehari" telecasted Live on Patrika TV at 9.30 pm on 29th March 2017
2. Pahwa, Manvinder Singh invited for TV talk on "Cyber Laws – The Current Scenario" in the programme "Court-Kachehari" telecasted Live on Patrika TV at 9.30 pm on 5th April 2017.





Events Organized (1st August 2016 – 31st July 2017):
2nd Manipal Ranka National Moot Court competition 2016
1-3 October, 2016



Second Manipal Ranka National Moot Court Competition was held on 1-3 October, 2016 in MUJ campus with the collaboration of Ranka Charitable Trust. In this competition 64 teams from all over India had taken participation Hon'ble Justice Pinaki Chandra Ghose, Judge, Supreme Court was the chief guest of this event. He emphasized on the hard work. He said that hard work is required to reach the top.

Special guest of the programme, Hon'ble Justice J. K. Ranka, Judge, Rajasthan High Court stated the need of honesty, ethics, knowledge and dedication in the field of law and its need to be followed by law students and professional.

The programme was presided over by Prof. Sandeep Sancheti, President, Manipal University Jaipur. Dean, Faculty of Art and law, Prof. Mridul Srivastava welcomed all guests with welcome speech and she said 192 students of 64 educational institutes from all states of India are taking part in the Moot Court competition.
Winner team in this competition was CMR Law School, Bangalore.

S.NO.	Date	Activity	Description
1.	28th Jan 2017	Workshop on Cyber Law	Conducted by Mr. Mukesh Choudhary, Head Cyberops Infosec LLP on the following topics of Cyber crime and Cyber Law: • Introduction to Cyber World • Modest propensities of cyber criminals and recent trend • Change in routine crimes due to advancement of technologies • Dependencies of information technology in law Scope of cyber law (for all sems)
2.	4th Feb 2017	Poster making Competition	To make aware the students on various legal issues such as dowry death, child labour, female feticide

S.NO.	Date	Activity	Description
3.	11th Feb 2017	1st Beginners Moot Court Competition	Girl child education, domestic violence, equal pay for equal work etc. (for all sems)
4.	16 & 17 Feb 2017	Researcher's Test	Activity organized by the VI Sem students' for II Sem students. Four high court judges judged the competition. (only for II and VI sem)
5.	Jan-April 2017	Moot Court Screenings for BCI Moot- ICFAI Hyderabad, RGNUL-Patiala, Amity- Jaipur, KG Shah- Mumbai, Jus Causa- Nagpur, Lex loci- Mumbai etc./ Panel selection for iv sem (Note: To be appeared in BCI screening the eligibility was to face the RGNUL or Nagpur screening)	It gives law students an opportunity to focus on a single issue, prepare an in depth written product, and improve their writing. (only for ii and vi sem) Moot Society, SOL sends teams to compete in competitions across the country in a variety of subjects. Competitors, also known as "Mooters," work on teams to write briefs and prepare oral arguments as if they were appearing before an appellate court. (For vi and iv sem)
6.	4th March 2017	Workshop on Consumer Protection	Conducted by High Court Advocate and practitioner in Consumer Forum Mr. Devendra Mohan Mathur to give practical knowledge about Consumer Protection Laws. (for II sem)
7.	7th March 2017	Gully Cricket	(for all sems)
8.	6th April 2017	Debate Competition	On the topic Free Speech & Personal Liberty
9.	14th April 2017	AD-'IT'	versus National Security (for all sems) Extra Curricular Activity to inculcate the habit of presentation (for all sems)
10.	18th April 2017	Volleyball Match	Inter-semester selection match (for all sems)
11.	30th July 2016	Orientation	Dean FoA&L Prof. Mridul Srivastav had taken the session.
12.	11th Feb 2017	Essay writing	Activity organized by school of law
13.	17 & 24 Oct 2016	Essay writing	Activity was organized by School of Law
14.	9 Sept. 2016	Quiz Competition	Activity was organized by School of Law

School of Humanities & Social Sciences

Department of Economics

The Department of Economics at School of Humanities and Social Sciences was established at Jaipur, Manipal University in 2012. It offers programs both at undergraduate and postgraduate level along with PhD in Economics.

The department aims at providing the economics students with theoretical foundation and practical knowledge in the areas of microeconomics, macroeconomics, industrial economics, managerial economics, principles of economic theory, comparative economic systems, money and banking systems, international economics, quantitative analytical methods, applications to specific industries and public policy issues, understanding Indian economy and its system as well as the upcoming fields such as transport economics, environmental economics, energy economics, financial economics, urban and regional economics, etc.

Department Club

Department of Economics started a chapter of Economic Club with the name ' Economic Trivia'.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof Manju Singh	Professor	Development Economics and Gender, Environment
2.	Prof (Dr.) N.D. Mathur	Professor & HoD	Economics
3.	Dr. Mahendra Parihar	Associate Professor	Transport, Infrastructure, Industrial & Agricultural Economics
4.	Dr.K.K.Gaur	Associate Professor	Economics of Education
5.	Dr Aparna Makkar	Assistant Professor	Environmental Economics, Mathematical Economics,
6.	Dr Shilpi Gupta	Assistant Professor	Statistics
7.	Dr Oum Kumari R	Assistant Professor	Energy Economics
8.	Ms. Varuni Sharma	Assistant Professor	Econometrics, Statistics, Microeconomics
9.	Dr. Manas Roy	Assistant Professor	Development Economics, Econometrics, Statistics
10.	Dr. Monika Mathur	Assistant Professor	Law & Economics, Health Economics
11.	Ms Boola Choudhary	Assistant Professor	Energy Economics
12.	Dr. Pallavi Tak	Assistant Professor	Sustainable Development

R&D activities

2. Prof. Manju Singh," Exploring the Dimensions of Image Management using Interpretative Structural Modelling and MICMAC Analysis", published in International Journal of Business Innovation and Research, Olney, Bucks MK46 5WB,UK, 2016.
3. Prof. Manju Singh, "Exploring Enablers and Challenges to Women's Participation in Cooperatives", published by 11th ICA Asia Pacific Regional Cooperative Research Conference, 2016
4. Prof. Manju Singh, "Generating New Venture Ideas: The use of consciousness of Abstracting in Entrepreneurship Education", Published in Springer Nature Singapore Pvt. Ltd., 2016
5. Prof. Manju Singh, "A Brand called You: An Essence of managing your image as an Entrepreneur", published by Springer Nature Singapore Pvt. Ltd., 2016
6. Prof. Manju Singh, "Integrated Framework for Governance of cooperatives: An Interpretative Structural Modelling approach", published in Governance of Cooperatives: Issues and Challenges (Ed) by Vankuth Mehta National Institute of Cooperative Management, 2016
7. Prof. N D Mathur, "Demonetization: A Critical Assessment" Published by Bloomsbury Publishing India Pvt. Ltd. , 2017.
8. Prof. N D Mathur, "Book: Macro Economic Theory (Co-Author)" Published by Shivam Publication ISBN 978-93-84524-29-6, 2016
9. Dr. Mahendra Parihar, "Employment Potential in Road Goods Transport Industry in India", published in Supply Chain Pulse ISSN 0975-7015, Vol 6 & issue 3, 2016.
10. Dr. Mahendra Parihar, "Scarcity of Drivers in Road Goods Transport Industry in India: A Challenge to India's trade at National and International Level", Business Sandesh International Journal of Multidisciplinary Research ISSN 2395-6356, Volume 2 & Issue 1, 2016
11. Dr. Mahendra Parihar, "Effect of Issues in Road Goods Transport Industry on the Growth of A Nation: An Overview of Indian Case", Supply Chain Pulse ISSN 0975-7015, Volume 7 & Issue 4, 2016.
12. Dr. Mahendra Parihar, "Employment Generation and its productivity with Reference to the Road Freight Transportation", published by Conference Proceeding: International Conference organized by SSE, Symbiosis International University, Pune, 2017
13. Dr. Mahendra Parihar, "An Economic Analysis of Financial and Physical performance of Rajasthan State Road Transport Corporation (RSRTC)", published by Conference Proceeding: International Conference organized by PIMR, Indore, 2017.
14. Dr. Mahendra Parihar, "Impact of Deregulation and Issues of Rajasthan State Road Transport Corporation (RSRTC)", published in Conference Proceeding: International Conference organised by JK Lakshmipat University Jaipur, 2017
16. Dr. Shilpi Gupta, "Advanced Practical Statistics" Book under publication by Biztantra publication, New Delhi, 2015

17. Dr. Shilpi Gupta, "Political Economy of Agriculture Development: A Study of Rajasthan Since 1993" under publication with IUP Journal, 2016
18. Dr. Shilpi Gupta, "Economic Growth and Environmental Depletion: A step toward Black hole Scenario", under publication in Elsevier, 2017
19. Dr. Shilpi Gupta, "A strategy designed for Selection using AHP Approach: A study of B-Schools Students' Perception and Hiring of Best Mind", published by IUP Journal of Management Research, ISSN: 0972-5342, vol. XVI, No. 2, 2017
20. Dr. Shilpi Gupta, "A Syllogism of Education, Health & Economic Development: An Assertion for Healthy Development", under publication in Elsevier, 2017
21. Dr. Shilpi Gupta, "Economic Growth or Green Environment: An Unsolved Puzzle of Sustainable Development", published by Taylor & Francis, 2017
22. Dr. Manas Roy, "The impact of economic reforms on Indian agricultural sector - A comprehensive study", Conference proceedings of REA: Sustainable development and inclusive growth: prospect and challenges, ISBN No.- 978-93-5156-173-7 , 2017
23. Dr. Manas Roy, "Skill India: A comprehensive study on the importance of skill development on employment in the second generation reforms in India", Conference proceedings of university of Lucknow: Emerging India and second generation reforms: Policy initiatives, imperatives and implications, 2017
24. Dr. Oum Kumari, "Challenges of Indian Power Sector- A road map for Sustainable Development", published in International Journal of Multi disciplinary Research, vol 12, 2016
25. Dr. Oum Kumari, "Green Buildings, Energy Conservation and Sustainability- A study of Jaipur City", Conference Proceedings of National Conference on Urban Environmental Management in India-Problems and Prospects- MNIT, 2017



Conferences/Seminars/Workshops/ Visits organized:

1. One day Community Outreach Visit: An Implication of Regional Economics (18th November 2016)
2. Discussion Series on 'Demonetization' organized on November 22, 2016
3. Discussion Series on 'Budget 2017-18' was held on February 4, 2017 and 'Impact of Budget with reference to GST, Economy and Start Ups' on February 11, 2017.
4. Intra - University Quiz was organized in a phased manner from October 2016 onwards by Department of Economics Club, 'Economics Trivia' and final Quiz was held on 26 April 2017.

Visitors/invited lectures

1. One Day seminar on "Survival Analysis" (18th January 2017) with Dr. James Lewsey, Reader, Glasgow University, UK
2. Visit of Prof. Ganesh Kawadia under Endowment fund facility (27th July 2017 – 8th August 2017)

Student activities:

students have undergone summer internship program to various institutes in India and abroad during June-July, 2017.

Department of Languages

The Department of Languages at Manipal University Jaipur is committed to the promotion of critical thinking, humanistic values, connectivity amongst cultures and linguistic competence, through its various programmes in the domain of literature and language. It nurtures an international, multi-lingual and interdisciplinary approach towards academics. The faculty members of the department come from diverse and vibrant academic backgrounds, making the department versatile in its approach and function. Special lectures, workshops, and seminars are organized by the Department to ensure updating in the domain for students, research scholars and faculty members.

The BA Honors programme in English prepares students to develop and upgrade their language competence, gain training in critical inquiry and debate, and develop their literary sensibility through courses in Literary Criticism, British Literature, American Literature, Indian Writing, Women's writing, Linguistics and Literature of the Indian Diaspora.

The Ph. D Programme of the Department of Languages caters to research scholars in English and Hindi. Scholars, both regular and part-time, are encouraged to take up cutting-edge researches in socially relevant, interdisciplinary areas of research and in new fields of enquiry. Faculty members are doctoral supervisors on a variety of research topics, drawing on theoretical perspectives ranging from the traditional to the contemporary.

The Department of Languages runs a Certificate programme in German and French courses are taught in different faculties with a view to preparing students for exchange programmes and work opportunities abroad.

Another important function of the Department of Languages is to provide modular language skills and training to students enrolled in different programmes. The department is committed to develop professional standards of communication in students across various disciplines.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof.(Dr) Sudha Rai	Professor & Head	Migration and Diaspora Studies, Postcolonial Literatures, Disability Studies
2.	Prof. Richa Arora	Professor & Director -Admissions	Communication Skills, British Literature, Indian Writing in English
3.	Dr. Priyanka Chaudhary	Associate Professor	Diaspora Literature, Indian Writing in English, Australian Literature
4.	Dr. Rabindra Kumar Verma	Assistant Professor	British Literature, Gender Studies
5.	Dr. Arun Dev Pareek	Assistant Professor	Diaspora Studies, Indian Writing in English
6.	Dr. Yashoda Kumari	Assistant Professor	African Literature
7.	Dr. Gaurav Mathur	Assistant Professor	Literature and Cinema
8.	Dr. Arun Kumar Poonia	Assistant Professor	Multimodal Discourse Analysis
9.	Dr. Arpit Kothari	Assistant Professor	Indian Writing in English
10.	Mr Skand	Assistant Professor	Historical Narratives and Regional Identity
11.	Ms. Atika Srivastava	Assistant Professor, French	French Language
12.	Mr. Hemant Agrawal	Associate Professor-German	German Travel Literature on India
13.	Dr Tanuja Yadav	Associate Professor- French	Teaching Methodologies in French, Francophone Literature

Academic programmes / Student Intake:

B. A. English (Hons.)	: 31 Students
Certificate Course in German	: 55 students
Ph.D. English	: 19 Scholars
Ph.D. Hindi	: 03 Students

Department Activities

1. A lecture on "Fulbright Language Teaching Assistant and Fulbright Scholarship" was organized on 9th August, 2016.
2. A training session was conducted by Educational Testing Services (ETS) on 26th August, 2016.
3. An invited talk and interactive session of Prof (Dr) Jasbir Jain, an internationally acclaimed academician, and former Head, Department of English, University of Rajasthan was organized on 18th November, 2016.
4. A guest lecture of Prof. N K Jain, Dean, School of Humanities and Social Sciences, IIS University Jaipur was arranged on the topic of "'Modernism' on 22 November, 2016.
5. A set of invited talks by renowned experts in the domain of Communication were arranged on 23rd March, 2017.
6. A workshop on "Team Building and Personal Effectiveness" was conducted by a Corporate Trainer, Mr. Anurag Trivedi on 3rd April, 2017.

Conference/symposia/workshops/seminar

1. Prof. Sudha Rai conducted a session on Writing a Research Article and Reading Skills for Research in SHSS Workshop in July 2017.
2. Prof. Sudha Rai was Chairperson in Shakespeare Down the Ages, RASE at K N Modi University Niwai in May 2017.
3. Prof. Sudha Rai was Plenary Speaker in MHRD Global Initiative of Academic Networks (GIAN) Course on Postcolonial, Transnational and World Literatures: Contexts and Approaches at MLSU Udaipur in January 2017.
4. Prof. Sudha Rai was invited speaker at the International Conference on Literature as Cartography of Emotions: Ways of Being and (Be) Longing held at St. Xavier's College, Jaipur.
5. Prof. Sudha Rai was Panelist in the National Conference on Globalization, Communication, Technology and the Teaching of English Literature in English organized by SKIT, Jaipur in March 2017.
6. Dr Priyanka Chaudhary presented a paper in the National Conference on Feministic factor as Shakti Tattva in Ruth Prawer Jhabvala's select Works at Sanskrit University Jaipur in Dec 2016.
7. Hemant Agarwal presented a paper on Didaktik des DaF Unterrichts (Didactics of Teaching German as Foreign Language) in the National Conference organized by Goethe Institute/Max Mueller Bhavan, New Delhi & Indo German Society Jaipur in Nov 2016.
8. Dr Yashoda Verma presented a paper on Conceptualizing Ecological spaces in Adichie's Purple Hibiscus in the International Conference held at Dr. K. N. Modi University, Newai, Tonk in March 2017.
9. Dr Yashoda Verma attended a workshop on Office 365 basics and the usage of Outlook groups held at MUJ in Jan 2017.
10. Dr Arpit Kothari presented a paper on Eco-Ethnicity and Ethical Sensibility: Bishnois of Rajasthan in the International Conference at Dr. K. N. Modi University, Newai, Tonk in March 2017.
11. Dr Arpit Kothari attended a Workshop on Literary Criticism in India: Theory, Practice and Pedagogy held at Central University of Haryana, Mahendergarh in April 2017.
12. Dr Arpit Kothari attended a three day workshop on Interactive Workshop on Developing Research Skills organized by SHSS, MUJ in January 2017.
13. Atika Srivastava attended an FDP on Pedagogic & Personal Effectiveness held at MUJ in Nov 2016.
14. Dr. Arun Dev Pareek co-chaired a session in the International Conference on Emerging Trends in Fitness and Sports Science held at MUJ in Jan 2017.
15. Dr. Gaurav Mathur presented a paper on Interlinking Big Data, Cultural Evolution and Human Language in the National Conference on Applied Science and Humanities in Engineering (ASHE-2016) in Sept 2016.
16. Dr. Gaurav Mathur presented a paper on Aligning Gender and Spatiality in Select James Bond Movies in the International Conference on Gendered Urban Spaces: Narratives of Self-Possession held at IIS University, Jaipur in February 2017.
17. Dr. Gaurav Mathur presented a paper on From The Age of Reason to the Age of Nonsense: Understanding Neil Postman in the International Conference on Media Construction of Reality held at Manipal University, Dubai in May 2017.
18. Dr. Arun Kumar Poonia attended the National Workshop on Outcome Based Learning Using Pedagogy Framework Model at BITS, Pilani in Nov 2016.
19. Dr. Arun Kumar Poonia presented a paper on A Statistical Analysis of Print Advertisements Appearing on the First Page of Selected Indian Newspapers in the Silver Jubilee International Conference on Interdisciplinary Mathematics,

Statistics and Computational Techniques (IMSCT 2016- FIM XXV) in Dec 2016.

20. Dr. Arun Kumar Poonia presented a paper on Indian Tourism Advertising and Promotion: An Area Awaiting Academic Research and Study in the 7th India International Hotel, Travel & Tourism Research Conference, New Delhi (IIHTRC- 2017) at Banarsidas Chandiwala Institute of Hotel Management & Catering Technology, Kalkaji, New Delhi in Feb 2017.
21. Dr. Arun Kumar Poonia presented a paper on Studying the Dynamics of the Symbiosis of Print Newspapers and the Advertisers: A Content Analysis of First Page Advertisements in Top Indian Newspapers in International Conference on Evidence Based Management in March 2017.
22. Dr. Arun Kumar Poonia presented a paper on India and Bharat, United or Divided in English Classrooms through the Common NCERT Syllabus? in the National Conference by Department of Education in Languages NCERT, New Delhi in March 2017.

Publications:

1. Leaders are Born or Created; An Analysis of Leadership Development Programmes; Richa Arora, International Research Journal of English Studies/ 4.1 ISSN: 2347-3479
2. Beyond Ethics, Priyanka Chaudhary, The IIS University Journal of Commerce & Management, ISSN 2320-4907, Vol 4 Issue 1
3. Does Literature help EFL Learners to Improve Language? Priyanka Chaudhary, International Journal of Scientific & Engineering Research, ISSN 2229-5518, Volume 7, Issue 5
4. Different Faces of English: Teaching Business English, Rabindra verma in The ELT Practitioner, ISSN: 2349215, pp 1-8.
5. Altaf's 'Amchi Mumbai': No God in Sight, Arpit Kothari in Voices (ISSN 2230-875X) (UGC Journal No. 49179) Volume 7: Number 1. March-April 2017. Special Issue: Cityscapes. PP 32-40



Department of Psychology

The Department of Psychology was established in August 2012 and is a part of School of Humanities and Social Sciences. The department has faculty with specializations in Social Psychology, Clinical Psychology, Positive Psychology, Environmental Psychology, Vocational and Counselling Psychology, and I/O Psychology. The department has a well-equipped laboratory with psychological tests and experimental apparatus which forms a base for any psychological laboratory. The laboratory also has a biofeedback section that is used to train the students on biofeedback therapy. The department actively engages itself in activities all throughout the year such as annual mental health week events, guest lectures, workshops, seminars and conferences. Eminent resource persons are invited for the workshops, seminars and guest lectures organized by the department. Department also organizes educational visits to impart practical knowledge to the students to develop expertise in the subject.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof.(Dr.) Geetika Tankha	Professor & Head	Applied Psychology, Positive Psychology, Clinical Psychology
2.	Dr. Meenakshi Joshi	Assistant Professor	Vocational & counselling Psychology
3.	Dr. Charu Dhankar	Assistant Professor	Health, Clinical, Abnormal Psychology
4.	Dr. Gargi Sharma	Assistant Professor	Social & Positive Psychology
5.	Dr. Kriti Vashishtha	Assistant Professor	Social, Organizational, Counselling Psychology, Sports Psychology
6.	Dr. Prashasti Jain	Assistant Professor	Industrial, Positive and Applied Psychology
7.	Ms. Bhawna	Assistant Professor	Cognitive & Clinical Psychology
8.	Dr. Kakul Hai	Assistant Professor	Social and Positive Psychology
9.	Ms. Tanushree Bhargava	Assistant Professor	Clinical Psychology and Neuropsychology

Academic Programs

The department offers programs at undergraduate, postgraduate, and doctoral levels.

- BA/BSc. Hons. Psychology
- PhD.

Significant Awards & Achievements

- Best Paper awarded to Dr. Geetika Tankha at the 51st International Conference organized by Indian Academy of Applied Psychology, for the paper entitled "Personality and Emotional Intelligence as Correlates of Environmental Concern in College Students."
- Best Paper awarded to Ms. Aalvi Srivastava, student of BA Hons. Psychology Final Year, at the 1st Manipal Student Research Colloquium, 2017, organized by Manipal University Jaipur, from 17th to 18th March, 2017, for the paper entitled "The relationship of emotional intelligence and resilience with life satisfaction and well-being in secondary school-going adolescents"
- 1st PhD in the Department of Psychology was awarded to research scholar Ms. Jyotika Sharma in the 3rd Convocation under the supervision of Prof. Geetika Tankha in the area of Adolescent Psychology.
- MOU signed with University of Plymouth under which Christopher Germann, a doctoral fellow of University of Plymouth, completed his 6 months secondment under the supervision of Prof. Geetika Tankha in the area of cognitive psychology. The title of study was- Non-commutativity in perceptual judgements: A quantum-cognition perspective.

Activities organized

- Guest Lecture and interactive session by Prof. L.R. Yagnik, former head, Department of Psychology, Sardar Patel University, Vallabh, Vidya Nagar, Gujarat, on "Research problems and Issues in Social Sciences" on 12th September 2016.
- World Mental health Day 2016, the annual event was celebrated from 6th to 8th October, 2016. The activities included debate and collage making competitions for the university students. The students enacted a play on the theme of 'Relationship Resolutions'. The events promoted the awareness amongst the students and faculty about the importance of health issues.

- Psychological testing stall for two days 21-22 October 2016 in the Fun Zone section of the annual cultural festival "Oneiros" organized by MUJ.
- On the occasion of Holi festival, the students of Department of Psychology gave a dance performance for Doordarshan, Jaipur, on 8th March 2017 for the purpose of recording of two episodes of Prashnottari - a Quiz show, to be telecasted on 11th, 12th and 13th March 2017.
- Research Seminar presentation by Christopher Germann- A doctoral Fellow from Plymouth University, United Kingdom in the area of cognitive psychology as a part of his secondment under the supervision of Prof. Geetika Tankha. The presentation done for the President, Pro-president, registrar and by deans and directors along with the faculty members and students of the department.

Field Visits:

- An educational visit to Vipassana Centre Jaipur was organized for all the students of the department on 26th September 2016.
- A one-day educational trip to National Brain Research Centre, Manesar was organized by Department of Psychology, Manipal University Jaipur on 7th of March, 2017.

Papers published by Faculty Members:

- Thomas, R.E & Tankha, G. (2017) Big 5 personality and psychological capital among final year medical students. International Journal of Advanced Research, Vol. 5 (1), 1121-1126. ISSN No. 2320-5407.IF- 6.118
- Sharma, S. & Dhankar, C. (2016). The impact of therapeutic technique on grit and locus of control in adolescence. International Journal of Indian Psychology, Vol. 4 (Issue 1, No. 76), 195-206. ISSN No. 2348-5396, IF-3.3
- Sharma, G. & Kaur, G.D. (2017). Emotional regulation and perceptual motor functioning in opioid addicts and non-opioid individuals. Indian Journal of Positive Psychology, Vol. 8 (No. 2), 138-141. ISSN No. 2229-4937.
- Hai, K. (2017). Measuring domestic harmony: A tool for positive family functioning. Indian Journal of Positive Psychology, Vol. 8 (No. 2), 123-131. ISSN No. 2229-4937.

Paper Presented /Session Chaired in Conferences

- Dhankar, C. (2016). "Impact of therapeutic Technique (F.I.R.E) on Grit and Locus of Control in Adolescents" in 3rd International and 5th Indian Psychological Science Congress organized by National Association of Psychological Science – India from 28th-30th September 2016.
- Sharma, G. (2017). "Effect of Emotional intelligence and Role conflict on Life satisfaction" in International conference on Physical Education and Sports Science - Emerging trends in fitness and Sports Science, organized by Department of Physical Education, Manipal University Jaipur from 5th to 7th January 2017.
- Tankha, G. (2017). "Personality and Emotional Intelligence as Correlates of Environmental Concern in College Students". In International conference on Psychology on Building Global Community organized by Indian Academy of Applied Psychology from 23rd to 25th February 2017.
- Tankha, G. (2017). "Psychological interventions in Sport Sciences. Session Chaired in International conference on Psychology on Building Global Community organized by Indian Academy of Applied Psychology from 23rd to 25th February 2017.
- Prof. Geetika Tankha conducted a one-day training session in the department of Anthropology, University of Rajasthan for the field investigators working on a project entitled- Food security and mental health in Jaipur.



Department of Arts

Art is that by which we "art"iculate our lives. The Department of Arts was created in December 2015 under the School of Humanities and Social Sciences, Faculty of Arts and Law. It consists of Philosophy, Physical Education and Political Science, and seeks to enhance and effect the "art"iculation of life in unique and creative ways through its specially designed programs.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof. (Dr.) Anthony Savari Raj	Professor & Head	Philosophy (Intercultural Philosophy)
2.	Dr Rina Poonia	Associate Professor	Physical Education (Sports Psychology)
3.	Dr Pradeep Singh Chahar	Assistant Professor	Physical Education (Exercise Physiology)
4.	Dr Radhika Mohan Gupta	Assistant Professor	Political Science (International Relations)
5.	Dr Divya Agnihotri	Assistant Professor	Political Science (South Asian Studies)
6.	Dr Robin Luke Varghese	Assistant Professor	Philosophy (Philosophy of Mind)
7.	Ms. Poonam Singh	Assistant Professor	Physical Education (Track and Field)
8.	Ms. Swapnil Singh	Assistant Professor	Sociology (Social Stratification)

R&D Activities (publications/workshops/seminars/conferences):

- Savari Raj, Anthony published "Cosmic Confidence in Interreligious Spirituality," The Annals of the University of Bucharest - Philosophy Series, [S.l.], v. 66, n. 1, July 2017. ISSN 0068-3175. Available at: <http://annals.ubfilosofie.ro/index.php/annals/article/view/234>
- Savari Raj, Anthony presented "Comparative Philosophy or Imparative Philosophy? Towards a Feminine Receptivity in Philosophy" at the International Philosophy in the Desert Conference: Comparative Philosophy at the Crossroads: The Possibilities for Comparative Discourse Today, held at American University in Dubai, from April 6-8, 2017.
- Savari Raj, Anthony presented "Imparative Philosophy for Cross-Cultural Times," at the ICPR sponsored National Seminar: Re-Learning to be Human for Global Times: The Cross-Cultural Way, Manipal University Jaipur, 26-27 December, 2016.
- Savari Raj, Anthony completed "TECNICULUTRE," Research Project under Manipal University Jaipur Seed Money Grant, September 2016 to August 2017.
- Savari Raj, Anthony has served as a Team Member in the International Research Project: "The role of Intercultural Encounters in re-learning to be Human for Global Times," Interactive Project developed by CRVP Iasi Center, Romania, 2017-18.
- Poonia Rina, Topic is "Effect of Technology in Physical education and Sports", Vol-I, ISBN No.- 978-93-85449-35-2, page no. 694-697 (2017).
- Poonia Rina, "Copper-Charged water may give relief in cramping during Gestation: a preliminary Study", vol 7 issue 41, ISSN 0976-0997 (2017 April) Thomson Reuters Index.
- Poonia, Rina presented paper, "Health and Fitness" and organized Workshop on Rthymic Dance and Aerobics at Department of Arts (Physical Education), Manipal University Jaipur (Rajasthan), April 2017.
- Poonia, Rina presented paper, "Effect of Strength and Endurance Training on Cardio-Respiratory Endurance" at Olympism for Humanity Restoration Enterprises: Academic Legacy Goals, Scope and Foundations - Towards Tokyo 2020 organized by Manav Rachna International University, Faculty of Applied Science, February 2017.
- Poonia Rina, "Effect of Strength and Endurance Training on Cardio-Respiratory Endurance", vol 3 issue 2, ISSN 2349722x (Dec-2016) Thomson Reuters Index.
- Poonia, Rina presented paper "Recent Trends in Health and Sports" at Science National Olympism Seminar on Inclusivity Sustainability and Development of Sports organized by Indian Trade Fair Academy, August 2016.
- Chahar Pradeep, "Prevalence of Eating Disorder among Adolescents" Volume-III, Proceeding of International Conference on Physical Education and Sports Science (ICPESS), Department of Arts (Physical Education), Manipal University Jaipur (Rajasthan) from 05-07 January 2017; 97-101. ISBN-

9789385447280.

- Chahar Pradeep, "Relationship among Selected Anthropometric and Biomechanical Variables to Hockey Performance" Volume-II, Proceeding of International Conference on Physical Education and Sports Science (ICPESS), Department of Arts (Physical Education), Manipal University Jaipur (Rajasthan) from 05-07 January 2017; 492-494. ISBN-9789385449352.
- Chahar Pradeep, (co-author) "Relationship among Selected Anthropometric and Biomechanical Variables to Hockey Performance" International Conference on Physical Education and Sports Science (ICPESS) sponsored by Ministry of Youth Affairs and Sports, Govt. of India and Department of Science and Technology, Govt. of Rajasthan, organized by Department of Arts (Physical Education), Manipal University Jaipur (Rajasthan) from 05-07 January 2017.
- Chahar Pradeep, (co-author) "Prevalence of Eating Disorder among Adolescents" International Conference on Physical Education and Sports Science (ICPESS) sponsored by Ministry of Youth Affairs and Sports, Govt. of India and Department of Science and Technology, Govt. of Rajasthan, organized by Department of Arts (Physical Education), Manipal University Jaipur (Rajasthan) from 05-07 January 2017.
- Chahar Pradeep, "Comparison of Maximum Voluntary Ventilation and Forced Expiratory Volume among Different Sports" Volume-I, Proceeding of International Conference on Physical Education and Sports Science (ICPESS), Department of Arts (Physical Education), Manipal University Jaipur (Rajasthan) from 05-07 January 2017: 469-475. ISBN-9789385449314.
- Chahar Pradeep "Role of Fatness in Predicting the Cardiovascular Disease Risk Factors" World Applied Sciences Journal, 35 (8), 2017: 1235-1240; 1818-4952. (UGC Sr. No. – 114/33109).
- Jitender Kumar & Chahar Pradeep, "Eating disorder among adolescents: A cause of concern" International Journal of Physical Education, Sports and Health, 2016, Volume 3 Issue 3: 94-97, P-ISSN: 2394-1685, E-ISSN: 2394-1693, IF: 5.38. (UGC Sr. No. – 1391/48567).
- Chahar Pradeep, "Survey of nutritional assessment in relation to waist to hip ratio and waist to height ratio among school going children" International Journal of Physical Education, 2016, Volume 9, Issue 1&2, April & October: 5-9. e-ISSN-0976-7924.
- Varghese Luke, Robin, From Subject to Subjectivity: A Conceptual Shift in the Discourse on Self, Proceedings, Cambridge Scholars, Shaw J, L, (ed.) Society for Philosophy and Culture, Victoria University, Wellington, New Zealand. (Accepted and forthcoming).
- Varghese Luke, Robin,The Self: Naturalism, Consciousness and the First-person Stance by Jonordan Ganeri, Oxford University Press, 2012 in Metapsychology online Reviews October 18th 2016 (Volume 20, Issue 42).
- Varghese Luke, Robin, (2015) Can Autonomy be an Alternative to Consciousness in a Theory of Self? In the International Conference on the Problem of Consciousness and the Brain-Brahman Dichotomy held at Department of Philosophy and Culture, Shri Mata Vaishno Devi University, Katra, Jammu & Kashmir, 27-28 February, 2017.
- Agnihotri, Divya, Nepal and Bhutan - Contrasting Narratives of India's Contemporary Relations with Its Himalayan Neighbours, in Revisiting Nepal's Foreign Policy in Contemporary Global Power Structure (ed.), G.B. Books, New Delhi, 2017, 185-201, ISBN No-9789383930692.

Activities

International Yoga Day held on 21 June 2017 International Yoga Day was celebrated by Manipal University Jaipur on 21 June 2017.

Workshop on Rhythmic Dance & Aerobics held on 18 April 2017

The workshop was organized to give the motivational talk as well as practical exposure for the benefits of Health, Fitness & Wellness. The resource person for the workshop was Prof. Dr. Manika Debnath, from LNIPE, Gwalior.







Workshop on Strength and Conditioning held on 4 January 2017

The objective of the Strength and Conditioning Workshop is to provide a well-designed, collaborative training program based on sound physiological principles and to provide the student athlete with the best "hands on" strength and conditioning program in the Country.

ICPR Periodic Lecture held on 24 March 2017

The lectures, sponsored by ICPR New Delhi explored the link between Law and Morality focusing on Judicial Activism. The speaker of the lecture was Prof. Kusum Jain (Retired Professor of Philosophy, University of Rajasthan and Member, ICPR, New Delhi). Total 80 participants attended the lecture.

Manipal University Jaipur Annual Sports Fest "ABHIVARTA" held on 18-19 February 2017

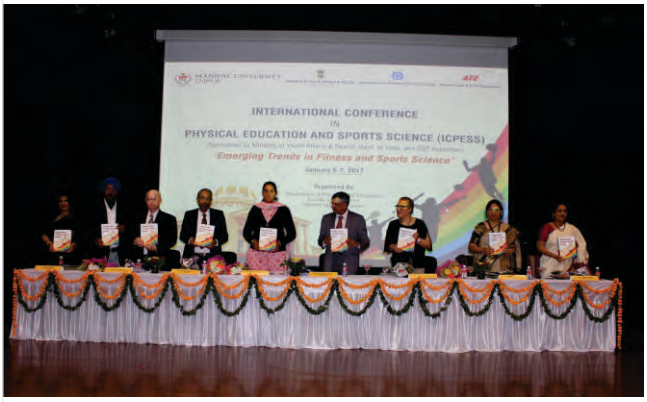
ABHIVARTA is a celebration of all forms of sports and talent. Each year, the Extravaganza is held for two days for the complete showcase of budding talent of the students from all around and the efforts put it in the months before the fest by our University's students. Abhivarta marks the importance of sports and celebrates various forms of sports itself. Participation from various colleges from all over the country is noted. We are sure that some of these sports persons are going to be the torch bearers of our country in the future

International Workshop on Yoga held on 5-7 January 2017

The objective is to improve the life style, self-esteem, team-building mentality, optimism and positive attitude of all participants.

Eminent Persons: Dr. L.N. Joshi and Dr. Sharma was invited to guide the workshop.

International Conference on Physical Education and Sports Science with theme Emerging Trends in Fitness and Sports Science held on 5-7 January 2017



West Zone Inter University Tennis (Women) Tournament 2016-17 held on 21-23 January 2017

The West Zone Inter University Tennis (Women) Tournament 2016-17 was organized by Manipal University Jaipur from 21-23 January 2017. In the tournament, total 19 Universities participated from West Zone.

Result of West Zone Inter University Tennis (Women) Tournament 2016-17:

Position	Name of University
First	H.N. Gujarat University, Patan
Second	Gujarat University, Ahmedabad
Third	University of Mumbai, Mumbai
Fourth	University of Rajasthan, Jaipur



All India Inter University Tennis (Women) Tournament 2016-17 held on 25-28 January 2017

The All India Inter University Tennis (Women) Tournament 2016-17 was organized by Manipal University Jaipur from 25-28 January 2017. In the tournament, total 15 Universities participated from West, North, East, and South Zone.

Result of All India Inter University Tennis (Women) Tournament 2016-17:

Position	Name of University
First	University of Delhi, Delhi
Second	University of Madras, Chennai
Third	Osmania University, Hyderabad
Fourth	Punjabi University, Patiala



Guest Lecture: "Integral Development, Sustainable Flourishing, upholding our World and Regenerating our Mother Earth" held on 24 January 2017

The interactive lecture focused on the idea of sustainability with a special reference to the human-nature interrelation. The lecture was delivered by Prof. Ananta Kumar Giri, from Madras Institute of Development Studies, Chennai. Total 50 participants attended the lecture.

Guest Lecture: "Ecological Citizenship and Ethical Burial" held on 12 January 2017

The lecture dealt with the idea of 'eco-friendly death'. It pointed towards the need for being eco-citizens which transcends the boundaries of traditional 'national' citizenship, on the face of present day environmental crisis. The speaker of the lecture was Prof. William Sweet, from the St. Francis Xavier University, Canada. Total 75 participants attended the lecture



National Seminar: "Re-Learning to be Human for Global Times: The Cross-Cultural Way held on 26-27 December 2016.

The seminar was sponsored by the Indian Council of Philosophical Research (ICPR), New Delhi, and organized in association with CRVP, Washington, DC. A two-day major event due to the relevance of the theme as well as due to the participation of leading thinkers and academics of the field. Focused on 'being human' from wide range of topics and perspectives in the backdrop of cross-cultural challenges. Total 60 participants participated in the seminar.



World Philosophy Day Lecture held on 17 November 2016

The lecture focused on the philosophical significance of the different scientific theories about the evolution of the universe. The Speaker of the lecture was Prof. Augustine Perumalil, (Principal) from St. Xavier's College, Nevta, Jaipur. Total 100 participants attended the lecture.

National Workshop on Multidimensional Research Methods and their application using Statistical Software's held from 10-16 October 2016.

The purpose of the workshop was to comprehend the concepts of Research Methodology and to simplify various statistical techniques and their applicability. To provide the platform for discussion and to simulate & apprehension new approaches in research and assisting the participants in publishing quality research work. It was seven days' workshop with 41 participants.



Diversity and Cross-Cultural Competence at Work Place held on 30 September 2016

The workshop aimed at a discussion of the challenges and opportunities which evolves in the contemporary cross-cultural work places like MNCs. The Resource Person for the workshop was Dr. Vidu Soni, (formerly professor TAPMI MUJ). Total 60 participants participated in the workshop.

National Sports Day held on 29 August 2016: 29th August is celebrated as the 'National Sports Day' in order to give tribute to Hockey player Major Dhyan Chand in the field of sports and it happens to be the birth anniversary of Dhyan Chand, who made India proud by his extraordinary sporting skills. Marathon was organized for fitness purpose and around 600 participants participated in the event. Medal and certificate was provided to top ten position in the marathon.





Visit of Dignitaries & Students' Achievements

Philosophy

Prof. S.R. Bhat, Chairman, Indian Council of Philosophical Research (ICPR), New Delhi, offering a presidential address at the National Seminar: "Re-Learning to be Human for Global Times: The Cross-Cultural Way," organized by the Department of Arts (Philosophy) in collaboration with CRVP, Washington DC, USA, December 26-27, 2016.

Physical Education

Prof. James S. Skinner is a Professor Emeritus in the Department of Kinesiology, Indiana University, USA, and a former president of the American College of Sports Medicine. Dr. Skinner visited MUJ during the International Conference on Physical Education and Sports Sciences, held from 04 – 09 January 2017.

Prof. Maria Jose Martinez Patino is a Spanish former hurdler. Martinez-Patino participated in the 100 metres hurdles in 1983 World Championships in Athletics in Helsinki. Prof. Maria visited the MUJ during the International Conference on Physical Education and Sports Sciences, held from 04 – 09 January 2017.

Krishna Poonia is an Indian discus thrower. She led an Indian clean sweep in the women's discus final on 11 October 2010, winning the Delhi Commonwealth Games gold medal. She visited the MUJ during the International Conference on Physical Education and Sports Sciences, held from 04 – 09 January 2017.

Sabahudin Topalbecirevic is one of the most famous sport commentators and sport journalists in Bosnia and Herzegovina. He reported from the Olympic Games in Sydney and Beijing, 4 world and European championships in football, hundreds of broadcasts of Champions League, whereof 51 games live. Sabahudin visited MUJ during International Conference on Physical Education and Sports Sciences, held from 04 – 09 January 2017.

Workshops/seminars/conferences attended/organized:

- Poonia, Rina organized Pre-International Yoga Day in June 2017.
- Poonia, Rina was chairperson and resource person at National Seminar on Sports for All: Equality and Social Inclusion and presented paper; "Exercise is Medicine: Exercise and Health" held at Kannur University, Kerala, March 2017.
- Poonia, Rina participated in National Workshop on Biomechanics in Sports and Motion Analysis held at Kannur University, Kerala, March 2017.
- Poonia Rina, organized National Sports Day, August 2016.
- Chahar, Pradeep successfully completed Train the Trainer Program conducted at Manipal University Jaipur from 19 & 20 Sept 2016 and 27 Feb 2017 to 5 Mar 2017, Fitness Trainer (SPF/Q1102) and qualified Trainer for Fitness Trainer (SPF/Q1102), Certificate No. SPF/Q1102/TT-70.
- Chahar, Pradeep attended International Strength and Conditioning Course organized in joint collaboration with Manipal University Jaipur and Exercise and Sports Science International Consultancy on 04th January, 2017.
- Chahar, Pradeep attended "International Conference on Physical Education and Sports Science (ICPESS)" sponsored by Ministry of Youth Affairs and Sports, Govt. of India and Department of Science and Technology, Govt. of Rajasthan, organized by Department of Arts (Physical Education), Manipal University Jaipur (Rajasthan) as a Session Chairperson on the sub-theme Future Challenges and Trends in Physical Education, Health and Sports Science from 05-07 January 2017.
- Chahar, Pradeep attended first international workshop on "Marketing Strategy and Policy for Energy Rural Electrification, Health and Sanitation" organized by Department of Electrical Engineering, School of Electronics and Communication Engineering, Manipal University Jaipur (Rajasthan) on 15th-16th November, 2016.
- Chahar, Pradeep attended "National Seminar on Empowerment of India through Physical Education" sponsored by ICSSR, Ministry of Human Resource Development, Govt. of India, New Delhi, organized by Department of Physical Education, University of Lucknow, Lucknow (UP) as a Session Chairperson and Resource Person from 22nd-23rd Oct. 2016.
- Chahar, Pradeep organized Second Seven Days Workshop entitled "National Workshop on Multidimensional Research Methods and their Application using Statistical Softwares" in Manipal University Jaipur as Convener from 10th-16th Oct. 2016.
- Varghese Luke, Robin attended National Seminar on Re-learning to be Human for the Global Times: A cross-Cultural Way, Manipal University Jaipur, India, December 26-27, 2016.

School of Media & Communication

School of Media & Communication

The growth of Communication and Media Studies beyond their epistemic and ontological boundaries is internationally acknowledged and explored for establishing a system of democratic global community. For proliferating the same vision among learners, Manipal University Jaipur established the School of Media & Communication in the year 2012. The school provides a scholarly cum creative environment, supported by advance infrastructure, unique integrated curriculum, highly experienced and qualified faculty. SMC endeavors to combine innovative practices and technology with the traditional pedagogue to groom learners into proficient members of the global community.

Department of Journalism & Mass Communication

The department of Journalism and Mass Communication offers a full-fledged undergraduate, postgraduate as well as doctorate program covering all the major areas of Journalism, Communication and Film Studies. The programmes have unique holistic curriculum, placement process, lively co-curricular activities (theatre, dance, music, cinema, literature, debate etc.) and an ambience which encourages students to scale new heights in their areas of interest with a firm root in social sensitivity. The department has well-known industrially skilled and scholars of their specific domain. The faculty also stands for advanced contemporary course in Journalism and Mass Communication.

Core Competencies	Key Features	Lab Details
• Print Media	• Synthesis of Theory & Practical	• Editing Lab
• Electronic Media	• Internships & Training	• Audio Recording Studio
• New Media	• Student Research Facilitation	• Mini Studio
• Cinema & Film studies	• Placements	• Projection Room
		• Studio One (Workshop Zone)
		• Print Media Lab

Faculty members & their specialization

• Honorary Adjunct Faculty: Prof. Ram Sharan Joshi

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof. Ravi Chaturvedi	Director	Film Studies
2.	Dr. Rayaz Hassan	Associate Professor & Head of the Department	Photography, Television and Video Programme Production,
3.	Dr. Kushal Kumar R	Professor	Broadcasting, Advertising, Public Relation
4.	Dr. Ramesh Rawat	Associate Professor	Print Media, Advertising, PR&CR,
5.	Dr. Kusum Sharma	Associate Professor	Hindi Literature
6.	Dr. Subhash Kumar	Associate Professor	Print Media, Media Writing, Reporting
7.	Dr. Valiur Rahaman	Associate Professor	Critical theories, Linguistics & Digital Humanities
8.	Dr. Oinam Bedajit Meitei	Assistant Professor	Film Studies, Designing for Print Media
9.	Dr. Saad Ullah Khan	Assistant Professor	Print Media, Mass Communication Theories and Practices,
10.	Dr. Sushmita	Assistant Professor	Science Communication Film Studies and Popular Culture, Literary Studies, Partition
11.	Dr. Vaishali Kapoor	Assistant Professor	Print & New Media, Communication Research TV and Radio journalism, Web Journalism, Heritage and Cultural tourism
12.	Mr. Tanveer Ahemad	Assistant Professor	New Media, Print Media and Event Management
13.	Mr. Rahul Babu Kodali	Assistant Professor	Broadcast Media, Communication, Advertising
14.	Ms. Ambika Bhagat	Assistant Professor	Visual Communication, Visual Culture, Communication Theories & Practice

Academic Programs with intake

- BA (JMC)- 3 Years (120 intake/ per academic year)
- MA(JMC)- 2 Years (30 intake/ per academic year)
- Ph.D. - Full-time & Part-time (13 intakes- currently registered)

New Initiatives

- PG Diploma in Theater Arts – 1 year
  The School of Media & Communication launched a one year PGD in Theater Arts in 2016. The diploma aims at providing students with a comprehensive course on theater arts, which includes- script writing, acting, direction, stage-lighting-sound, set-designing, costume designing etc.

Community Radio

The School of Media & Communication is working to setup MUJ's own community radio station that will reach several villages around the university campus (an approximate radius of 10 kms.). The project has been approved, sanctioned and funded by Manipal University Jaipur. The license application has been submitted to the concerned governing body. Content development work is under-process.

Student-Community engagement

In concurrence with the school's philosophy that education must be firmly rooted in social sensitivity, our students are encouraged and advised to closely interact with the communities surrounding the campus. Media projects (documentary making, short-film making, photography, reporting etc.) centered around the theme – "Life, issues and challenges of local communities" are prescribed as part of practical work undertaken by UG & PG students.

Sponsored/Consultancy Projects

- Research Project of Rs. 1 lakh funded by Manipal University Jaipur, titled- A "Media Perspective of expectations and challenges of small scale hand block industry in Bagru Town", Mr. Tanveer Ahemad & Dr. Oinam Bedajit.
- Training and Workshop on Nonverbal communication for Rs. 2.5 lakh, funded by MUJ Endowment Fund, Prof. Ravi Chaturvedi
- Book writing & Documentary Film making project, Media Makers of Rajasthan – Kalyan Singh Kothari, Ramesh Kumar Rawat

Conferences, Symposiums, Seminars & workshops

- International Symposium on 'Role of Traditional Media in Confronting Social Taboos'- Nikolina Spasic & Milan Novakovic - 20th Feb. 2017 International Film Festival, "JIFF 2017", 7th to 11th Jan 2017
- Workshop on Nonverbal communication - Milan Novakovic & Nikolina Spasic, 24th Jan – 20th Feb 2017
- International Colloquium on "Travelling Theater Traditions of Asia" 18th & 19th Feb 2017
- Workshop on Research Paper Writing- Tina Shivnani- 8th July 2017
- Seminar on Patrakarita me Rajbhasha ki Upyogita- Dr. Sangeeta Saxena- November 2016
- Workshop on English Learning- Dr. Shaila Mohan- 31st March 2017

Visitor/Invited Lectures

- Ms. Neelima Tikku delivered a lecture on Hindi Diwas, 14th Sept. 2016
- Mr. Kumar Rajesh, delivered a lecture on news reporting, 5th Nov 2016
- Ms. Garima Singh, delivered a lecture on women in reporting, 5th Nov 2016
- Mr. Sanjeev, delivered a lecture on news in the times of internet, 5th Nov 2016
- Dr. Jayprakash Narayan, delivered a lecture on Media, Youth & Society, 18th Nov 2016
- Ms. Nikolina, delivered a lecture on Role of body language in communication, 27th Jan 2017
- Mr. Milan Novakovic, delivered a lecture on Non-verbal communication and self-growth, 28th Jan 2017.
- Prof. Haytokosuge, delivered a lecture on "Travelling theater", 18th Feb 2017
- Dr. Tsu Chung Su, delivered a lecture on "Traditions of Travelling Theater in Taiwan", 19th Feb 2017
- Prof. Sudesh Batra delivered a lecture on Importance of Mother Tongue in language and identity, 21st Feb 2017
- Dr.Tina Shivnani, delivered a lecture on writing research paper, 8th July 2017

Publications

- Kusum Sharma, Priyanka Yadav "Nagarjun ke Upanyanson ki Uplabdhiyan aur Seemaen", Printing Area (International), Issue 31, Vol-02, ISSN 2394-5303
- Kusum Sharma, "Vartmaan Dashak Ka Nari Shahitya Aur Lekhan", Sahity Samartha, April-June 2017, ISSN

2394-3653

- Kusum Sharma, "Adhunik Manishi Kanhaeya lal Sathiya ke Hindi Kavy Men Ras Yojna", Printing Area International, Issue 31, Vol-2, ISSN 2394-5303
- Kusum Sharma, "Jagmagjyoti men Abhivyakt Samajik Chetna", Printing Area International, Issue 32,Vol-9, ISSN 2394-5303
- Kusum Sharma, "Badalte Jeevan Moolya Tatha Naari ki Bhoomika", Jagmag Deep Jyoti, Issue Jan-March 2017, ISSN 2278-7623
- Kusuam Sharma, "Aadhunik Kavya aur Samaj ki Chunotiyan", Sahitya Parikrima, ISSN 2016, 2455-2739
- Kusum Sharma, "Sathiya- Hema Udawat (Sameeksha)", Sahitya Samartha, ISSN 2394-3653



Books published/Chapters Contributed to books

- Ambika Bhagat, "Critical Media Literacy: A holistic Approach", in Quality Configuration of Media Education in India, Published by Media Analysis & Research Centre, Page 9 – 13, ISBN 978-81-931876-1-6, August 2016
- Ravi Chaturvedi & Tapti Gupta, "Contemporary Indian Theatre", Published by Rawat Publications, ISBN 978-81-316-0856-2, Feb 2017
- Ramesh Kumar Rawat, "Sports News In Print Media (A case study of Dainik Bhaskar Newspaper from 25th December, 2016 to 31st December, 2016)", in "Sports News in Print Media", Page 130-138 ISBN: 978-9385449-31-9, March-2017
- Valiur Rahaman, Literary Theory & Criticism; Module No. 13-17, http://epgp.inflibnet.ac.in under an MHRD Project: National Mission on Education through ICT (NME-ICT), June 2017

International/national Conference/Seminar/Workshop attended

- Ramesh Kumar Rawat, attended as Resource person National Seminar on "Spiritual Wisdom for Social Transformation- Role of Media" organized by Media Wing, Rajyoga Education & Research Foundation, 16th -20th September, 2016
- Tanveer Ahemad, participated in Seminar on "International day for Universal Access to Information", organized by UNESCO, 20th Sept. 2016
- Tanveer Ahemad, participated in workshop on "Diversity and Cross-cultural Competence", organized by Department of Philosophy, MUJ, 29th Sept. 2016
- Priyanka Yadav, presented paper titled "Aadiwasi Sahitya ke Paripreksh mein Stri Vimarsh" in National Conference organized by 'Mohan lal Sukhadia University, Udaipur' on 7th & 8th October 2016
- Tanveer Ahemad, attended seven days National Workshop on Multidimensional Research Methods and their application using Statistical Software's held from 10-16 October 2016.
- Subhash Kumar conducted a workshop as Resource person on 'Various Aspects of Media Writing' organized by Kasturi Ram College of Higher Education (affiliated to IP University, New Delhi), 14th October, 2016.
- Priyanka Yadav, attended Workshop on "patrakarita mein Rajbhasha ki upyogita" organized by MUJ, 11th Nov. 2016
- Kusuam Sharma, attended as key note speaker, "Vimochan Sanskaar,Charitra Evam Vigyan dwara Safalta", organized by Rajasthan Lekhika Sahitya Sansthan, Jaipur, 2016
- Ramesh Kumar Rawat, participated in "Office 365 basics and the usage of Outlook groups", organized by Manipal University Jaipur, 13 January, 2017
- Subhash Kumar, conducted workshop as Resource person on 'Fashion Communication', organized by MS University Vadodra, 19th - 20th Jan 2017
- Ramesh Kumar Rawat, participated in Interactive Workshop on Developing Research Skill, organized by Manipal University Jaipur, 28th - 30th January, 2017
- Ramesh Kumar Rawat, participated in Round Table Conference on Development Journalism, organized by CMC, UOR and UNICEF, 2nd Feb., 2017

- Saad Ullah Khan, presented paper "Instigator or Pacifier: Assessing the role of mainstream media with regards to prominent 21st century conflicts", at National Conference on Communication, Culture and Sustainable Development: Key Issues and Challenges, organized by Aligarh Muslim University, 5th – 7th Feb 2017
- Vaishali Kapoor presented paper, "Impact of celebrity endorsement on effectiveness of social advertising" at International Conference on media and communication studies, organized by Amity University Jaipur, 2nd – 4th March 2017



- Ramesh Kumar Rawat, attended as Resource person, Media Conference & Meditation Retreat On "Values and Meditation for Inner Empowerment of Media Professionals", organized by Media Wing, Rajyoga Education & Research Foundation & Prajapita Brahma Kumari Ishwariya Vishwa Vidyalaya, 2nd -6th June, 2017
- Kusum Sharma, attended as key note speaker, "Lokarpan (Gadh Re Man Gadh) Kavya Sangrah", organized by Spandan Mahila Shahityik Evm Shaikshik Sansthan, Jaipur, 2017

- Oinam Bedajit presented paper, "Communication and Capacity Development: A Case Study of Bagru Hand Block Printing" at International Conference on India's Communication Policy & Strategy for Development, organized by Manipal University Jaipur, 17th-18th March, 2017
- Vaishali Kapoor, attended conference on Pedagogic & Personal Effectiveness workshop, organized by MCPD, Manipal University, 20th -22nd March, 2017
- Saad Ullah Khan, presented paper "Decoding Heroism in World War II Themed Russian TV Serials: A Case study of 'The Dawns Here are Quiet'", at Third International Conference on Science, Technology, Management and Humanities, organized by ICSTMH Secretariat, March 30-31, 2017
- Ambika Bhagat, Presented paper "The Representation of Male Identity in Popular Hindi Cinema: A case study of film Bajrangi Bhaijaan, at international conference MCRAW, organized by Manipal University Dubai, March 2017
- Ramesh Kumar Rawat, Participate in Political Conclave, organized by Lok Samvad Sansthan, Center for Mass Communication, Save The Children, 22nd April, 2017
- Ravi Chaturvedi, delivered series of lectures on "Drama in Education", at ARC Regional Meeting, Shenyang Normal University, China. 25th – 30th May 2017

Student activities

- Hindi Diwas, 13th & 14th Sep. 2016
- Annual Media Fest, "Fringe 2016", Inter-university Media fest, Nov. 2016.
- Photography exhibition- "MUJ 360", Nov 2016
- Theater play, "Baap Re Baap", Nov 2016
- Student visit and participation, "Jaipur Literature Fest", 24th Jan 2017
- Non-verbal stage performance- "The-MESS-age", Feb 2017
- Inter National Women`s Day, 8th March 2017
- Short Film production, "Parchhaai", March – May 2017
- Short Film & Advertising production, "Media Production Exam Fest", April 2017
- Formation of department choreography club "Fusion", July 2017

Awards

- School of Media & Communication, MUJ, awarded all India rank #5, " 10 Most Promising Media & Mass Communication Institute- 2017" by The Higher Education Review Magazine
- Rahul Babu Kodali– MUJ Appreciation Certificate, August 2016
- Saad Ulla Khan, Best Research Paper Award in International Conference organized at Bangkok, Thailand, 31st March 2017

Faculty of Management and Commerce

TAPMI School of Business (TSB)

TSB provides a rich learning environment comprising of a portfolio of pedagogical tools that includes class room interactions, case study discussions, role play, group discussions, film shows, games, field projects and seminars by various industry experts and eminent academicians. The programme is supported by well-equipped finance lab with Thomson Reuters Terminals. It lays emphasis on experiential learning. The learning environment, curriculum, ambiance etc. are conducive for the all-round growth of students as required by the corporate world.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr. Nilanjan Chattopadhay	Dean (FoM&C)	E-commerce Business & Innovation in Networked Economy, Business Strategy
2.	Dr. Raghuvir Singh	Professor & Director (TSB)	International Business & Human Resource Mgmt.
3.	Dr Samar Sarabhai	Associate Professor & Head	Retail Management, Sales & Distribution Management and Product Management
4.	Dr Sankersan Sarkar	Associate Professor	Corporate Finance, Infrastructure Finance, Financial Derivations, Indian Financial System, Financial Markets
5.	Dr Umesh Solanki	Associate Professor	Training & Consultancy in management of Financial Affairs, Portfolios & Risks in Investment, Securities, Analysis in Investment
6.	Dr Amit Jain	Associate Professor	Marketing, Sales & Distribution, IMC & International Marketing, Management Development Programmes in the areas of Marketing, Sales, Leadership and Management Skills
7.	Dr C Anirvinna	Associate Professor	Managerial Economics, Macro Economics, Business Strategy, Business Environment and International Business, International Finance & Trade
8.	Dr Deepti Sharma	Assistant Professor	Human Resource Management, Performance Management System
9.	Mr Rahul Sharma	Assistant Professor	Accounting Corporate Finance
10.	Mr Arun Deshmukh	Assistant Professor	Marketing & Supply Chain Management

Student Activities

1. Management outbound activities by Mrs Veena Arora on 17th Nov 2016.
2. Debate on "Pros and cons of demonetisation and its effect on economy" on 11 Dec 2016.
3. Students industrial visit to – NBC: Jaipur, Hindustan Zinc: Udaipur, Wonder Cement: Chittorgarh & Secure Meters: Udaipur in Feb 2017
4. "Product Carnival" on 2nd & 3rd March 2017
5. MIS and Marketing Project for students at Hippo cabs, Droom cars, T series, Ghadi Detergent, MARS, R.K. Marbles, Zee entertainments etc.

Visitors/Invited Lectures

1. Lecture regarding Airtel company by Mr Mohan Murli, CEO Airtel, on 2nd Aug 2016.
2. Lecture on Service Operation Management by Dr Swapan Majumdar, Ex-Director MBA JKLU University on 20th Aug 2016
3. Lecture on Marketing of Services by Pritesh Chothani ,Vice President Radio Mirchi, on 27th Aug 2016.
4. Lectures on Facility Planning and Material Handling

by Prof Karunesh Saxena,, Director FMS Udaipur, on 8th Oct 2016.

5. Lecture on present Marketing policy in World by Prof H G Parsa, Faculty of University of Denver, USA, on 14th Nov 2016
6. Lecture on communication by Prof Sangeeta Sharma, Faculty of BITS Pilani, on 15th Nov 2016
7. Lecture on Training and Development by Dr Prabha Gupta, Faculty Kent University, on 16th Nov 2016
8. Lecture on Simulation on Pricing by Prof Gururaj Kidiyoor, Dean (Faculty) TAPMI Bangalore, on 2nd Dec 2016
9. Lecture regarding Project Management by Prof Manohar Singh , Financial Risk Consultant, Polaris Consulting & Services Ltd, Mumbai, on 13th Jan 2017
10. Lecture on Marketing & & Product & Brand Management, by Mr Ashish, Marketing Manager, Bajaj Auto Pune, on 17th Jan 2017
11. Lecture regarding Product Brand Management by Prof Dave Harris, Faculty of University of St Cloud, USA, on 2nd Feb 2017
12. Lecture on Outsourcing & Vendor Management by Mr Rahul Srimali, Senior Management Professional, Glaxosmithkline, on 23rd Feb 2017
13. Lecture of Digital Marketing by Mr Jaydeep Meena, Founder Reinvent Digital Media & Marketing Institute, Delhi, on 11th Mar 2017
14. Lecture on Business process in Engineering by Mr Yashpal Soni, Vice President Intex Technologies, on 25th Mar 2017
15. Lecture on Business process in Engineering by Ms Renu Shekhawat, HR Business Partner, Lifestyle International, Jaipur, on 29th Mar 2017
16. Lecture of Operations Management by Dr Nitin Sachdeva, Faculty of Operation University of Delhi, on 1st April 2017
17. Lecture on Retail Marketing Management by Prof(Dr) Laszlo Jozsa, Faculty SZE University, Hungary, on 24th April 2017

Papers in Conferences and Publications

1. Dr Sankersan Sarkar "Sectoral Decomposition of FDI Impact on Market Indices in the Pre And Post-Crisis Period" , Indraprastha Journal of Management , Guru Gobind Singh Indraprastha University, New Delhi
2. Dr Sankersan Sarkar "Is Volatility Uniform across the stock market : Evidences from Select Indices of NSE", NMIMS Management Review, Narsee Monjee Institute of Management Studies, Mumbai
3. Mr Arun Deshmukh "Analysis of Indian Retail Demand Chain using Interpretive Modeling", Journal of Modeling in Management (Jm2), TAPMI School of Business, Manipal University, Jaipur and IM, BHU, Varanasi,2016
4. Mr Arun Deshmukh "What Better Defines Demand Chain Management?", PRiMa: Practices and Research in Marketing, IM, BHU, Varanasi,2016
5. Mr Arun Deshmukh "Demand Chain Management (DCM): The Marketing and Supply Chain Interface Redefined", IUP's Journal of Supply Chain Management (IJSCM), IM, BHU, Varanasi,2016
6. Mr Arun Deshmukh "The Spiritual Materialism: A Balancing Orientation for Life", Mulya Vimarsh (MCEV, BHU, Varanasi), IM, BHU, Varanasi,2016
7. Mr Arun Deshmukh "Bharat ke Ratna Mahamana Malviyaji ke Jeevan ke Kuchh Avismarneey Sansmaran", Prajna--BHU Research Journa, IM, BHU, Varanasi,2016
8. Prof Raghuvir Singh presented co-authored paper on "Attrition in hospitality Industry" in international conference at Prestige Institute of Management and Research, Gwalior, 9-11 January, 2017.
9. Prof Raghuvir Singh presented co-authored paper on "Enhancement of Personal Effectiveness through Training" in international conference at Prestige Institute of Management and Research, Gwalior, 9-11 January, 2017.
10. Prof Raghuvir Singh & Mr Amit Dutta, "Attrition in hospitality : An analysis of Y generation employees" published in the edited book "Strengthening Strategies, Shaping policies and empowering Personnel : Key to Organizational Competitiveness", 2017, ISBN No 978-81-933172-7-3, PP 307-319.
11. Prof Raghuvir Singh & Mr Amit Dutta, "Analyzing the Underlying Factors of Organizational Climate of Premiere Category Hotels in India, Published in book "Achieving Corporate Excellence in Changing Times" Excel India, 2017, ISBN No 978-93-86256-95-9, PP 133-145.
12. Prof Raghuvir Singh & Mr Maruti Vithal Khaire, "Five Innovation inspirations from Indian Automobile Market", IOSR Journal of Business & Management, ISBN No 2319-7668, Vol 19, Issue Jan 2017, PP 10-18.
13. Prof Raghuvir Singh & Ms Aanya Choudhary, "Enhancement of Personal Effectiveness", published

in edited book "Strengthening Strategies; Shaping Policies and Empowering Personnel : Key to Organizational Competiveness", published by Bharti Publications, New Delhi Jan, 2017, ISBN 978-81-933172-7-3, PP 253-261.

14. Prof Raghuvir Singh & Mr Amit Dutta, "Investigating the Components of Organizational Climate of Hospitality Industry in India, Conference proceedings 20th International Conference Sustainable Growth, Innovation & Revolutions in the New Millennium, organized by Rajasthan Development Research Foundation & Research Development Association, Jaipur, published in ISBN No 978-81-920965-82 in 2017.
15. Prof Raghuvir Singh, paper titled "Issues and Challenges of Mobile Banking Application in Rajasthan", International Journal of Human Resource Management & Research, ISSN (P) 2249-6874, Vol-7, Issue 2, April 2017, PP 21-16.

School of Hotel Management

The School of Hotel Management has a high standard of teaching, learning and a UGC-recognized program which makes it a perfect choice for undergraduate studies. It also has strong industry integration with 100% training and placement assistance.

Hotel Management at MUJ has the combination of legacy of Manipal University which is an inspiring leader in the field of education, and heritage of Jaipur, together these make it a unique destination for hospitality education in India.

- It has quality and internationally experienced faculty to groom students to be the perfect hospitality professional.
- Infrastructure, in the form of laboratories, equipments and class rooms is modern and designed to facilitate learning.
- The flexible nature of the program allows students to choose courses related to their choice areas of study from the Bouquet of Open Electives offered by other departments at MUJ.
- Field trips, industry visits, organizing events, participating in culinary competitions, industry related projects and many more activities are part of the curriculum to enhance the learning skills of students.
- Apart from a dedicated semester of Internship, students are sent for short term industrial exposure during each semester.

Brief Curriculum: The basic objective of the BHM program is to provide to the hospitality industry a steady stream of competent young men and women with the necessary knowledge, skills, values and attitudes to occupy key operational positions.

The course structure of the given BHM program is designed in keeping in view the basic objective stated above. Consequently certain essential features of such model program structures would be to impart the students' latest and relevant knowledge from the field of hotel management theory and practice. To provide opportunities to the students, within and outside the institution, for developing necessary operating skills relating to the Hotel Industry. To develop the right kind of values and attitudes to function effectively in the hospitality trade. The following considerations have been taken into account: The knowledge inputs and opportunities for skill development have been offered in an evenly distributed and logically sequenced manner. The design is simple and logical. There is a major focus of attention on group specialization in the final year.

Academic Programme with Intake:
BHM (Bachelor of Hotel Management): 40 Students per Academic Year
Major Areas Covered: Hospitality, Tourism, Management, Hotel,

New Initiatives: MoU with Hotel Clarks Amer Jaipur and Manipal Integrated Services (MIS)

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Manoj Srivastava	Professor & HoD	Tourism Management, Bakery & Conf. Food
2.	Dr. Gaurav Bhattacharya	Associate Professor	Production, HR Management
3.	Amit Datta	Associate Professor	Bakery & Conf.
4.	Dr. Sonal Karnik	Associate Professor	Food & Beverage Services
5.	Aravind K. Rai	Assistant Professor	Food Production
6.	Deepak Pokhriyal	Assistant Professor	Housekeeping
7.	Shweta Upamanyu	Assistant Professor	Front Office
8.	Mukesh Shekhar	Assistant Professor	Food & Beverage Services

Extension activities: Conferences/Seminars/Workshops organized

S.NO.	Name of Conferences/Seminars/ Workshops organized	Organization	Date
1.	International culinary workshop for representatives of IAESTA from 8 countries	School of Hotel Management & IAESTE	06/09/2016
2.	Seminar on Skill Development for Hospitality and Tourism in association with Indian Society for Training & Development (ISTD) Jaipur Chapter	School of Hotel Management and ISTD Jaipur Chapter	27/9/2016

Visitors to the Dept/invited lectures:

S.NO.	Name of Visitor	Designation of Visitor	Affiliation	Topic of Lecture
1.	Mr. Gaurav Sharma	Trainer	Art of Living	Stress Management
2.	Mr. Varun Kalra	Learning & Dev. Manager	Fairmont Hotel Jaipur	Careers in Hospitality Industry'
3.	Ms Anushree Majhi	Training Manager	Hotel Clarks Amer, Jaipur	Latest Trends in Hospitality industry
4.	Ms Priyanka Jain	Dietician	Mahatma Gandhi Hospital Jaipur	A guest lecture was arranged on the occasion of World health Day on "Changing Trends in Dietary Habits in Modern Lifestyle"
5.	Prof. H.G.parsa	Prof.	Univ. of Denver, U.S.A	Growth of Hotel Industry

Publication Details:

1. Shweta Upamanyu, Dr. Teena Shivnani, International Journal of Applied Business and Economic Research, 0972-7302, 2016, "HR Policies and Practices: A study of Hotel Sarovar Portico and Hotel Fortune Select Metropolitan of Jaipur city".
2. Shweta Upamanyu,Dr. Teena Shivnani "PRAGYAAN - 2017, 5th International Conference Green, Growth, Globalization and Governance: Challenges & Opportunities", 2017,Employee Engagement and Recognition System in Hospitality & Tourism Sector: An Exploratory Initiative.
3. Shweta Upamanyu," Amity International Tourism & Hospitality Conference (AITHC 2016) on "Advances in Tourism, Hospitality & Aviation: Global viz-a-viz Indian Perspective: Vision 2020", 2016"Evils of Tourism: Conceptual study on the neglected areas in the development of Tourism"
4. Amit Datta, Prof. Raghuvir Singh 20th International Conference Sustainable Growth, Innovation & Revolution in the New Millennium, organized by Rajasthan Development Research Foundation & Research Development Association, Jaipur, 978-81-920965-8-2, 2017,Investigating the Components of Organizational Climate of Hospitality Industry in India, pp 58-59.
5. Amit Datta, Dr. Amit Jain, International Conference on Green, Growth, Globalization & Governance by J K Laxmipat University, 2017, Influence of Perceived Organizational climate on Turnover Tendency of Premium Hotel Employees, pp 43- 44.
6. Deepak Pokhriyal, host 2017, Gastronomy, Tourism & Globalization (2nd International Conference On Hospitality & Tourism), 978-81933465-2-2, 2017, "The Competitive Destination: Marketing the Competitive Destination of the Future",2017.

Other value added courses: Open Elective courses is offered by SHM for university students other than Hotel Management students, Corporate Grooming & Etiquette, Travel & Tourism management, Event Management (Conference, Event, Meeting, Incentive Management)

New initiatives:

Type of Lab	Special Specification
Lab: Basic Training Kitchen	For individual Practical
Lab: Quantity Training Kitchen	High pressure burners and bulk cooking equipment's
Advanced Training Kitchen	Individual cooking attached with a restaurant
Lab: Larder Kitchen	Cold kitchen
Bakery & Confectionery	Confectionery
Bakery	Basic baking
LAB :Basic Training Restaurant	Individual Training
Advanced Training Restaurant cum Bar	Attached with Ad. Kitchen
Housekeeping Practical Lab	For HK Practical's
Front Office Lab	Front Office Counter + Lobby + Bell Desk.

Events in SHM

Date of Event	Event	Other Details
6th September 2016	International culinary workshop	In collaboration with IAESTE
27th September 2016	Celebrated World Tourism Day	Poster Competition
29 & 30 September 2016	Chef Competition	Manipal Star Chef
27th September 2016	Organised a seminar	On Tourism skill development, and Poster exhibition
16th October 2016	Organised Workshop	Vegetable carving & Mocktail
14th October 2016	Organised Seminar on skill development	In collaboration with ISTD
17th November 2016	Limca book of world record	Largest SOcca
22nd December 2016	Christmas Celebration	Cultural event
13 th January 2017	Organised Kite Festival	Epicurean Club SHM
14th January 2017	Workshop on CAKE & BAKE	Epicurean Club SHM
13th February 2017	Organized a seminar on Waste to profits through reduce , recycle, reuse , sustainable practice in hospitality industry	In collaboration with ISTD
7th March 2017	Organized Holi Theme dinner	For all MUJ
17th April 2017	Organized Culinary workshop	Chef Dhan bahadur

Significant awards/distinctions: Title, organization received from, year, what for activity

S.NO.	Name of Faculty	Designation	Specialization
1.	Limca Book of Records National Record- 25 students and five chefs of School of Hotel Management Manipal University, Jaipur prepared the heaviest Socca (32 Sq. feet) a Franco/ Italian dish made at the Manipal University on 16th November 2016	Limca Book of Records National Record 2016	SHM
2.	University Grants Commission praised the efforts of SHM for creating world record in its inspection report as strength of Manipal university Jaipur	UGC	SHM





International culinary workshop



Limca Book of World Record " Largest SOCCA"

School of Business & Commerce

The School of Business and Commerce fosters excellence in teaching graduate and Post graduate courses in Commerce and Business Administration. The School focuses on latest developments in the discipline and the needs of the students and industry. Apart from classroom learning, students are given practical exposure through frequent industry interaction and internship with reputed banking and insurance companies, financial institutions, chartered accountants, Hotels, manufacturing and other concerned industries. The School arranges guest lectures and field visits periodically to strengthen teaching and to expose the students to the actual work situations. The School initiated the Association of Business and Commerce (ABC) to conduct various activities by the students.

FDP/Guest Lectures, Industrial Visits and Student Activities

1. Organised Commerce Fest "Zenith 2k17" having various Events on 1st and 2nd April 2017.
2. Two days Faculty development programme of guest speaker Mr. Shiroshan Thiyagaraja, CIMA Qualified, Colombo, Sri Lanka, from March 23-24, 2017.
3. Motivational lecture of Mr. Juzer Haideri, Founder & CEO of National Engineering Company (NENCO) on March 17, 2017.
4. ACCA workshop on "Professional Accountants- The Future: Generation next" on February 21, 2017.
5. Workshop on "Cyberspace Security" of Mr. Rakshit Tandon, an ethical hacker and cyber security expert on February 13, 2017.
6. Interactive Session on Entrepreneurship and Recruitment drive by Mr. Vipul and Bilawal of Attrum.com on January 11, 2017.
7. ACCA online Webinar on Auditing on January 10, 2017.
8. Motivational Lecture by Prof. Ashok Bohra on November 28, 2016.
9. Guest lecture on "Emerging Issues in Finance" of Prof. Anil Kothari, Director, Faculty of Management Studies, Mohanlal Sukhadia University Udaipur on November 23, 2016.
10. Workshop on "Financial Analysis using Excel" from November 17-18, 2016.
11. Guest Lecture on Positive Lifestyle and Motivational Speech by Prof. Anil Mehta, RU, Jaipur on November 16, 2016.
12. Faculty development programme of guest speaker Mr. Santhosh M. John, International Skills & Development Corporation (ISDC) from October 18-19, 2016.
13. Guest Lecture on "Amazing Social Innovators" of Prof. T.K. Jain, Director, GV School of Distance Education, Suresh Gyan Vihar University, Jaipur on October 19,2016.
14. Industrial Visit to Dainik Bhaskar for B.Com. Final Year Students on October 06, 2016.
15. A Talk on Initialization of Career by Prof. Dr. Rajesh Kothari on August 02, 2016.
16. Guest Lecture on Life Skills by Mr. Vishnu Srivastava, Retd. SBI Chief Manager on August 02, 2016.
17. Interactive session titled Neenv- the foundation by Mr. Chiranjeev Kantiya on August 01, 2016.

The School is having two departments viz, Department of Commerce and Department of Business Administration aiming to provide opportunities to the students within and outside the institution for developing necessary operating skills relating to the industry.

Department of Commerce

The department of Commerce caters to the need of the Industries especially in the area of Commerce, Accounting and Finance. The department offers two UG and one PG program aiming to provide the best opportunity to the students for developing the desired Skills in the Broad area of Commerce, Accounting, Costs, Audits and Finance as per the today's requirement of the Industry. The programs of the department are having collaborations with ACCA and CIMA, UK to give students an edge over normal commerce graduate and Post graduate.

Students are also allowed to choose open elective courses as per their interests from any discipline. The Curriculum of the programs in the department are designed to facilitate the students in pursuing higher education in India or abroad and make them employable in the current competitive milieu. The syllabi of all the programs are updated form time to time according to the industrial developments and innovations in the area of commerce.

International Collaboration with ACCA:

In its continued endeavors to collaborate with frontline institutions, MUJ has signed an MOU with ACCA (Association of Chartered Certified Accountants), UK and ISDC (International Skill Development Corporation Ltd.), UK with the view to offer an ACCA embedded B.Com Honours Accounting Programme to the prospective students. The students of B.Com Honours Accounting will have an exemption of 9 papers of ACCA. The MOU will help to:

1. Open a Broader Horizon of Opportunities to the student's o B.Com Honours Accounting in the Global finance and Business Industry.
2. Inculcate the finance and business intelligence and develop the skills for tomorrow which the employers look forward.
3. Create enhanced competence of career positioning for the learners to become a Global Professional.

With More and More countries and companies adopting IFRS (International Financial Reporting Standards) and the shifting business environment- a globally relevant qualification like ACCA will help the students of the university to gain a competitive advantage through this world class professional qualification.

International Collaboration with CIMA:

B.Com and M.Com (Financial Analysis) Programmes are collaborated with CIMA (Chartered Institute of Management Accountants), UK, to connect our students with world's largest professional body of management of accountants. It enables the students to use the Chartered Global Management Accountant (CGMA) designation and be the part of truly global network. The students are offered handsome exemptions of the papers of CIMA pursuing B.Com pass or Honours or M.Com Programme. CIMA is and optional qualification and accordingly awards certification to the students on successful completion of the courses at each level.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof. M. L. Vadera	Director & Professor	Accounting & Finance
2.	Dr. Gaurav Lodha	Associate Professor & HoD	Accounting & Finance
3.	Dr. Tanushree Sharma	Associate Professor	Finance
4.	Dr. Teena Shivnani	Assistant Professor	Accounting & Banking
5.	Dr. Saurabh Sharma	Assistant Professor	Finance & Banking
6.	Dr. Sunny Dawar	Assistant Professor	Marketing & HRM
7.	Ms. Savita Panwar	Assistant Professor	Marketing
8.	Mr. Zeeshan Qadri	Assistant Professor	Accounting
9.	CA Sakshi Agarwal	Assistant Professor	Finance & Taxation

Symposia/workshop/conference/seminar attended /paper presentation:

1. Prof. M.L. Vadera presented paper in All India Accounting Conference and International Seminar on Accounting Education and Research organized by Indian Accounting Association Karnataka Branch, Bangalore and Department of Commerce, Bangalore University from 16th-17th December, 2016, tilted "Impact of GST on Different Stakeholders: A brief overview".
2. Prof. M.L. Vadera presented paper in All India Commerce Conference organized by Faculty of Commerce, University of Lucknow from 11-13th November, 2016, titled "Scope of Tourism Development in Rajasthan".
3. Dr. Gaurav Lodha presented paper in The 11th Anniversary India-Japan International Conference BIOCON-2016 from 20-22 October, 2016, tilted "Cobra Effect (Perverse Incentive) in Indian E-Commerce Sector".
4. Dr. Gaurav Lodha presented paper in All India Accounting Conference and International Seminar on Accounting Education and Research organized by Indian Accounting Association Karnataka Branch, Bangalore and Department of Commerce, Bangalore University from 16th-17th December, 2016, tilted "Taking the Stock of Variations in IFRS Adoption and Practices".
5. Sunny Dawar presented a research paper on "Impact of Demographic Variables on Consumer's Impulse

Buying Behavior" in 4th International Conference of NAM and 14th International Conference of IFEAMA on Knowledge Transfer and Transformation: Global and Local Business for Competitiveness and Social Justice, organised by Nepalese Academy of Management (NAM), Kathmandu in collaboration with International Federation of East Asian Management Associations (IFEAMA) in Kathmandu, Nepal, from March 27-29, 2017.

6. Sunny Dawar attended "4th International Conference on Youth 2025: Harnessing Youth for Development, Sustainability and Happiness: Imperatives and Challenges for SAARC and Emerging Asian Countries (ICHYDSH-2017)" at Jaipuria Institute of Management, Jaipur from February 17-18, 2017.
7. Sunny Dawar participated in two days workshops on "Developing Research Skills" organized by Faculty Research Lab, Manipal University Jaipur, on January 28 & 30, 2017.
8. Sunny Dawar participated in "Faculty Development Program" organized by Manipal University Jaipur from November 10-12, 2016.
9. Sunny Dawar & Sunishtha Dhaka presented a paper on "Developing Customer Relationships through Customer Engagement in Retail Service Brands" in International Conference on Management Perspectives: Transforming Business Practices for Innovation, Development & Governance organized by Amity University Jaipur, from September 1 -2, 2016.
10. Tanushree Sharma, Presented paper on the topic "Has FDI played a role in Indian industrial growth" at ISER, Frankfurt on 4-5 July, 2017
11. Tanushree Sharma, Presented paper on the topic "Speculative influence on Agriculture Commodity – A case of Pepper" at 53rd Annual Conference of TIES held at NISER ,Bhubaneshwar, 22-24 Dec. 2016.
12. Sharma Saurabh, Participated in 101st Orientation program organized by UGC- HRDC, University of Rajasthan, Jaipur during 04.07.2016 to 30.07.2016.
13. Sharma Saurabh, Participated in two days Finance Research Workshop at Indian Institute of management, Kolkata held during 18 – 19 November 2016.
14. Sharma Saurabh, Participated in two days workshops on "Developing Research Skills" organized by Faculty Research Lab, at Manipal University Jaipur from January 28 - 30, 2017.
15. Teena Shivnani completed on line NPTEL certificate work of 12 weeks on "Financial Analysis" (Jan- April 2017)
16. Teena Shivnani completed 7 days Winter Research School at MNIT on Research Methodology, 9-14 Jan 2017.
17. Teena Shivnani completed one day training on "Microsoft in the classroom" Organized by Microsoft.
18. Teena Shivnani has attended FDP organized by CIMA at Mumbai: 22nd – 24th Aug. 2016.
19. Teena Shivnani has attended FDP organized by CIMA at Delhi. 10th – 12th April 2017.
20. Teena Shivnani has attended FDP Organized by ACCA on Management A/c on 23rd – 24th March 2017.
21. Teena Shivnani has attended FDP Organized by ACCA on Financial A/c on 18th – 19th Oct. 2016.
22. Savita Panwar presented Paper titled "Understanding App based shopping: An empirical study using extended unified theory of acceptance and use of technology (UTAUT 2) model" at 7th IIMA Conference on Marketing in Emerging Economies at Indian Institute of Management, Ahmedabad (January 2017).
23. Savita Panwar participated in Workshop on "Interactive workshop on developing research skills" organized by Faculty Research Lab and Department of Economics, SHSS, Manipal University Jaipur (January 28-30, 2017).
24. Mohammed Zeeshan Qadri, "Emergence of IFRS in India: Benefits and Challenges", International Scholarly Research Journal of Multidisciplinary Studies, Vol(1), Special Issue, pg. 233-240, ISSN 2319-4766, April 2017.
25. Teena Shivnani & Jampala Mahesh Chandra Babu presented a paper on "A Journey of Goods & Services Tax (GST) in India: An Overview" in 39th IAA conference at Bangalore Dec. 16th – 17th 2016.
26. Manju Singh & Teena Shivnani presented a paper on "Exploring Enablers and Challenges to Women's Participation in Cooperatives" in 11th ICA ASIA pacific regional research conference, international co-operative alliance at Asia Pacific, New Delhi. 15th Nov. 2016.
27. Teena Shivnani presented a paper on "Government Initiatives for development of Rural Economy in India: Benefits & Challenges (2014-2016)" in 4th

Global Conference on Business and Social Sciences "Contemporary Issues in Business and Social Sciences Research at Dubai on 14th – 15th Nov. 2016.

28. Jampala & Teena Shivnani presented a paper on "The Influence of Banking on Rural Credit: An Exploratory Study" in International Conferences on "Green, Growth, Globalization and Governance: Challenges and Opportunities (4G)" at JKLU, Jaipur, on 4th – 6th Feb. 2017.
29. Shweta Upamanyu & Teena Shivnani presented a paper on "HR policies and practices: a study of Hotel Sarovar Portico and Hotel fortune select Metropolitan of Jaipur city" in 4th International conference on applied business and economic research, serials publications (p) Ltd. New Delhi, 2016, 15th – 16th Dec. 2016.

Publication in International Journal

1. Savita Panwar,"Customer Perception towards organic food products in selected regions of Mumbai, PRIMA Practices & Research in Marketing, Vol. (7), Issue (1&2), pp. 215-219, ISSN 2230-844X, 2016.
2. Teena Shivnani, Government Initiatives for development of Rural Economy in India: Benefits & Challenges (2014-2016), in Global Journal of Business and Social Science Review, Vol 5 (1) pp. 59-66 (2017) (Malaysia A Category) ISSN No. 2289-8506 (Print) 2180-0421 (online)
3. Teena Shivnani, "Evaluation on PMJRY: A study of Bagru Village (Jaipur City)" published in (Scopus Index) I J A B E R, Vol. 14, No. 6, (2016): pp.4105-4115. ISSN No. 0972-7302
4. Teena Shivnani, HR policies and practices: a study of Hotel Sarovar Portico and Hotel fortune select Metropolitan of Jaipur city published in (Scopus index) IJABER, vol. 14, no. 12, (2016) pp. 8399-8407. ISSN No. 0972-7302.
5. Dr. Gaurav Lodha "Analysis of Critical Success Factors (CSF) for remote IT Infrastructure Management (RIM) Services in India": Research Hub: International Multidisciplinary Research Journal, Vol. 3, issue 7, July 2016, pp 1-4. (ISSN- 2349-7637).
6. Dr. Gaurav Lodha "A Survey on Effectiveness of Management on Risks of Inadequate Knowledge/Skills of Team & Inadequate Change Management in Software Maintenance Projects": Research Hub: International Multidisciplinary Research Journal, Vol. 3, issue 12, December 2016, pp 1-4. (ISSN- 2349-7637).
7. Dr. Gaurav Lodha "Evaluating the Efficacy of Mergers and Acquisitions": Research Hub: International Multidisciplinary Research Journal, Vol. 4, issue 1, January 2017, pp 1-4. (ISSN- 2349-7637).
8. Mohammed Zeeshan Qadri, "Emergence of IFRS in India: Benefits and Challenges", International Scholarly Research Journal of Multidisciplinary Studies, Vol(1), Special Issue, pg. 233-240, ISSN 2319-4766, April 2017.

Publication in National Journal

1. Sunny Dawar & Sunishtha Dhaka, "Developing Customer Relationships through Customer Engagement in Retail Service Brands", Amity Management Review, Vol. 5, Issue (2),pp 86-94, ISSN 2230-7230, 2016.
2. Tanushree Sharma , "The impact of future trading on volatility in Agriculture commodity: A case of Pepper.", The IUP Journal of Financial Risk Management, Vol. XIII, No. 4,p.p.47-55,2016
3. Sharma Saurabh, "Impact of FDI on Growth and Development of Indian Automobile sector Since 2005." Journal for Advanced Research in Commerce and management, E-ISSN: 2394-837X. studies Vol.3.Issue.2, 2016
4. Savita Panwar "Consumer orientations towards counterfeit fashion products: A qualitative analysis" published in IUP Journal of Brand Management, 2016, ISSN: 0972-9097.

Publication in Conference Proceedings

1. Sunny Dawar, "Impact of Demographic Variables on Consumer's Impulse Buying Behavior", Knowledge Transfer and Transformation: Global and Local Business for Competitiveness and Social Justice", ISBN: 978-9937-0-2231, Nepalese Academy of Management, Nepal, pp.232-242, 2017.
2. Tanushree Sharma, Presented paper on the topic "Has FDI played a role in Indian industrial growth", ISBN- 978-93-86291-46-2, at ISER 62nd International conference, Frankfurt on 4-5 July, 2017
3. Sharma Saurabh, "Study on futures markets price Discovery and risk Management strategies adopted for commodities market in India" Knowledge Transfer and Transformation: Global and Local Business for Competitiveness and Social Justice", ISBN: 978-9937-0-2231, Nepalese Academy of Management, Nepal, pp.232-242, 2017.

Invited Lecture/ Training Program

1. Sunny Dawar conducted training program for the employees of Pali Dairy (Saras) - A Unit of RCDF at Pali.
2. Sunny Dawar delivered a guest lecture on "Channels of Distribution" at School of Management, Poornima University Jaipur on April 17, 2017.

Awards/ Session Chair/ Resource Person

1. Prof. M.L. Vadera was Resource Person and Chaired the Session in 2 days International Conference on Innovative concepts in Commerce, Management and Computer Science at Poona College of Arts and Science on 13-14th January 2017.
2. Prof. M.L. Vadera was invited for Lecture and Chaired the Session in 2nd National Conference on "New Paradigm in Management, Economics & Commerce : A Journey Ahead (NCNPMEC-2017)" on 17th- 18th February, 2017
3. Teena Shivnani received " MUJ President Appreciation Award" on 15th Aug. 2016
4. Teena Shivnani has Chair a session in 4th Global Conference on Business & Social Sciences at Dubai on 14th November 2016.
5. Teena Shivnani was Resource Person in three days' workshop on "Developing Research Skills" for research Scholars & Faculty at MUJ. 28th – 30th Jan 2017.
6. Prof. M. L. Vadera and Dr. Gaurav Lodha received Award of Appreciation from the Institute of Company Secretaries of India, New Delhi (ICSI) Jaipur Chapter in the Principals and Teachers Meet 2017 at Hotel Royal Orchid on 7th May 2017.

Department of Business Administrations

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr. S C Sharma	Professor & HoD	Marketing
2.	Dr. Birajit Mohanty	Associate Professor	Finance
3.	Dr. Suhasini Verma	Associate Professor	Finance
4.	Dr. Nupur Ojha	Assistant Professor	Finance
5.	Dr. Ity Patni	Assistant Professor	Finance
6.	Dr. Sunishtha Dhaka	Assistant Professor	Marketing
7.	Dr. Bhawna Chahar	Assistant Professor	Human Resource
8.	Mr. Narendra S Bhati	Assistant Professor	Marketing
9.	Ms Nishu Gupta	Assistant Professor	Finance
10.	Ms Archana Poonia	Assistant Professor	Human Resource
11.	Ms Anuradha Agarwal	Assistant Professor	Marketing
12.	Dr Shweta Mehrotra	Assistant Professor	Human Resource

Symposia/workshop/conference/seminar attended /paper presentation

1. Dr. Suhasini Verma participated in "JAAF Symposium" at IIM Ahmedabad, Jointly Conducted by IIMA ISB and JAAF organized during 5th -7th January, 2017
2. Dr. Suhasini Verma participated in "Workshop on Research" organized by MUJ on 28.01.2017
3. Dr. Suhasini Verma participated in "Summer School on Empirical Financial and Accounting Research" organized by IIM-C organized during 1st -9th May, 2017
4. Dr. Suhasini Verma presented a research paper on "Housing Finance for Financially Excluded: Opportunity and Threat for Commercial Bank" in a National Conference on sustainable Development in Digital Era: Issues and Challenges (Vision2030), organized by Banarsidas Chandiwala Institute of Professional Studies on 18.02.2017
5. Dr Ity Patni participated in "Winter Research School 2017" at MNIT Jaipur during 9th -14th Jan 2017
6. Dr Ity Patni participated in "Interactive workshop on developing research skills" organized by School of Humanities and Social Sciences, Manipal University Jaipur during 28th -30th Jan 2017

7. Dr Ity Patni participated in "4th International Conference on Youth 2025" at Jaipuria Institute of Management during 17th -18th Feb, 2017
8. Dr Birajit Mohanty presented a paper on "Impact of NPAs on Profitability: A Comparative Analysis of Public and Private Sector Banks in India" in International Conference on Financial Markets and Corporate Finance, organized by IIT, Kharagpur during 7th -8th July 2017
9. Dr Sunny Dawar & Dr Sunishtha Dhaka presented a paper on "Developing Customer Relationships through Customer Engagement in Retail Service Brands" in International Conference on Management Perspectives: Transforming Business Practices for Innovation, Development & Governance organized by Amity University Jaipur, during 1st -2nd September, 2016
10. Dr Sunishtha Dhaka presented a paper on "Evils of Tourism- a conceptual study" in Amity International conference on tourism and hospitality perspective organized by Amity University during 3rd -4th September, 2016
11. Sunishtha Dhaka presented paper on "Development of Value Co-Destruction Model: An Empirical study on consumer perspective in services context" in International conference on Marketing, Technology and Society organized by IIM Kozhikode from 29 Sep-1 Oct, 2016
12. Sunishtha Dhaka participated in workshop on "Pedagogic and personal effectiveness" organized by Manipal Centre for professional and personal development (MCPD), MUJ during 10th – 12th November, 2016
13. Dr Sunishtha Dhaka participated in workshop on "Marketing strategy and policy for energy, rural electrification, health and sanitation" organized by Manipal University Jaipur during 15th -16th November, 2016
14. Dr Sunishtha Dhaka participated in workshop on "Developing Research Skills" organized by Faculty Research Lab, Manipal University Jaipur during 28th – 30th January, 2017
15. Nishu Gupta participated in "Workshop on Paper Writing" organized by Manipal University, Jaipur during 25th -27th July, 2016
16. Nishu Gupta participated in "Winter Research School 2017" at MNIT Jaipur during 9th -14th Jan 2017
17. Nishu Gupta participated in workshop on "Pedagogic and personal effectiveness" organized by Manipal Centre for professional and personal development (MCPD), MUJ during 10th – 12th November, 2016
18. Dr Nupur Ojha participated in a workshop on "Financial Research" organized by IIM Calcutta during 18th -19th November 2016.
19. Dr Nupur Ojha participated in "Workshop on Paper Writing" organized by Manipal University, Jaipur during 25th -27th July, 2016
20. Dr Nupur Ojha presented a paper "A Comparative Study of Institution wise status of Agricultural Lending through Kisan Credit Cards (KCC) in Rajasthan and Punjab" in an International Conference on Transforming Business Practices for Innovative Development and Governance at Amity University Jaipur on 1st-2nd September 2016
21. Dr Nupur Ojha presented a paper "A study on the Composition and Dynamics of Rural Credit in the Bikaner district of Rajasthan" in an International Conference on Sustainable Growth, Innovation & Revolution in the new millennium organized by RDA Jaipur during 25th -26th March 2017
22. Narendra Singh Bhati presented a paper on "The Effect of Electronic Service Quality on Customer's Online Purchase Intention" in an International Conference organized by Nepalese Academy of Management (NAM) and International Federation of East Asian Management Association (IFEAMA), Kathmandu, Nepal during 27th-29th March 2017
23. Narendra Singh Bhati presented a paper on "An empirical study of predicting consumer's intention to purchase online: Role of Theory of Planned Behavior" in an International Conference on Transforming Business Practices for Innovative Development and Governance at Amity University Jaipur on 1st-2nd September 2016.

Publication in International Journal

1. S C Sharma , "A Study of internal attributes of Mutual Fund that affects its Sales", Gurukul Business Review, 2017
2. Suhasini Verma, "Role of Financial Literacy in Achieving Financial Inclusion", International Journal of Applied Journal and Economic Research, Vol. 14.
3. Suhasini Verma, "Analysis of Residential Electricity Demand for Demand Side Analysis in Rajasthan", International Journal of Economic Research.
4. Nupur Ojha, "A Comparative Study of Institution wise

status of Agricultural Lending through Kisan Credit Cards (KCC) in Rajasthan and Punjab", Amity Management Review. Vol 5.

5. Ity Patni, "Arthashastra V/S Granthashatra Critical Analysis of Gold Monetisation Scheme (GMS) in India", International Journal of Research Granthaalayah, Vol 4 (Issue 11)
6. Nishu Gupta and Arpita Sharma, "A Study on Factors Effecting the Satisfaction Level of Mutual Funds Investors in Jaipur City", SAMVAAD: SIBM Pune Research Journal, Vol XII, 80-84, ISSN 2249-1880
7. Sunishtha Dhaka, "A social layer of customer to customer " value co-creation" as an engagement marketing tool: A transformation at societal level", International Journal of Transformation in Operational & Marketing Management, Vol 3. (1)
8. Anil Mehta, "Cluster Model for Parsimonious Selection of Variable and Enhancing Student's Employability Prediction", International Journal of Computer Science and Information Security (IJCSIS), Vol 14. (12)
9. Archana Poonia, "Corporate Sustainability: The contebcious nature- 'literature review", International Education and Research Journal.
10. Birajit Mohanty, "Sustainability Reporting Process-An Approach for Communicating Strategic Issues in Accounting", International Journal of Advance Research and Innovative Ideas in Education", Vol-3.

Publication in National Journal

1. Nupur Ojha, "A Study on The Composition and Dynamics of Rural Credit in The Bikaner District of Rajasthan", Journal of Banking, Information Technology and Management, Vol.14, No.1, ISSN 09729002X
2. Birajit Mohanty, "Financial Performance Measurement of Selected Commercial Banks using CAMEL rating system", Apeejay- Journal of Management Sciences and Technology, ISSN 2347-5005
3. Sunny Dawar and Sunishtha Dhaka, "Developing customer relationships through customer engagement in retail services brand", Amity Management Review, Vol 5, No.2, ISSN 0972-2343

Publication in Conference Proceedings

Books/Chapters published:

1. Anil Mehta, Organization Behavior, Ramesh Book Depot, ISBN No. 9788181423696, 2017
2. Anil Mehta, Human Resource Development, Ramesh Book Depot
3. Anil Mehta, Personality Development & Human Skills, Ramesh Book Depot
4. Anil Mehta, Training & Development, Ramesh Book Depot
5. Anil Mehta, Business Ethics & Ethods, Ramesh Book Depot

Faculty of Science

School of Basic Sciences

Faculty of Science includes the School of Basic Sciences which was established to teach courses in Science, Engineering and other allied streams at graduate, postgraduate and research level. The main thrust behind the establishment of the School of Basic Sciences is to promote in depth undergraduate & post graduate education and conduct research in emerging areas of Basic and Applied Sciences that will be beneficial for the Nation and the World at large. The School of Basic Sciences consists of four departments: Biosciences, Chemistry, Mathematics & Statistics and Physics. The School also offers M.Sc. by Research and Ph.D programs in the respective disciplines.

Academic Programs: During academic year 2016-17 following programs were offered:

1. B.Sc. (Pass) subjects offered, any three- Biosciences, Biotechnology, Physics, Chemistry, Mathematics, Statistics, Computer Science, Geology, Economics, Botany and Psychology.
2. B.Sc. (Hons.)- Biotechnology, Physics, Chemistry, Mathematics, Statistics and Psychology.
3. BCA
4. M.Sc. / M.Sc. by Research- Biotechnology, Physics, Chemistry, Mathematics.
5. Ph.D.

Major events organized by the School of Basic Sciences:

1. The School of Basic Sciences organized the 24th State Level Children's Science Congress in association with Department of Science and Technology Rajasthan during December 4-5, 2016. This science congress is an annual program of National Council for Science and Technology Communication, DST, Govt. of India.
2. The School of Basic Sciences successfully organized the 3rd Inspire Camp from January 31- February 04, 2017 which was sponsored by Department of Science and Technology, Government of India.
3. The School of Basic Sciences also celebrated the National Science Day from February 27-28, 2017 which was sponsored by DST, Rajasthan.

Department of Biosciences

About the Department: The Department of Biosciences, Manipal University Jaipur, was established in 2012 with the vision to provide quality teaching and research in the recent fields of Bioscience and Biotechnology. Department has well qualified, experienced and dedicated faculty members with specialization in Plant tissue culture; Molecular biology; Bio-nanotechnology; Metabolite analysis; Environment and water resources; Structural biology and Bioinformatics; Genetics; Computational biology; Biochemistry; which has been proved by their research publications in peer reviewed National and International journals of repute along with research grants for more than Rs. 1 crore from various funding agencies viz., ICMR, DST, Rajasthan, SERB, DBT, ISRO and NMPB. The courses offered by the department are envisioned to expose the students to recent exciting developments in the area of Biotechnology/ Bioscience/Botany and their applications in the industry, agriculture, pharmaceutical and medicine.

The department aims to meet the targeted demands to cater the requirements of biotechnology/ biopharmaceutical / agriculture based industries apart from fundamental research. Students are provided opportunities to carry on research projects which may help them to grasp independent projects in future. After completion of course in this area, students will be acquainted in process and products of living organisms, instrumentation, computational techniques and immune-technology. Department also has state of the art laboratories of Bioscience and Biotechnology and molecular biology which are well equipped with various instruments, plant samples of different categories, plant growth chamber, molecular biology and nano-biotechnology. Department is in process of developing green and net house along with animal cell technology facilities.

New programs, labs or initiatives started:

Department is in the process of developing green and net house.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr. A. K. Sinha	Professor & Director	Environment and water resources
2.	Dr. Abhijeet Singh	Associate Professor & Head	Molecular Biology and Nano-biotechnology
3.	Dr. M.M. Sharma	Associate Professor	Plant tissue Culture and Nano-biotechnology
4.	Dr. Sandeep K. Srivastava	Associate Professor	Structural Biology and Bioinformatics
5.	Dr. Rohit Jain	Assistant Professor	Plant Tissue Culture and Metabolite profiling
6.	Dr. Tikam Chand Dakal	Assistant Professor	Genetics, Molecular Biology and Computational Biology
7.	Dr. Manish	Assistant Professor	Infectious disease and Vaccine development

Sponsored/consultancy projects undertaken:

1. Ex situ Conservation Using In Vitro Methods of an Endangered Plant Sterculia urens Roxb: A High Volume Trade Plant for Gum Karaya"; Funding Source: NMPB, Ministry of Ayush, New Delhi (Ref No. R&D/RAJ-03/2017), Year: 24 Nov 2016, Duration: 3 Years; PI: Dr. M.M. Sharma, Co-PI: Dr. Abhijeet Singh.
2. Department has also submitted a proposal for Centre of Excellence in Biotechnology to DST, Rajasthan in July, 2017.
3. Characterization of genetic determinisms of industrially beneficially physiologic traits using QTL mapping; Funding Source: DST-SERB, New Delhi, Year: 2017, Duration: 3 Years; PI: Dr. Tikam Chand Dakal.

R&D activities:

At present department has 12 registered Ph.D. scholars and 1 Ph.D. (who is the gold medallist of the University) has been awarded from the department. The main areas of research on which faculty and research scholars are working includes conservation, microbial interaction, molecular characterization, bioactive compounds, propagation, ethno botany, cell culture & transformation studies of certain medicinal plants, genetics, molecular biology, computational biology and structural biology. Besides, exotic; weeds and desert plants available in arid and semi- arid regions of Rajasthan are being considered for investigation in detail at morphological, taxonomical, cytological, structural and molecular level. Another thrust area is isolation and molecular characterization of industrially important microbes as well as genetic fidelity analysis of tissue culture raised plants.

The laboratory has developed protocols for micro propagation of medicinal plant through plant tissue culture technique and also the protocols for synthesis of nanoparticles via biological route and their characterization.

Research papers published:

1. Mittal, J., Mishra, Y., Singh, A., Batra, A. and Sharma, M. M. 2017. An efficient micropropagation for Tinospora cordifolia (Willd.) Miers ex Hook. F. & Thoms: A NMPB prioritized medicinal plant. Ind. J. Biotech. 16: 133-137.
2. Mishra, Y., Batra, A. and Sharma, M. M. 2017. Histological Localization of Fungal Endophytes in Healthy Tissues of Adhatoda vasica Nees. Current Science, 112 (10): 2112-2115.
3. Singh, A. Chokriwal, A, Sharma, MM, Saxena, J, Jain D and Stephen J. 2017. The therapeutic role and drug delivery potential of neuroinflammation as a target in neurodegenerative disorders. Journal of American Chemical Society; ACS Chemical Neuroscience. 8: 1645−1655
4. Saxena, J., Pankaj, S and Singh, A. 2017. Biomimetic synthesis of silver nanoparticles from Penicillium chrysogenum strain FGCC/BLS1 by optimizing physico-cultural conditions and assessment of their antimicrobial potential. IET Nanobiotechnology. DOI: 10.1049/iet-nbt.2016.0097
5. Gupta, S., Jain, R., Kachhwaha, S and Kothari, S.L. 2017. Nutritional and medicinal applications of Moringa oleifera Lam. – review of status and future possibilities. Jaournal of Herbal Medicine, in press doi.org/10.1016/j.hermed.2017.07.003
6. Mittal, J., Jain, R. and Sharma, M.M. 2017. Phytofabrication of silver nanoparticles using aqueous leaf extract of Xanthium strumerium L. and their bactericidal efficacy. Advances in Natural

Sciences: Nanoscience and Nanotechnology, 8, 1-6.
7. Dakal, T.C., Kumar, D., Dhiman, G and Yadav, V. In-silico analysis of functional consequences of nsSNPs in IL-8 gene. Scientific Reports, 7: 6525, 2017. DOI:10.1038/s41598-017-06575-4 1
8. Dakal, T.C., Kumar, A., Majumdar, R.S. and Yadav, V. Mechanistic Basis of Antimicrobial Actions of Silver Nanoparticles. Front Microbiol. 7:1831, 2016.
9. Dakal, T.C., Kumar, R. and Ramotar, D. Computational structural modeling of human organic cation transporters. Comp Biol Chem, 68: 153-163, 2016.
10. Dakal TC, Giudici P, Solieri L. Contrasting Patterns of rDNA Homogenization within the Zygosaccharomyces rouxii Species Complex. PLoS ONE. 11(8): e0160744, 2016. doi:10.1371/journal.pone.0160744
11. Solieri L, Vezzani V, Cassanelli S, Dakal TC, Pazzini J, Giudici P. Differential hypersaline stress response in Zygosaccharomyces rouxii complex yeasts: a physiological and transcriptional study. FEMS-Yeast Research, 2016. 16(6). pii: fow063. doi: 10.1093/femsyr/fow063.

Conference/Symposia/Workshops/Seminars attended/presented papers by faculty members:

1. Dr. Abhijeet Singh attended a workshop on Nanostructures & smart materials and coatings organized by Manipal University Jaipur from 4-5 June, 2017.
2. Dr. Abhijeet Singh presented a paper entitled "Extracellular synthesis, characterization and antimicrobial efficacy of silver nanoparticles using Penicillium chrysogenum strain FGCC/BLS1" in conference on National conference on Fungal Biotechnology and 43rd Annual meeting of Mycological Society of India organized by BISR, Jaipur from 16-18 November, 2016.
3. Dr. Tikam Chand Dakal presented a poster on Antimicrobial actions of silver nanoparticles: next generation antimicrobial therapy at 3rd World Congress on Antibiotics and Antibiotic Resistance on Jul 31-Aug 01, 2017 at Milan, Italy. The Conference visit was supported by PDA allowance, MUJ.
4. Dr. Tikam Chand Dakal visited Institut des Sciences de la Vigne et du Vin (ISVV), University of Bordeaux, France from May 22 to Aug 05, 2017.

Invited Talks by faculty members:

1. Prof. A.K. Sinha delivered an invited lecture on "Groundwater recharge assessment and management towards water security- A case study from Kantli basin, Western India" in Indian Science Congress Association (ISCA) meet held from 3-7th January, 2017.
2. Prof. A.K. Sinha chaired a session and delivered key note address on "Groundwater resources in arid to semi-arid region: connecting dots to understand the implications of saline aquifer and recharge potentiality in part of rajasthan to sustain life and livelihood" at Vigyan Bhawan, New Delhi on 29th November, 2016.
3. Prof. A.K. Sinha chaired a session during Humbolt Kolleg Meeting from January 13-15, 2017.
4. Prof. A.K. Sinha delivered an invited lecture on "Groundwater Conservation and Regulatory Frame work" at ICED, Govt. of India on July 26, 2017.
5. Prof. A.K. Sinha delivered an invited lecture on "Sustaining Mining & Mineral Resources in Rajasthan at Kothagiri (Nilgiri Hills, Tamilnadu)" on May 14, 2017.
6. Dr. Sandeep Srivastava delivered invited lecture on "Structural Biology of Membrane Proteins" in 2nd refresher course on Life science & Biotechnology organized by UGC-HRDC and JNU, New Delhi on 18 October, 2016.
7. Dr. Sandeep Srivastava delivered a lecture on "Structural Biology of Proteins" and "Mathematics for Biologist" to students of Dept of Biotechnology, Central University of Rajasthan, Kishangarh, 17-18 November, 2016.
8. Dr. Sandeep Srivastava delivered invited lecture on "Rational drug design approaches on S. aureus NDK" at MIND-MELD: How interdisciplinary are you?, seminar organized by BISR, Jaipur and MUJ at MUJ on 29 July, 2017.
9. Dr. Rohit Jain delivered a lecture entitled "Fundamentals and Optimization of HPLC and recent advancements in HPLC for drug analysis" in National Workshop on "Recent Trends in Analytical Techniques in Life Sciences" organised by Suresh Gyan Vihar University, March 24, 2017.
10. Dr. Rohit Jain delivered invited talk entitled "Isolation and characterization of novel steroidal lactones from Withania coagulans" at "MIND-MELD – How

Interdisciplinary Are You?" seminar organized by Birla Institute of Scientific Research and Manipal University Jaipur, July 29, 2017.

Extension activities: Conferences/Seminars/Workshops organized

1. 2nd Workshop on "Scientific Association between Academia and Industry in Biotechnology for Welfare of the Society" organized by the department of Biosciences in November 2016.
2. Dr. Abhijeet Singh organized a summer project "Physico Chemical and Microbial Analysis of water" during June 1-15, 2017.

Visitors to the Dept/Invited lectures:

1. Prof. A.K. Sinha organized a lecture on "Ecology, Biodiversity, Hydrology Linkages with Landscape Dynamics" delivered by Dr. T.V. Ramachandra, Energy & Wetlands Research Group Indian Institute of Science, Bangalore in Feb., 2017.
2. Dr. Satish Kumar, Senior Scientist, Central Sheep and Wool Research Institute, Avika Nagar, Tonk delivered a lecture on "Recent advancement in Stem Cell and Transgenic Technology" on 8 Feb., 2017.
3. Prof. A.K. Sinha invited International student delegation from California State University, Channel Island USA (January, 2017) under the guidance of Dr. Nitika Parmar (Associate Professor). The student delegation visited the department of Biosciences and interacted with the faculty members.

Significant awards/distinctions:

1. Prof. A.K. Sinha acted as UGC nominee on Advisory committee of Jadavpur University, Kolkata in March, 2017.
2. Prof. A.K. Sinha was also nominee on Advisory committee of MLSU, Udaipur in September, 2016.
3. Prof A.K. Sinha was nominated as special invitee in the peer reviewed committee of NAKMP program by Ministry of Water Resources, Govt. of India.

Student activities:

1. A visit to Central Sheep and Wool Research Institute, Avikanagar, Tonk was organized on 7th October, 2016.
2. Students of the department participated in intercollegiate fest "Biochrome-2016" organized by B. Lal Institute of Biotechnology on 19-21 January 2017 and won several prizes under different competition categories.



2nd Workshop on "Scientific Association between Academia and Industry in Biotechnology for Welfare of the Society" organised by Department of Biosciences (November 2016)



Department of Biosciences visited by International student delegation under the guidance of Dr. Nitika Parmar (Associate Professor) from California State University USA (January, 2017)



Award distribution to students who won prizes in intercollegiate fest "Biochrome-2016" at B. Lal Institute of Biotechnology, Jaipur during 19-21 January 2017.

Department of Chemistry

About the department:

Department of Chemistry has been functioning since inception of Manipal University Jaipur (MUJ). The department has made significant contribution in academics and research in all areas of chemical sciences and allied branches. The students are exposed to comprehensive practical and theoretical knowledge through its academic curriculum and teaching learning pedagogy. There are fifteen full time regular faculty members who are involved in teaching-learning, research and mentorship. In addition, department conducts expert lectures, guest lectures for the benefit of students from time to time. Faculty members have published large number of research papers, book chapters and books.

Department USP's :

- Promoting faculty development activities
- Providing one to one student mentorship
- Promoting interdisciplinary research

Academic Programs:

Department follows Choice Based Credit System (CBCS) in all academic programs. Department is offering Undergraduate, Post Graduate and Ph D Programmes. B.Sc Chemistry (Hons.); B.Sc (Pass course) are offered as Undergraduate programmes and M.Sc (Chemistry) / M Sc Chemistry (By Research) is offered as Post Graduate Programme.

New Initiatives:

In order to cater the requirement of space and assuming students' strength in coming years, the department has taken initiative of establishing a new lab in upcoming academic year. In addition, department is in the process to augment the existing lab facilities to provide conducive research environment. In order to expose the students to modern day technology, department has procured some high end instruments like Atomic Absorption Spectroscopy and more are in pipeline. DBD plasma chamber has also been installed in research lab.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr Vandana Suhag	Professor	Environmental Chemistry , Inorganic Chemistry
2.	Dr. Lalita Ledwani	Professor	Natural Products, Plasma surface modification of polymers
3.	Dr. Babita Malik	Professor & HoD	Synthetic organic chemistry
4.	Dr.Tanmoy Chakraborty	Associate Professor	Theoretical and computational chemistry
5.	Dr. Rahul Shrivastava	Associate Professor	Host-Guest chemistry, Molecular recognition and Supramolecular chemistry
6.	Dr. Nitu Bhatnagar	Assistant Professor	Polymeric composites & Nanotechnology, Plasma Chemistry, Adhesion science, Biomaterials, Pesticide Analysis
7.	Dr. Veena Dhayal	Assistant Professor	Coordination chemistry, Organometallic chemistry and nanomaterials
8.	Dr. Arunava Agarwala	Assistant Professor	Inorganic Chemistry
9.	Dr. Debasis Behera	Assistant Professor	Corrosion Inhibitors, corrosion monitoring, electrochemistry, molecular modelling
10.	Dr. Rama Kanwar	Assistant Professor	Synthesis of biologically and medicinally important molecules
11.	Dr. Naveen Kumar Singh	Assistant Professor	Ecotoxicology & Bioremediation (Environmental Science)
12.	Dr. Praveen Kumar Surolia	Assistant Professor	Solar Energy and Photocatalysis
13.	Dr. Meenakshi Pilania	Assistant Professor	Organic Synthesis
14.	Dr. Sriparna ray	Assistant Professor	Organometallic Chemistry
15.	Dr. Susruta Samanta	Assistant Professor	Computational Chemistry
16.	Dr. Sarika Singh	Assistant Professor	Composite materials, Waste water treatment

Sponsored Research/ Consultancy Projects Undertaken:

Externally Funded Projects

Name of the Project	Name of the Funding Agency	Name of the Principal Investigator & Co-PI	Year of Award	Funds sanctioned (Rupees)	Duration of the project
Efficient and eco-friendly hydrophobic anticorrosion coating of nanocomposites formed by polymeric matrix and nitrogen rich heterocyclic molecules-grafted graphene oxide as nanofiller.	UGC-DAE-CSR, Kalpakkam	PI: Dr. Debasis Behera, Co-PI: Dr. Rahul Shrivastava	2017	12,58,200/-	3 Years
Fluorescent molecular probe for detection of reactive oxygen species (ROS) and metal ions.	SERB, DST, New Delhi	PI: Dr. Rahul Shrivastava, Co-PI: Dr. Arunava Agarwala	2017	21,15,520/-	3 Years
Forecasting the power output of sensitized solar cells (SSC) with varying structural and weather parameters using soft computing techniques.	SERB, DST, New Delhi	PI: Dr. Praveen Surolia , Co-PI: Dr. V.S. Dhaka	2017	68,22,695/-	3 Years
Nanoparticles Based Molecular Probes: Effective and Selective Moleular Tools for Sensing of Fluoride and other Toxic Ions from Drinking water.	DST, Rajasthan	PI: Dr. Rahul Shrivastava	2017	4,00,000/-	3 Years
Development of Innovation Technology for Waste Water Treatment From Textile Industrial Sites of Pali Regional, Rajasthan.	DST, Rajasthan	PI: Dr. Lalita Ledwani, Co-PI: Dr.Akhil Agrawal (CUR)	2017	4,00,000/-	3 Years
Internally Funded projects					
Dr. Tanmoy Chakraborty and Dr. Nitu Bhatnagar received seed money projects worth Rs. 2.90 Lakh and Rs. 2.00 Lakh respectively from the Seed money project under MUJ Endowment Fund.					

Annual Expenditure:

Budget allocated for purchase of equipment for FY 2016-17: Rs. 5, 00, 000/-

Funds consumed for consumable items for FY 2016-17: Around Rs. 3, 00, 000/-

R & D activities:

At present, the department has 10 registered Ph.D. scholars. Ms. Shabori Bhattacharya and Ms. Seema Dhail have been awarded PhD degrees in AY 2016-17 from the department. The main areas of research in which faculty and research scholars are working include bioactive nano-particles, method development using HPLC, nano-composite, heterocyclic chemistry, theoretical chemistry (DFT and QSAR studies), molecular recognition, supramolecular and nanoparticle based sensor materials, molecular characterization, sensitized solar cells, waste water treatment, coordination chemistry, organometallic chemistry and corrosion inhibitors etc.

Faculty members of our department are working in the development of nanoparticles based sensor materials for removal of pesticide residue from water bodies. The laboratory has developed protocols for synthesis of medicinally useful heterocyclic moiety and sensors materials based on nanomaterial and macromolecule based assembly and its characterization technique and also the protocols for synthesis of nanoparticles.

Publications in International Journals:

1. D. K. Singh, Debasis Behera, M. K. Singh, G.

Udayabhanu, R. P. John, Investigation on Adsorption and the Corrosion Inhibition Effect of Some Novel Hydrazide Derivatives for Mild Steel in HCl Solution, Mettalurgical and Materials Transactions A, 48, (2017) 5132–5145

2. Ciaran Lyons, Neelima Rathi, Pratibha Dev, Owen, Byrne, Praveen K. Surolia, Pathik Maji, J.M.D. MacElroy, Aswani Yella, Michael Grätzel, Edmond Magner, Niall J. English and K. Ravindranathan, Thampi, Organic Dyes Containing Coplanar Dihexyl-Substituted Dithienosilole Groups for Efficient Dye-Sensitised Solar Cells, International Journal of Photoenergy, (2017), 1073-5623
3. M. K. Atal, R. Sharma, A. Saini, V. Dhayal & M. Nagar, Synthesis and characterization of organotin(IV) semicarbazones: potential precursors for nanosized tin oxide, J. Sol-gel Sci. Technol. 79, (2016), 114-121.
4. MK Atal, A Saini, SK Jat, KS Rathore, V Dhayal, Synthesis and characterization of oxime-modified phenylimido vanadium (V) isopropoxide and their hydrolytic study, Journal of Sol Gel Science and technology, 83 (2017), 281–290
5. A Saini, SK Jat, DS Shekhawat, A Kumar, V Dhayal, DC Agarwal, Oxime-modified aluminium (III) alkoxides: Potential precursors for γ-alumina nano-powders and optically transparent alumina film, Materials Research Bulletin, 93 (2017), 373–380
6. M. K. Atal, A. Saini, Ram Gopal, M. Nagar and V. Dhayal, Synthesis and characterization of a new class of single-phase AlVO4 precursors, Materials Research Innovations 21, (2017), 172-176
7. Shikha Jain, Ganshyam Prajapat, Mustari Abrar, Lalita Ledwani, Anoop Singh, Akhil Agarwal, Cyanobacteria as efficient producers of mycosporine like amino acids, Journal of Basic Microbiology, 2017, 0233111X
8. Hemen Dave, Lalita Ledwani, S.K. Nema, Surface modification by atmospheric pressure air plasma treatment to improve dyeing with natural dyes: an environment friendly approach for leather processing, Plasma Chemistry and Plasma Processing, (2016), 2724324
9. A.K. Upadhyay, S. K. Mandotra, N. Kumar, N. K. Singh, L. Singh, U.N. Rai, Augmentation of arsenic enhances lipid yield and defense responses in alga Nannochloropsis sp., Bioresource Technology, 2016. ISSN: 0960-8524

Publications in Conference Proceedings:

1. Surface modification of Polymers using Dielectric Barrier Discharge Plasma, Lalita Ledwani, Hemen Dave and S.K. Nema, National Seminar on Climate Change and Sustainable Development, at Indira Gandhi Centre For Human Ecology, Environment and Population Studies, University of Rajasthan(June 05, 2017).
2. Cynobacterial Mycosporine Like Amino Acids and Their Derivatives as Natural Sunscreen, Sikha Jain, Akhil Agarwal and Lalita Ledwani; 5th International Conference on Green, Growth, Globalization & Governance: Challenges & Opportunities (4G conference) at JK Lakshmipat University Jaipur (February 3-5, 2017).
3. Enhancement of Anticancer Potential by Nanoparticles Synthesized using Plant Extracts: A Review, Khadeeja Parveen, Lalita Ledwani and Naresh Ledwani; 4G conference at JKLU Jaipur (February 3-5, 2017).
4. Sanjan Choudhary and Nitu Bhatnagar, "Composite Materials as Analytical Tool for Pesticide Residue Analysis", published in the proceedings of 8th International Conference on Agricultural and Food Engineering (ICAFE'16), held in Pattaya, Thailand from 14-15 December 2016.
5. Sanjan Choudhary and Nitu Bhatnagar, Composite as Adsorbent for the Removal of dyes/pesticides from Industrial Waste Water, published in the proceedings of AICON'17 to be held from 21st -22nd April 2017 at CSIT, Durg (C.G.)
6. Avani Pareek, Nitu Bhatnagar, Developing Standard Characterization Techniques of some Ayurvedic Bhasma, published in the proceedings of AICON'17 to be held from 21st -22nd April 2017 at CSIT, Durg (C.G.)

Conference/Symposia/Workshops/Seminar attended/presented papers by faculty members:

1. Prof. Babita Malik presented a paper on "A simple and Expenditious Synthesis of 2-arylamino-1,3,4-oxadiazoles and fused arylamino-1,3,4–Oxadiazoles and fused Arylamino-[1,2,4-] Trazoles using Organoiodine Reagent", in International Conference On Frontiers At The Chemistry –Allied Science Interface FCASI-2017 University Of Rajasthan Jaipur held from 22 -23 July 2017 .
2. Prof. Babita Malik participated in the CRSI–ACS Symposium on 13th July 2017 in Hyderabad, India.

3. Prof. Babita Malik presented a paper on IBD-promoted facile synthesis of 2-arylamino-1,3,4-oxadiazoles and fused arylamino-[1,2,4] triazoles in 21st CRSI National Symposium in Chemistry -2017 held at CSIR –Indian Institute of Chemical Technology ,Hyderabad India
4. Prof. Babita Malik chaired a technical session, on 4th Feb 2017 in 5th international conference on green, growth, globalization and governance and opportunities at JK Lakshmipat University, Jaipur held from 3rd-5th February, 2017.
5. Prof. Babita Malik presented a paper on "A green multicomponent reaction reusable heterogeneous nano-catalyst" in 5th International conference on green, growth, globalization and governance and opportunities at JK Lakshmipat University, Jaipur held from 3rd-5th February, 2017.
6. Prof. Babita Malik presented a paper on "Synthesis of efficient 4-[(nitro substituted-phenyl) - hydrazonomethyl]-1-phenyl-1H-pyrazole-3-carboxylate derived colorimetric chemosensor for selective sensing of fluoride ion" in National Conference on New vistas in Chemical Research at IIS University ,Jaipur HELD FROM 18 -19 JANUARY 2017.
7. Prof. Babita Malik participated in the ICTIEE 2017 Fourth international conference on Transformation in Engineering Education jointly organized by Manipal University Jaipur and IUCEE during January 11-12, 2017.
8. Prof. Babita Malik participated in the "National Workshop on "Computational, Electronics and Nanotechnology" Jointly Organized by Department of Physics & Department of Electronics & Communication at Manipal University from November 11-12, 2016.
9. Dr. Nitu Bhatnagar presented paper on the topic "Composite Materials as Analytical Tool for Pesticide Residue Analysis", in the 8th International Conference on Agricultural and Food Engineering (ICAFE'16), held in Pattaya, Thailand from 14-15 December 2016.
10. Dr. Praveen Surolia attended the 4th International Conference on Transformations in Engineering Education, January 11-12, 2017 organized by MUJ and IUCEE.
11. Dr. Praveen Surolia attended the International Conference on Physical Education and Sports Science", on January 5 -7 2017 organized by MUJ.
12. Dr. Arunava Agarwala presented paper on "Surface modification of nanoparticles by organic functionality", in the National Conference on New Vistas in Chemical Research, held from January 18-19, 2017, IIS University, Jaipur.
13. Dr. Veena Dhayal presented a paper on "Transparent alumina coating for optical application" in an International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2017) during February 2-4, 2017, SKIT, Jaipur.

Invited Talks delivered by faculty members:

1. Prof. Lalita Ledwani delivered a lecture during Manipal Student Research Colloquium on March 17, 2017.
2. Prof. Lalita Ledwani delivered a talk on Gender Equality on August 31, 2016 at Regional Staff College-Jaipur, Vijaya Bank, Govt. of India undertaking.
3. Dr. Nitu Bhatnagar delivered an Invited talk on "Future Trends in Chemistry" in the department of Chemistry at The Chinese University of Hong Kong on June 01, 2017.

Awards and Fellowships:

1. Dr. Naveen Kumar Singh got the Best paper award on the topic " Sewage treatment by Constructed Wetland : A Green technology for prevention of river water pollution" in the 5th International conference on (4Gs) Green, Growth, Globalization and Governance: Challenges & Opportunities organized by J K Lakshmipat University, Jaipur & St. Cloud State University, USA
2. Dr. Nitu Bhatnagar received the Endowment fund for International Visit to the Chinese University of Hong Kong, Hong Kong. She also received the honour of visiting faculty from the department of Chemistry and the CUHK and was provided with living expense of 2,500 HK$.

Extension activities: Conferences/Seminars/Workshops organized

A workshop on Nanostructured & Smart Materials/ Coatings (WNMC 2017) was organized by IWCEM on 4th & 5th June, 2017 at Hotel Crowne Plaza, Jaipur, India. Dr. Veena Dhayal was actively involved in organizing the workshop.

Book Published:

Dr. Tanmoy Chakraborty is the chief editor of a book titled, "Computational Chemistry Methodology in Structural Biology and Material Sciences" published by Apple Academic Press, Taylor & Francis group.

Book Chapters:

N.K. Singh, A.K. Upadhyay, U.N. Rai, Algal Biofuels: Recent Advances and Future Prospects in Algal technologies for wastewater treatment and biofuels production in an integrated approach for environmental management (Sanjay Kumar Gupta, Anushree Malik, Faizal Bux (Eds), 97-107, 2017 Springer 978-3-319-51009-5.

Student activities:

Three students of M.Sc. Chemistry participated in the summer project titled "Physico-Chemical & Microbial Analysis of Water" during 1st -30th June, 2017 jointly organized by department of chemistry and the department of Bioscience, Manipal University Jaipur. Students started the project with survey of water sources, sewage treatment plants near the village Dehmi Kalan and the university campus. Different water samples were collected from the sampling sites including RO, ground and wastewater and analyzed in the laboratory for water quality parameters (like pH, TSS, TDS, chloride, DO, BOD and E.Coli). The results were compared with the water quality standards prescribed by WHO and BIS to assess the water quality of drinking water and efficiency of sewage treatment plants. It was a good experience for us to train the students about the research methodologies, physico-chemical and microbial analysis of water etc.

Department of Mathematics and Statistics

About the Department: The department of Mathematics and Statistics is working effectively since the inception of the University. There are 20 full time regular faculty members who are deeply involved in teaching to provide quality education and promote research in core & allied areas of Mathematics and Statistics. The department not only teaches various courses of Mathematics to undergraduate and postgraduate students of different engineering, science and other streams but also runs its own M.Sc. and Ph.D programs. Presently 22 research scholars are enrolled in Ph.D. Program.

Academic Program:

The department offers B.Sc., B.Sc. (Hons.), M. Sc. by research and Ph.D. programmes in Mathematics and Statistics. Fluid Dynamics, Special Functions, Integral Transforms, Fractional Calculus, Relativity, Ring Theory, Reliability Theory, Stochastic Process, Theory of Sample Surveys, Small Area Estimations, Operations Research, Mathematical Modeling and Bio- Mathematics/ Statistics are the major thrust areas of the research work.





Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Dr. G.C. Tikkiwal	Professor & Dean FoS	Theory of Sample Surveys, Small area estimation, Educational Statistics, Stochastic Modelling
2.	Dr. S. P. Gupta	Professor	Bio Mathematics
3.	Dr. Shalini Jain	Professor	Fluid Dynamics
4.	Dr. Sunil Joshi	Associate Professor & Head	Special Functions and Integral Transforms and Fractional Calculus
5.	Dr.Indeewar Kumar	Associate Professor	Fluid Dynamics
6.	Dr.Md. Rizwanullah	Associate Professor	Optimization, Graph theory, Simulation, Mathematical programming
7.	Dr. Reema Jain	Associate Professor	Fluid Dynamics & Mathematical Modelling
8.	Dr. Anamika Jain	Assistant Professor	Sampling Theory & Theory of Sample Surveys
9.	Dr. Laxmi Poonia	Assistant Professor	Relativity and Cosmology
10.	Dr. Giriraj Methi	Assistant Professor	Partial Differential Equation, Linear Algebra Numerical Methods
11.	Dr. Ruchika Mehta	Assistant Professor	Fluid Dynamics
12.	Dr. R N Saraswat	Assistant Professor	Information Theory, Theory of Inequalities and Fuzzy Modelling
13.	Dr. Virendra S Chouhan	Assistant Professor	Fixed point theory in fuzzy metric space
14.	Dr .Garima Agarwal	Assistant Professor	Special Functions
15.	Dr. Himashu Rathore	Assistant Professor	OR-Inventory control and Modelling
16.	Dr. Monika Saini	Assistant Professor	Performance Modeling and Mathematical Analysis of queuing problem
17.	Dr. Ashish Kumar	Assistant Professor	Reliability Modelling & Analysis, Stochastic Process
18.	Dr.BhoopendraPachauri	Assistant Professor	Software Reliability
19.	Dr. Hemlata Joshi	Assistant Professor	Population Sciences, Fertility and Mortality Modeling and Applied Statistics

Sponsored/consultancy projects undertaken:

Seed money project on "Application of Fractional Calculus with Geometric Function Theory" has been sanctioned to Dr. Garima Agarwal (PI) and Dr. Sunil Joshi (Co-PI).

R&D activities:

Research papers published:

1. Ashish Kumar, Monika Saini and Kuntal Devi: Performance analysis of a redundant system with Weibull failure and repair laws. Revista de Investigacion Operacional. Vol. 37, No. 3, 247-257, 2016.
2. Ashish Kumar: Reliability Measure of an Integrated H/W and S/W System with Redundancy and Preventive maintenance. Malaya Journal of Matematik, Vol. 4(2), pp. 186-194, 2016.
3. Ashish Kumar and Monika Saini: Reliability measures of a repairable system subject to inspection and Preventive Maintenance. International Journal of Statistics and Reliability Engineering. Vol. 3, No. 2, 72-88, 2016.
4. R. N. Saraswat and Ajay Tak "Numerical bounds on divergences in terms of symmetric chi-square divergence Measure" International Journal of Technical Research and Sciences 2(3), 2017, pp. 120-129. (ISSN 2454-2024)
5. Ram Naresh Saraswat- "New development of information inequalities" International Journal of Technical Research and Sciences 1(3), 2016, pp 7-14 (ISSN 2454-2024).
6. Bali R, Poonia L, Inflationary Scenario in Spatially Homogeneous Bianchi Type IX Space-time with Flat Potential in General Relativity/journal of Ultra Scientist of Physical Sciences./ Vol 28(7)/2016/361-

366.
7. Virendra Singh Chouhan, Richa Sharma "Coupled Fixed Point Theorems Involving Rational Expressions In Partially Ordered Cone Metric Spaces", Communication in Optimization Theory (2017), Article ID 14, 1-15, ISSN: 2051-2953.
8. Virendra Singh Chouhan, Richa Sharma "Coupled fixed point theorems for rational contractions in partially ordered G- metric spaces", Int. J. of Mathematical Sciences and Applications, Vol. 6, No. 2, December 2016, ISSN: 2230-9888, 743-754.
9. Virendra Singh Chouhan, Richa Sharma "Coupled Fixed Point Results for a Contractive Condition in Ordered Partial Metric Spaces", International Journal of Science, Engineering and Management (IJSEM), Vol 1, Issue 5, September 2016, 59-63, ISSN (Online) 2456 -1304.
10. Giriraj Methi, "Reduced Differential Transform Method for Exact Solution of Parabolic and Hyperbolic Partial Differential Equations". Journal of Applied Computer Science and Mathematics, vol. 1(23), 2017.
11. Giriraj Methi," Solution of Differential Equations using Differential Transform Method, Asian Journal of Mathematics & Statistics, Vol(1) , PP. 1-5, 2016.
12. Bhoopendra Pachauri, Ajay Kumar and Joydip Dhar, Software reliability modeling using neural network with removed errors and compounded-decreased rate, international Journal of Reliability and Safety, Inderscience, 10(4), 2016, pp. 309–322
13. Garima Agarwal, Majorization Properties for Certain Class of AnalyticFunctions Associated with the Generalized Derivative Operator, Global and Stochastic Analysis, Special Issue: 25th International Conference ofForum for Interdisciplinary Mathematics, 2016.
14. Singh S.R. and Rathore H., A two warehouse inventory model with preservation technology investment and partial backlogging, International Journal of Industrial Engineering- Scientia Irenica, Vol. 23 (4), 2016.
15. Singh S.R. and Rathore H., Reverse logistic model for deteriorating item with preservation technology investment and learning effect in an inflationary environment. Control and cybernetics-Academic Journal, Vol. 45 (1), p83, 2016.
16. Ekta Mittal, Sunil Joshi, Rupakshi M. Pandey & V. N. Mishra, Fractional Integral And Integral Transform Formulae Using Generalized Appell Hypergeometric Function, Nonlinear Sci. Lett. A, Vol.8, No.2, pp.221-227, June 2017.
17. Shalini Jain, Rakesh Choudhary, Combined Effects of sunction/injection on MHD boundary Layer flow of nanofluid over horizontal permeable cylinder with radiation, Journal of advanced research in Dynamical and Control System, 2017;11:88-98, Scopus, UGC No. - 26301
18. Md. Rizwanullah, The New Approach to Traveling Salesman Problem using Branch and Bound Method with case study of Domino's Pizza Centers, Advances in Fuzzy Mathematics, Vol. 12, No. 4, pp. 1017-1033, 2017.
19. Md. Rizwanullah, Modeling of supply chain dynamics: a Lingo based three-tier distribution approach, International Journal of Education & Applied Sciences Research, Vol.4, Issue 01, Jan.-2017, pp 24-32.
20. Singh S.R. and Rathore H., A two warehouse inventory model with preservation technology investment and partial backlogging, International Journal of Industrial Engineering- Scientia Irenica, Vol. 23 (4), 2016.
21. Reema Jain, "Application of Elliptic Curves in Designing Lightweight Cryptographic Techniques" SKIT Research Journal,Vol.6, No.1, 71-74, 2016.
22. Reema Jain, "Applications of Nano Fluids in Heat Transfer Enhancement - An Outline" Sciectific Research(Accepted), 2017.
23. Singh S.R. and Rathore H./Reverse logistic model for deteriorating item with preservation technology investment and learning effect in an inflationary environment/ Control and cybernetics-Academic Journal, Vol. 45 (1), ,p83, 2016.
24. Anamika Jain, Anjali Ahuja, Jain, M "Service Halt in M/M/1 Queue with Functioning Vacation and Customer Intolerance, Global and Stochastic Analysis, , Vol. 4, No. 1, pp. 157-169, 2017, ISSN: 2248-9444, Scopus. UGC Sr. No. 13632.

25. Anamika Jain, Jain, M., "Multi server machine repair problem with unreliable server and two types of spares under asynchronous vacation policy", Int. J. Mathematics in Operational Research, Vol. 10, No.3, pp. 286-315, 2017. ISSN online: 1757-5869, Scopus (Elsevier), IF:1.26. UGC. Sr. No. 25425.
26. Anamika Jain, Jain, M., "Batch Arrival Priority Queueing System with Balking" accepted in International Conference on Industrial Engineering and Engineering Management (IEEM), IEEE, 2017.

Conference/Symposia/Workshops/Seminars attended/presented papers by faculty members:

1. Dr Ashish Kumar presented a paper "Ratio Estimators for the Finite Population Mean under Simple Random Sampling and Rank Set Sampling" in National Conference on Statistics and Optimization Techniques organized by Department of Statistics, M.D. University, Rohtak during Feb. 11-13, 2017.
2. Dr Ashish Kumar attended a National Workshop on Data Analysis using SPSS organized by Department of Statistics and Operational Research, Kurukshetra University, Kurukshetra (Haryana), March 20-21, 2017.
3. Dr Ashish Kumar attended 4th National Workshop on Scientific Computational Techniques, organized by Department of Mathematics and Statistics, Manipal University Jaipur, Jaipur (Rajasthan) during July 20-22, 2017.
4. Dr Monika Saini presented a paper "Improved Estimators for a finite population mean by using multi auxiliary information" in National Conference on Statistics and Optimization Techniques organized by Department of Statistics, M.D. University, Rohtak during Feb. 11-13, 2017.
5. Dr Monika Saini attended a National Workshop on Data Analysis using SPSS organized by Department of Statistics and Operational Research, Kurukshetra University, Kurukshetra (Haryana), March 20-21, 2017.
6. Dr Monika Saini attended 4th National Workshop on Scientific Computational Techniques, organized by Department of Mathematics and Statistics, Manipal University Jaipur, Jaipur (Rajasthan) during July 20-22, 2017.
7. Dr. Ruchika Mehta attended a National Conference on Emerging Interfaces in Fluid Dynamic and Optimization Techniques, Deptt. of Mathematics, UOR, Jaipur ,March, 25-26 ,2017 .
8. Dr. Ruchika Mehta attended one week short term course on 'Modeling & Simulation Tools, Deptt. of Mathematics, Malviya National Institute of Technology Jaipur, July 03-07, 2017 .
9. Dr. Ruchika Mehta attended "MOOCS and Digital Scholarships", Deptt. of Economics, School of Humanities and Social Sciences and School of Business and Commerce, Manipal University Jaipur, 16th June, 2017.
10. Dr. Ruchika Mehta attended Scientific Computational Techniques, SCT-2017, Deptt. of Mathematics & Statistics, Manipal University Jaipur,20-22 July,2017.
11. Dr Virendra Singh Chouhan presented a paper "Some results on Coupled Fixed Point Theorems" in Silver Jubilee International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT2016-FIMXXV)", held at Manipal University Jaipur December 2016.
12. Dr Virendra Singh Chouhan presented a paper "Coupled Fixed Point Theorems in Partial Metric space" National Conference on Computational Mathematics & Operations Research, held at B K Birla Institute of Engineering & Technology Pilani (Raj.), 15-16 October, 2016.
13. Dr Virendra Singh Chouhan attended 4th National workshop on "Scientific Computational Techniques (SCT-2017)" organized by Department of Mathematics and Statistics, Manipal University Jaipur, Jaipur (Rajasthan) , July 20-22, 2017.
14. Dr Garima Agarwal attended Scientific Computational Techniques (SCT), Manipal University Jaipur, July 20-22, 2017
15. Dr Garima Agarwal attended "First International workshop on marketing Strategy and Policy for Energy, Rural Electrification, Health and Sanitation", Manipal University Jaipur, Nov. 15-16, 2016.
16. Dr Garima Agarwal attended International Conference on Interdisciplinary Mathematics,

Statistics and Computational Technique, Manipal University Jaipur, Dec. 22-24, 2016.

17. Dr Garima Agarwal attended a workshop on Numerical techniques for Partial Differential equations, Manipal University Jaipur, July 10-14, 2017.
18. Dr Garima Agarwal attended a workshop on Engineering applications of Numerical Methods, Manipal University Jaipur, Jan. 28, 2017
19. Dr Md. Rizwanullah attended three day national workshop on "Intel HPC Code Modernization (Parallelization and Optimization)", during October 12-14, 2016, organised by Department of Information Technology, School of Computing and Information Technology, Manipal University, Jaipur.
20. Dr Md. Rizwanullah attended First International Workshop on "Marketing Strategy and Policy for Energy Rural Electrification, Health and Sanitation-2016", organized by Department of Electrical Engineering, School of Electrical, Electronics & Communication, Manipal University, Jaipur, Rajasthan, India during November 15-16, 2016.
21. Dr Md. Rizwanullah attended Silver Jublee International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT 2016-FIM XXV)", organized by Department of Mathematics and Statistics, Manipal University, Jaipur, Rajasthan, India during December 22-24, 2016.
22. Dr Md. Rizwanullah attended one week Faculty Development Program on "Computational Intelligence (Machine Based Learning)", organized by School of Computing & IT, Manipal University, Jaipur, Rajasthan, India during January 18-22, 2017.
23. Dr Md. Rizwanullah attended workshop on "Engineering Applications of Numerical Methods", organized by Department of Chemical Engineering, Manipal University, Jaipur, Rajasthan, India on January 28, 2017.
24. Dr Md. Rizwanullah attended and presented a paper "Multistage Stochastic Decision Making in Dynamic Multi-level Distribution System using Recourse Model" International Conference on Recent Advances in Pure and Applied Mathematics & 2th Annual Conference of Rajasthan Ganita Parishad", organized by Department of Mathematics and Statistics, Mohanla Sukhadia University, Udaipur, Rajasthan, India during 13-14 February, 2017.
25. Dr. Himanshu Rathore attended workshop on Engineering Applications of Numerical Methods, Manipal University Jaipur, Jan 28, 2017.
26. Dr. Himanshu Rathore attended Workshop on "Numerical techniques for partial differential equations" Department of Mathematics, VNIT, Nagpur10th -14th July, 2017
27. Dr. Himanshu Rathore attended workshop on scientific computational techniques (SCT-4), Manipal University Jaipur,20th -22th July, 2017.
28. Dr Reema Jain presented a paper "Theoretical Investigation of Thermal Properties of Nanofluids with Application to Solar Collector" Silver Jubilee International Conference of Forum for Interdisciplinary Mathematics (FIM) on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT 2016-FIM XXV), Manipal University Jaipur during December 22-24, 2016.
29. Dr Reema Jain attended 51st Annual Conference of Association of Mathematics Teachers of India during December 27-29, 2016 , Valsad, Gujarat.
30. Dr Reema Jain attended Fourth International Conference on Transformations in Engineering Education (January 11-12, 2017), Manipal University Jaipur.
31. Dr Reema Jain attended a Short Term Course on Modelling & Simulation Tools, Malviya National Institute of Technology Jaipur during July 03-07, 2017.
32. Dr Reema jain attended 4th National Workshop on Scientific Computational Techniques, organized by Department of Mathematics and Statistics, Manipal University Jaipur, during July 20-22, 2017.
33. Dr Anamika Jain attended National workshop on "Intel HPC Code Modernization (Parallelization & Optimization) in collaboration with Intel and Wipro" during 12-14 Oct. 2016 at Manipal University, Jaipur.
34. Dr Anamika Jain, participated in the Conferences and paper presented in "National Conference on Computational Mathematics & Operations Research

(CMOR-2016)" organized by Department of Mathematics, B. K. Birla Institute of Engineering & Technology Pilani, Rajasthan, India during Oct. 15-16, 2016 held at Pilani.

35. Dr Anamika Jain participated in the Workshop and paper presented in "Modelling, Optimization and Simulation of Stochastic Systems (MOSSS-2016)" organized by Mathematical Colloquium, Department of Mathematics, IIT Roorkee, on 26th Nov., 2016 held at Roorkee.
36. Dr Anamika Jain participated in the Conferences and paper presented in "Silver Jubilee International Conference on Interdisciplinary Mathematics, Statistics and Computational Techniques (IMSCT-2016-FIM XXV)" of Forum for Interdisciplinary Mathematics organized by Department of Mathematics and Statistics, Manipal University Jaipur, Rajasthan, India during Dec. 22-24, 2016 held at MUJ.
37. Dr Anamika Jain attended the workshop on "Engineering Application on Numerical Methods" organized by the Department of Chemical Engineering, Manipal University Jaipur, Rajasthan, India during January 28, 2017.
38. Dr Anamika Jain attended "International Conference on Transformations in Engineering Education 2017" jointly organized by Manipal University Jaipur and IUCEE, during January 11-12, 2017.
39. Dr Anamika Jain attended 4th National workshop on "Scientific Computational Techniques" (SCT-2017) organized by Department of Mathematics, MUJ, on July 20-22, 2017.
40. Dr Anamika Jain attended QIP Short Term Course entitled "Stochastic Modelling and Optimal Control of Engineering System" organized by IIT Roorkee, from 22.05.2017 to 26.05.2017.
41. Dr Giriraj Methi Participated and presented a paper entitled "Application of Reduced Differential transform Method for Analytical Solution of Partial Differential Equations in international Conference on Computational Mathematics & Statistics organized by Department of Mathematics & Statistics, Banasthali University and Dept. of Mathematics, UPM Malaysia from January 24-26, 2017.
42. Dr Giriraj Methi participated and presented a paper entitled "Solution of Differential equations using Differential Transform Method" in 25th International Conference of FIM on Interdisciplinary mathematics, Statistics and Computational techniques from December 22-24, 2016 organized by Department of Mathematics & Statistics, Manipal University Jaipur.
43. Dr Giriraj Methi participated in First International Workshop on Marketing Strategy and Policy for Energy Rural Electrification, Health and Sanitation-2016 organized by Dept. of Electrical Engineering, Manipal University Jaipur from November 15-16, 2016.
44. Dr Giriraj Methi participated in Scientific and Computational Techniques workshop being organised by Dept. of Mathematics & Statistics from July 22-24, 2017 at MUJ.
45. Dr Giriraj Methi successfully passed MOOC course on Teaching Adult Learners by Central Institute of Technology, Australia, August 30, 2016.
46. Dr Ram Naresh Saraswat presented a paper "New information inequalities and resistor-average distance" in International conference on recent advances in Pure and Applied Mathematics & 28th Annual Conference of Rajasthan Ganita Parishad during Feb 13-14, 2017 organized by Department of Mathematics & Statistics, University College of Science Mohanlal Sukhadia University Udaipur (Raj.) - 313 001.
47. Dr Ram Naresh Saraswat presented a paper "Symmetric chi-square divergence, bounds and resistor-average distance has presented in 25th International Conference of Forum of Interdisciplinary Mathematics" (FIM-ICMSC-2016) during December 22-24, 2016 Department of Mathematics and Statistics, Manipal University Jaipur Proceeding in Spatial issue of Global and Stochastic Analysis SI 85-90 (ISSN 2248-9444),UGC-27945.
48. Dr Ram Naresh Saraswat attended 4th International conference on "Transformations in Engineering Education" at MUJ during January 11-12, 2017.
49. Dr Ram Naresh Saraswat attended "One Week Self-Financed Workshop On Data Analytics and Machine

Learning with R from 29 May to 02 June 2017 organized by Department of Computer Science & Engineering, Motilal Nehru National Institute of Technology, MNNIT Allahabad.

50. Dr Ram Naresh Saraswat attended "One Week Faculty Development Program on "Computational Intelligence" (Machine Based Learning) January 18-22, 2017 Organized by School of Computing & IT Manipal University Jaipur.
51. Dr Ram Naresh Saraswat attended 4th National workshop on Scientific Computational Techniques organized by Department of Mathematics and Statistics, Manipal University Jaipur during July 20-22 2017.
52. Dr Ram Naresh Saraswat attended one day workshop on Engineering Applications of Numerical Methods organized by Department of Chemical Engineering Manipal University Jaipur on January, 28. 2017
53. Dr Ram Naresh Saraswat attended two day International workshop on "Marketing, Strategy and Policy for Energy, Rural Electrification, Health and Sanitation" in association with Special Interest Group (SIG) on Nov. 14-15, 2016 organized by Department of Electrical Engineering, Manipal University Jaipur.
54. Dr Ram Naresh Saraswat attended 3-Day National workshop on Intel HPC Code Modernization (Parallelization and Optimization) from October 12-14, 2016 in Collaboration with Wipro and Intel organized by School of Computing & IT, Manipal University Jaipur.
55. Dr Bhoopendra Pachauri presented a paper, Reliability Analysis of Open Source Software System Considering the Effect of Previously Released Version, in National conference on Computational mathematics & operations research (CMOR), B. K. Birla Institute of engineering & technology Pilani, Rajasthan, Indian, October 15–16, 2016
56. Dr Bhoopendra Pachauri participated in the workshop on Pedagogic & personal effectiveness, Manipal University Jaipur, November 10-12, 2016.
57. Dr Bhoopendra Pachauri participated in the workshop on Marketing strategy and policy for energy rural electrification, health and sanitation, Manipal University Jaipur, November 15-16, 2016
58. Dr Bhoopendra Pachauri attended a workshop on Engineering Application of Numerical Methods, Manipal Unversity, Jaipur, Rajsthan, India, Jan 28, 2016.
59. Dr Bhoopendra Pachauri One week short term course on 'Stochastic modeling and optimal control of engineering system, in IIT Roorkee, May 22-26, 2017
60. Dr Bhoopendra Pachauri presented a paper on 'Two dimensional software reliability growth model with removed error and compounded decrease rate' in workshop on Applied stochastic models and optimization, IIT Roorkee, May 26-27, 2017
61. Dr Bhoopendra Pachauri attended, DST sponsored 4th National workshop on Scientific Computational Techniques (SCT), Manipal University Jaipur, July 20–22, 2017.
62. Dr. Indeewar attended a National workshop on Scientific Computational Techniques (SCT),Dept. of Mathematics & Statistics, Manipal University Jaipur during July 20-22, 2017
63. Dr. Sunil Joshi participated in the fourth international conference on Transformations in Engineering Education during January 11-12, 2017 at MUJ.
64. Dr. Sunil Joshi presented a paper on Fractional Integral and Integral Transforms formula by using generalized Appell hypergeometric functions during 15th Annual conference on Special Functions and their applications at Jamia Millia Islamia University from September 9-11, 2016, New Delhi.
65. Dr Shalini Jain presented a paper on " Heat transfer over an inclined non linear stretching sheet under convective boundary conditions" UGC sponsored National Conference on Emerging Interfaces in Fluid Dynamics and Optimization Techniques organized by Department of Mathematics, University of Rajasthan, Jaipur-302004 during March 25-26, 2017.

Invited Talks delivered by faculty members:

1. Prof. G.C. Tikkiwal participated in the International Conference "JSM 2016" held at Chicago (USA) from July 30 – August 4, 2016 and presented his invited paper entitled "Calibration of weights for different classes of linear estimations under varying probability sampling design using Chi-square &

Entropy Distance Functions".

2. Prof. G. C. Tikkiwal presented his invited paper entitled "Design Effects of Complex Sampling Strategy on ANOVA mixed effects model – An Empirical Study" in the international conference on Interdisciplinary Mathematics, Statistics & Computational Techniques held at MUJ from December 22-24, 2016. The same has been published in Global & Statistical Analysis, 3 No. 3, 1-1 2 (SCOPUS).
3. Dr Reema Jain delivered a talk on "How to link concept and context in Mathematics" during 51st Annual Conference of Association of Mathematics Teachers of India (December 27-29, 2016), Valsad, Gujarat.
4. Dr. Ashish Kumar delivered a talk on "Data Analysis using SPSS" during 3rd National Workshop Scientific Computational Techniques organized by Department of Mathematics and Statistics, Manipal University Jaipur during July 20-22, 2017.

Book/Chapter Publications:

Book

Ashish Kumar, Monika Saini: Hypothesis Testing Using Statistical Software. 11, 2016, LAP Lambert Academic, Publisher, ISBN: 978-3-659-96622-4.

Book Chapter

Indeewar Kumar, Ashish Kumar, Monika Saini, Kuntal Devi: Probabilistic Analysis of Performance Measures of Redundant Systems Under Weibull Failure and Repair Laws. Computing and Network Sustainability, 07/2017: pages 11-187.

Extension activities: Conferences/Seminars/Workshops organized

1. A Workshop on Mathematics Awareness for School Children of Govt School was organized by the department during November 14-19, 2016.
2. The Silver Jubilee International Conference of FIM "Interdisciplinary Mathematics, Statistics and Computational Techniques"- IMSCT- 2016 was organized by the department during December 22-24, 2016.
3. The 4th National Workshop on Scientific Computational Techniques (SCT) was organized by the department during July 20-22, 2017.

Research Scholar's activities:

1 Nirmal Jangid attended the 4th National workshop on "Scientific Computational Techniques (SCT-2017)", organized by Department of Mathematics and Statistics, Manipal University Jaipur, Jaipur (Rajasthan) , July 20-22, 2017.
2. Murli Manohar Gaur attended the 4th National workshop on "Scientific Computational Techniques (SCT-2017)", organized by Department of Mathematics and Statistics, Manipal University Jaipur, Jaipur (Rajasthan) , July 20-22, 2017.
3. Priyanka Gupta attended the 4th National workshop on "Scientific Computational Techniques (SCT-2017)", organized by Department of Mathematics and Statistics, Manipal University Jaipur, Jaipur (Rajasthan), July 20-22, 2017.
4. Ekta Mittal, Sunil Joshi & Shilpi published a paper "Study of -generalise Lauricella function with properties", Global and Stochastic Analysis, International Journal of Mathematics Trends and Technology, Vol. 9, No. 2, 2016.
5. Ekta Mittal, Sunil Joshi & Rupakshi M. Pandey published a paper "Some properties of Euler type integral involving extended Mittag-leffler function", Boletim da Sociedade Paranaense de Matemática (InPrint).
6. Anjali Ahuja, Anamika Jain, Jain, M published a paper "Service Halt in M/M/1 Queue with Functioning Vacation and Customer Intolerance, Global and Stochastic Analysis, Vol. 4, No. 1, pp. 157-169, 2017, ISSN: 2248-9444, Scopus. UGC Sr. No. 13632.
7. Anjali Ahuja, Anamika Jain published a paper "Finite Source Multi-Channel Retrial Queueing System with an Optional Service and Balking" Springer Proceeding in RTORS, Roorkee, Dec. 2017.
8. Anjali Ahuja, Anamika Jain published a paper "N-policy M/Hk/1 queue with multiple types of interruption and working vacation", International Journal of Computers and Applications (Publisher: Taylor and Francis), 2017.
9. Anjali Ahuja attended a National conference on Computational Mathematics & Operations

Research'' organized at BKBIET, Pilani from October 15-16, 2016.

10. Anjali Ahuja attended a 25th International conference of FIM on Interdisciplinary Mathematics, Statistics and Computational Techniques'' organized by Dept. of Mathematics and Statistics, Manipal University Jaipur from December 22-24, 2016.
11. Anjali Ahuja, attended ''Manipal Student Research Colloquium (MSRC-2017)'' organized by Dept. of Mathematics and Statistics, Manipal University Jaipur from March 17-18, 2017.
12. Anil attended a workshop on Scientific and Computational Techniques organised by Dept. of Mathematics & Statistics from July 22-24, 2017 at MUJ.
13. Ekta Mittal presented a paper on study of generating function involving generalized Lauricella function during 24th international conference finite and infinite dimensional complex analysis and applications from August 22-26, 2016 at Anand International College, Jaipur.
14. Nilofer presented Research paper "A Comparative Study of LINGO based Fuzzy Hungarian approach for set based Transportation model" in Manipal Student Research Colloquium (MSRC) organized by Department of Mathematics & Statistics, Manipal University Jaipur, Rajasthan, India during March 17-18 2017.
15. Nilofer presented a paper "Combinatorial optimization in networks flow and Machining Techniques: A Retrospective and Literature Review" in UGC Sponsored National Conference on Emerging Interfaces in Fluid Dynamics and Optimization Techniques (NCEIFDOT) organized by Department of Mathematics, University of Rajasthan Jaipur, Rajasthan, India during 25-26 March 2017.



Department of Physics

About the department: The Department of Physics has its existence since the inception of the University with faculty strength of eleven members and two lab assistants along with one technical assistant for the laboratories. The mandate of the Department is to conduct teaching courses for students of science and engineering disciplines. The department is also involved in conducting interdisciplinary teaching and research. The faculty members have expertise in advanced areas of research e.g. Material science, Nanotechnology, Nano electronics, Biophysics and Plasma physics.

Laboratories: Department has state of art Labs for its B.Sc. as well as M.Sc. programmes. In particular the department is proud of fully equipped Labs. e.g. Electronics Lab., Spectroscopic Lab., Solid state Physics Lab., Materials research Lab., Nuclear Physics Lab, Optics Lab.

Faculty members & their specializations

S.NO.	Name of Faculty	Designation	Specialization
1.	Prof. B. K. Sharma	Professor and Dean R &I	Condensed Matter Physics
2.	Dr. Sushil Kumar Jain	Associate Professor & HoD	Condense Matter Physics
3.	Dr. Pushpendra Kumar	Associate Professor	Graphene synthesis, porous silicon, hydrogen energy, thin films and semiconducting nanoparticles
4.	Dr. Nilanjan Halder	Associate Professor	Semiconductor Materials, Solid State Physics, Physical Electronics, Nanotechnology
5.	Dr. Anupam Sharma	Assistant Professor	Magnetic Materials, Solid State Physics
6.	Dr. Kamakhya P Misra	Assistant Professor	Material Science, Thin Films
7.	Dr. Jagrati Sahariya	Assistant Professor	X-ray Scattering, Band structure Calculation
8.	Dr. Ashima Bagaria	Assistant Professor	X-ray Crystallography, Biomaterials and Biophysics
9.	Dr. Jyoti Chaudhary	Assistant Professor	Theoretical Plasma Physics, Instabilities, Solitary Waves, Hall Thrusters
10.	Dr. Saikat Chattopadhyay	Assistant Professor	Semiconductor Nanostructures
11.	Dr. Vipin Kumar	Assistant Professor	Theoretical Condense Matter Physics
12.	Dr. Saurabh Gupta	Assistant Professor	Theoretical High Energy & particle Physics.

R&D activities:

Sponsored/consultancy projects undertaken:

1. DST Fast track Young Scientist project Sponsored by: Science & Engineering Research Board, New Delhi , Title of project: Electronic properties and Compton spectroscopy of some magnetic alloys & compounds. P.I. Dr. Jagrati Sahariya
2. UGC-DAE CSR, Indore funded project entitled "In-situ exchange bias study of magnetic nanocaps deposited onto self-assembled polystyrene nanospheres", PI: Dr. Anupam Sharma
3. UGC-DAE CSR, Indore funded project entitled "To study high quality ultra-thin metal islands sandwiched between thin Pt,Au or Ag layers via multilayer deposition", Co-PI: Dr. Anupam Sharma.

Paper published in International/National Journal:

1. M. Kaur, K. Kabra, R. Kumar, B. K. Sharma and G. Sharma, "Investigation of structural and electronic properties of Zn3P2: Theory and Experiment" J. Electronic Mat. Vol.45, pp. 2847-2854 (2016).
2. M. Vashistha, K. Kabra, V. Vyas, R. Kumar, B. K. Sharma and G. Sharma, "Electronic structure of CuO from first-principles and experiment", Quantum Matter Vol. 5, pp. 717-720 (2016).
3. M. Vashistha, D.R. Phalaswal, K. Kabra, R. Kumar, B. K. Sharma, and G. Sharma, "Electronic structure of VO2 using Compton spectroscopy" Accepted in Materials Focus, (2016).
4. KG Jangid, A Tiwari, V Sharma, V S Kulhar, VK Saxena, D Bhatnagar, "Circular Patch Antenna with defected Ground for UWB Communication with WLAN Band

Rejection" Defence Science Journal Vol. 66 (2), 162-167, (2016).
5. S. K. Jain, "Study of Synthesis and Characterization of 5% Mn and 5% Fe Doped TiO2", Advanced Science Letters Vol. 22, No. 11, 2016.
6. J. Tripathi, A. Sharma, S. Tripathi, R. Bisen and A. Agrawal, "Modifications in optical and structural properties of PMMA/PCTFE blend films as a function of PCTFE concentration" Material chemistry and physics, Vol. 194, pp. ,172-181 (2017).
7. A. Sharma, J. Tripathi, K. C. Ugochukwu and S. Tripathi, "Optimization of exchange bias in Co/CoO magnetic nanocaps by tuning deposition parameters" Solid state communications, Vol. 254, pp. 1-5 (2017).
8. J. Sahariya, P. Kumar, and A. Soni, "Structural and optical investigations of ZnGa2X4 (X = S, Se) compounds for solar photovoltaic applications" , Material Chemistry and Physics, Vol. 199, PP. 257-264, (2017).
9. P. Kumar, A. Soni, K.C. Bhamu, and J. Sahariya, "Optoelectronic behavioral study of defect-chalcopyrite semiconductors XGa2Te4 (X = Zn, Cd)", Mater. Res. Bull, Vol. 86, PP. 131-138, (2017).
10. N.L Heda, B.S Meena, H.S Mund, J. Sahariya, K. Kumar, and B. L. Ahuja, "Electron momentum distribution and electronic response of ceramic borides", Physica B, Vol. 509, PP. 16-23, (2017).
11. Bhamu, K.C., Sahariya, J., Vyas, R. and Priolkar, K.R., "Density functional study of AgScO2 : electronic and optical properties", Pramana – J. Phys, Vol. 89, PP. 11-1-5 (2017).
12. J. Sahariya, P. Kumar, A. Soni, and K.C. Bhamu, "Electronic and optical properties of ZnAl2Se4 and its use in solar cell", Macromolecular Symposia (2017) In Press
13. P. Kumar, J. Sahariya, A. Soni, and Bhmau, K.C., "Optoelectronic analysis of CdGa2X4 (X= S, Se): A promising material for solar cell", Materials Science Forum, Vol. 900, PP. 69-73 (2017).

Paper published in International/National Conferences:

1. KG Jangid, N Choudhary, P Jain, BR Sharma, JS Saini, VS Kulhar, D. Bhatnagar, "Circularly polarized triple band glass shaped monopole patch antenna with metallic reflector for bluetooth & wireless applications" AIP Conference Proceedings, Vol. 1715, 020030 (2016); doi: 10.1063/1.4942712.
2. N Choudhary, A Tiwari, KG Jangid, BR Sharma, JS Saini, VS Kulhar, D.Bhatnagar, "Design of CPW fed printed slot antenna with circular polarization for UWB application"AIP Conf. Proc. Vol.1715, 020031 (2016); 10.1063/1.4942713.
3. Dr. Nilanjan Halder and Dr. Anupam Sharma attended International workshop on computational condense matter and material science organized by ABVIIITM Gwalior on 18th -20th November 2016.
4. Pushpendra Kumar delivered an Invited talk on "Synthesis and Characterization of Meso-Porous Silicon for several Applications", September 9 – 11, 2016, International conference on global initiatives in applied sciences and green technologies (GiAgT-2016) at SRM University, Delhi-NCR Campus, Modinagar, Ghaziabad (U. P.) India.
5. Pushpendra Kumar delivered an Invited seminar on "Functionalized Porous Silicon for Energy Storage Application" April 18, 2017 at Flinders University Adelaide, Australia.
6. Pushpendra Kumar delivered an Invited talk on "Porous Silicon Synthesis and its use as Template to Confine Organic and Inorganic Materials and to produce Nanostructures" April 19, 2017 at Adelaide University Adelaide, Australia.
7. Dr. Pushpendra Kumar attended International Workshops, Conferences and Expo for Military and Marine Applications organized by Department of Mechanical Engineering, Manipal University Jaipur on June 3-5, 2017 at Hotel Crowne Plaza, Jaipur, India.
8. N. Halder and K. P. Misra, "Effect of Annealing on Sol-gel derived TiO2 Nanoparticles in Acidic Medium" International Conference on Nextgen Electronic Technologies - Silicon to Software, VIT Chennai (ICNETS-2017) 23rd to 25th March, -2017; paper to be published in IEEE Conf. Proceedings.
9. Dr. Nilanjan Halder, "Morphological and Optical properties of Annealed TiO2 Nano particles prepared by Sol-gel route in an acidic medium" 2nd international conference on soft materials" at MNIT Jaipur from December 12-16, 2016.
10. A. Sharma, S. Tripathi and J. Tripathi, "Structural and magnetic properties of (111) oriented annealed ultrathin Co/Pt multilayers"AIP conference proceeding, vol. 1731, pp., 080036 (2016).
11. J. Tripathi, S. Tripathi, P. Tiwari, A. Sharma, A. Choudhary, and T. Shripathi, "Low Doping Concentration Studies Of Doped PVA-Coumarin Nanocomposite Films" AIP conference proceeding,

vol. 1731, pp. 080019 (2016).

12. Dr. Anupam Sharma attended International conference on magnetism and magnetic materials (ICMAGMA-2017), which was held on 1-3 February at Hyderabad and presented a paper entitled "Effect of annealing induced interfacial layer formation on magnetic properties of Co/Si (100) thin films"
13. Dr. Anupam Sharma attended "2nd international conference on soft materials" at MNIT Jaipur from 12-16 December 2016 and presented a paper entitled "Growth of Fe nanostructures by oblique angle deposition".
14. Dr. Anupam Sharma and Dr. Nilanjan Halder attended "National workshop on computation electronics and nanotechnology" at MUJ from 11-12 November 2016.
15. P. Kumar, Jagrati Sahariya, A. Soni, "A systematic approach to investigate electronic and optical property of CuGaS2 using DFT" 3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics, IEEE Xplore, pp. 7-12, 12 April 2017, ISBN: 978-1-5090-5384-1. (10.1109/UPCON.2016.7894615).
16. Jagrati Sahariya, Pancham Kumar, K.C. Bhamu, Amit Soni, "Optoelectronic analysis of CdGa2Te4 for solar cell applications: A theoretical study", International Conference on New and Renewable Energy Resources for Sustainable Future (ICONRER-2017), 02-4 February 2017, SKIT, Jaipur.
17. Jagrati Sahariya, Amit Soni, "Structural and Optical Properties of Solar cell materials, National workshop on Computational electronics and nanotechnology", Manipal University Jaipur, Nov. 11-12, 2016.
18. Pancham Kumar, Amit Soni, Jagrati Sahariya, "Optoelectronic modeling of ternary AB2C4 chalcopyrite's" International conference on recent trends in electrical and electronics and communication Engineering, Bundelkhand Institute of Engineering and Technology, Jhansi, Oct. 15-16, 2016.
19. Jyoti and R. Malik, Behavior of TSI in Magnetized Plasmas for different Plasma Oscillation to Debye Wavelength ratio, IOP Conf. Series: Journal of Physics, Vol 823 012028, (2017).
20. Jyoti, V. Joshi and T. Kumar, "Instabilities in Magnetized Inhomogeneous Plasmas with the effect of Recombination", AIP Conference Proceedings, Vol 1824, 030009 (2017), 9th International Conference on Plasma Science and its applications, organized by University of Technology Malaysia in association with AAAPT on 28th -30th November, 2016 at Langkawi Island, Malaysia.
21. Dr. Sushil Kumar Jain and Dr. K. P. Misra attended a one week programme in workshop "Recent Advances in communication technologies" from November 28 to December 3, 2016.
22. Dr. Sushil Kumar Jain attended INUP familiarization workshop at MNIT from August 26-27, 2016.
23. Dr. Sushil Kumar Jain attended one day seminar on Renewable sources of energy at MUJ, was held on June 8, 2016.
24. Dr. Sushil Kumar Jain attended first international workshop on "Marketing, Strategy, and policy for Energy Rurel Electrification, Health and Sanitation" organized at MUJ on November 15-16, 2016.

Extension activities: Seminar/Workshop/Talks organized/Special Visits:

1. Department of Physics and Department of ECE have organized a Workshop on Computational Electronics and Nanotechnology (CENT-2016) on 11-12 November, 2016.
2. Organized a talk of Dr. Eduardo Lugo from University of Monetreal, Canada, 31st December, 2016.
3. Dr. Pushpendra Kumar visited Flinders University Adelaide and Adelaide University Australia and delivered an invited talk on April 9 - 23, 2017.

Awards and Fellowships:

1. Dr. Pushpendra Kumar visited Flinders University Adelaide Australia as visiting professor and received financial support from Flinders University.
2. Dr. Jyoti Chaudhary received travel grant for attending international conference from Centre for International Co-operation in Science (INSA) on November 2016.
3. Dr. Jyoti Chaudhary was sectioned travel grant for attending international conference from DST, Govt of India.

V

Miscellaneous

Finance Statement

MANIPAL UNIVERSITY, JAIPUR

Dehmi Kalan Village, Tehsil Sanganer, Jaipur District, Jaipur, Rajasthan – 303 007

BALANCE SHEET AS AT MARCH 31, 2017

SOURCES OF FUNDS	SCHEDULE NO	(Rupees in Lakhs) 31 MARCH, 2017	(Rupees in Lakhs) 31 MARCH, 2016
Corpus Fund	1	5,060.74	5,060.74
Designated, Endowment and Other Funds	2	(8,038.47)	(7,915.16)
Loan Funds	3		
1. Secured Loan		25,508.69	22,652.86
2. Unsecured Loan		4,247.00	5,247.00
TOTAL FUNDS EMPLOYED		**26,777.96**	**25,045.44**
APPLICATION OF FUNDS			
FIXED ASSETS	4		
Gross Block		33,258.81	32,021.27
Less: Depreciation		7,332.69	5,160.91
Net Block		25,926.12	26,860.35
Capital Work In Progress		3,012.17	792.65
		28,938.29	27,653.00
INVESTMENTS	5	2,634.14	1,182.00
CURRENT ASSETS, LOANS AND ADVANCES	6		
A. Inventory		-	-
B. Account Receivable		94.58	64.09
C. Cash and Bank Balance		769.97	875.48
D. Other Current Assets		336.88	392.59
E. Loans and Advances		308.43	124.99
		1,509.86	1,457.16
Less: Current Liabilities and Provisions	7	6,304.33	5,246.72
NET CURRENT ASSETS		(4,794.47)	(3,789.56)
TOTAL ASSETS		**26,777.96**	**25,045.44**
Accounting Policies and Notes on Accounts	18	-	-

In terms of our report of even date.
For SRIRAMULU NAIDU & CO.
Chartered Accountants
Firm Regn.No. 008975S

SRIRAMULU NAIDU & CO. CHARTERED ACCOUNTANTS MANGALORE-575 003

(CA. SRIRAMULU NAIDU)
Partner
(Membership No. 018244)

Place: Jaipur
Date: 06.09.2017

For MANIPAL UNIVERSITY, JAIPUR

Dr. Sandeep Sancheti
President

Sujiban Ghosh
Chief Finance & Accounts Officer

Finance Statement

MANIPAL UNIVERSITY, JAIPUR

Dehmi Kalan Village, Tehsil Sanganer, Jaipur District, Jaipur, Rajasthan – 303 007

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON MARCH 31, 2017

		(Rupees in Lakhs)	(Rupees in Lakhs)
OPERATING RECEIPTS	**SCHEDULE NO**	**31 MARCH, 2017**	**31 MARCH, 2016**
Tuition and Other Fees	8	11,259.68	8,322.66
Other Services	9	165.26	118.94
Interest and Dividend Income	10	373.16	209.39
Miscellaneous Income	11	411.20	353.59
TOTAL OPERATING RECEIPTS		**12,209.30**	**9,004.58**
OPERATING EXPENSES			
Staff Compensation	12	3,718.56	2,708.02
Academic Expenses	13	1,789.44	1,467.08
Utilities and Services	14	863.84	704.21
Office and General	15	1,277.96	1,087.91
Finance Charges	16	2,470.73	2,464.89
Depreciation	17	2,174.57	1,881.69
TOTAL OPERATING EXPENSES		**12,295.10**	**10,313.79**
SURPLUS/(DEFICIT)		**(85.80)**	**(1,309.21)**
OPERATING SURPLUS/ (DEFICIT) - CONSTITUENT COLLEGES/HOSTELS		-	-
OPERATING SURPLUS/(DEFICIT) (Before Appropriations)		**(85.80)**	**(1,309.21)**
Less : Appropriation to Fund		-	-
OPERATING SURPLUS/(DEFICIT)		**(85.80)**	**(1,309.21)**
Accounting Policies and Notes on Accounts	18		

In terms of our report of even date.
For SRIRAMULU NAIDU & CO.
Chartered Accountants
Firm Regn.No. 008975S

SRIRAMULU NAIDU & CO. CHARTERED ACCOUNTANTS MANGALORE-575003

(CA. SRIRAMULU NAIDU)
Partner
(Membership No. 018244)

Place: Jaipur
Date: 06.09.2017

For MANIPAL UNIVERSITY, JAIPUR

Dr. Sandeep Sancheti
President

Sujiban Ghosh
Chief Finance & Accounts Officer

Human Resource Information Systems (HRIS)

a) **Faculty Development Program**

A three-day faculty empowerment programme for teachers of MUJ covering 120 employees was held from 10th to 16th November 2016. The session was taken by the Chairperson Prof (Dr) K Ramnarayan designed by and for teachers in Manipal group institutions to share and discuss experiences and insights in higher education.

b) **SMILE 2**

SMILE, a sustained approach to faculty empowerment, leadership development and succession planning started its first phase of the 2nd Version in MUJ with the introduction of the program and was held for two days i.e. 7th & 8th April 2016. Nine participants were selected for the program.

c) Skill Development Programs

(i) **ProLearn Microsoft Office Training** for junior level Non-Teaching staffs was conducted in the month of July 2017 to upgrade their knowledge about MS Excel, MS Word & MS PowerPoint.

(ii) **Advanced Microsoft Excel Training** for HR and Finance department was organized in the month of July 2017 to train them on Advanced Excel functions and its uses in the day to day work.

d) Biometric Based Attendance Management System :

To improve efficiency in maintaining the record of the attendance, leave records and to integrate attendance with payroll process, biometric system was introduce and was made live from July 1, 2017. In all 600 employee were registered.

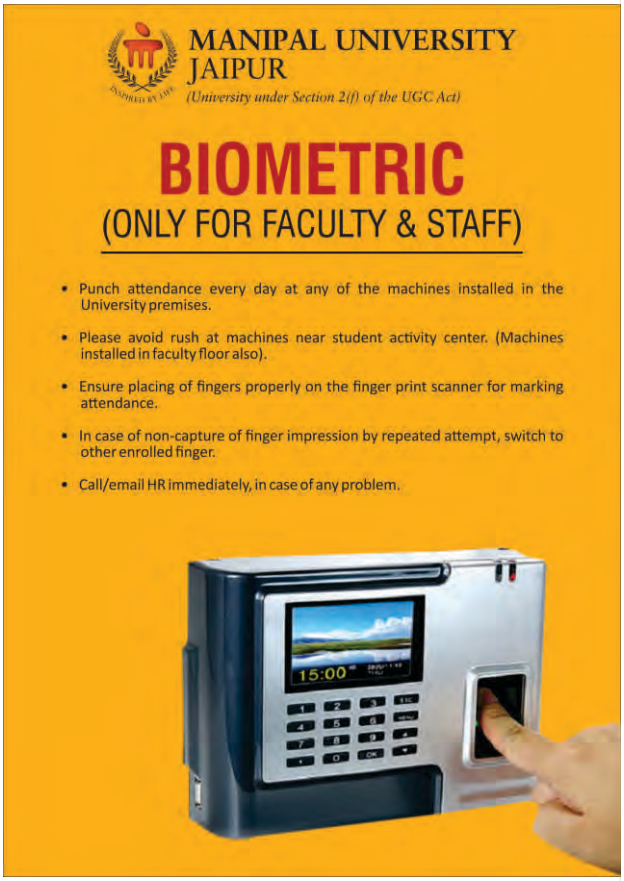
e) ESP (Employee Service Portal) :

It is an automated single platform for all employee related operations, which manages employee personal & professional information, operational work in terms of finance concerns, leave & attendance, customization of desired reports.

f) NPS (National Pension System) :

It was launched by Government of India in Feb 2004 as a sustainable solution to provide retirement income for Central Government Employees. This scheme was extended to Corporate Sector from Dec 2011.

At MUJ, it was introduced from 1st July 2017. It covers all the Teaching & Non-Teaching staff of the University.



Alumni Cell

Introduction

The MUJ Alumni Cell was established in April 2015 and its web portal (www.mujalumni.in) was inaugurated on 15th August 2015 by the President MUJ. The Cell intends to strengthen the valuable bond between the Alumni and the University by cultivating links with them and involving them in institutional as well as alumni programs and activities. The portal was created to provide a platform which caters to the MUJ alumni needs and requirements. Connect Revive Engage (CoRE) is the motto of the cell.

Objectives

- To CULTIVATE and SUSTAIN a supportive and mutually beneficial relationship with Alumni
- To SET UP and make effective use of infrastructure for communication and linkage with Alumni
- To PLAN and work in PARTNERSHIP with alumni associations in organizing special alumni events and reunion programs
- To PROVIDE support to alumni in forming new alumni associations
- To PROMOTE cooperation among alumni associations in supporting their alma mater

Portal Features

- Member Account Settings
- Extended Profiles
- Upcoming Birthdays
- Upcoming Events and Event Calendar
- Quote of The Day
- Friend Connections
- Internal Messaging
- Notifications

Activities Carried Out

- 2029 Alumni have been registered successfully through the portal
- Alumni are being engaged through portal & also telephonically. Their queries regarding official transcripts, degree certificates, convocation queries etc. are being handled and answered.
- The portal is regularly improved for more engagements by providing more functionalities and features.
- Social Media Pages on Facebook, LinkedIn, and Twitter for more engagements with Alumni have been maintained.
- Alumni Remembrance Wall and Visitor Book have been placed which were filled by Alumni during the 4th Convocation this year.
- 700 Alumni Jute Bags with MUJ Logo were distributed as memoir to Alumni during 4th Convocation
- Also, 400 laple pins with MUJ Logo were distributed as memoir to Alumni during 4th Convocation
- An Alumni interaction lecture about future technology and how to prepare for placement was conducted for 3rd year students by MTech (CNIS) 2016 batch graduate Mr. Prerit Jain on September 26, 2017.



Information on Registered Alumni

Year	No. Registered	Total Alumni
2014	128	128
2015	249	445
2016	728	758
2017	924	1011
Total	**2029**	**2342**

New Construction

Building	Floor	Area in sqm	Area in sqft
New Academic Block Phase 3 & 4	Lower Ground Floor Ground Floor First Floor Second Floor Third Floor	1818.88 3331.03 2971.19 3346.96 1245.80	19578.42 35855.21 31981.89 36026.68 13409.79
Automobile Lab	Ground Floor First Floor	505.00 511.14	5435.82 5501.91
Chemical Research Lab	Ground Floor	97.08	1044.97
Chemical Engineering Lab	Ground Floor First Floor	240.92 87.46	2593.26 941.42

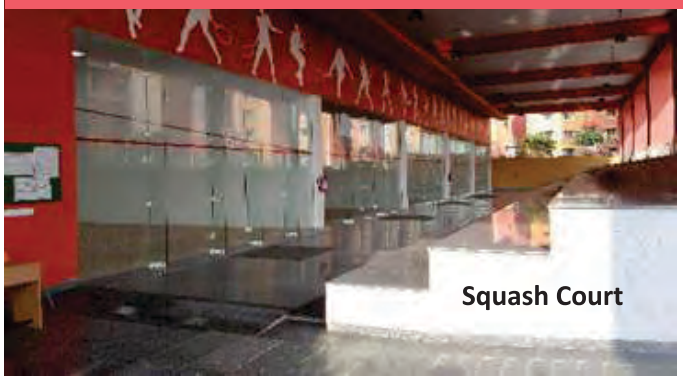
B7 Block Recreation Area

S.No	Location	Builtup Area in sqft
1.	Ground Flooor Squash Court	7887.00 sqft
2.	First Floor Indoor Games & Music Room	6571.00 sqft
3.	Second Floor Tennis Court	6863.12 sqft

Tunnel Construction

LEVEL	TUNNEL AREA STATEMENT (SQM)	AREA IN SQFT
96.15 LVL PLAN	535.33	5762.29
101.85 LVL PLAN	171.91	1850.44
104.85 LVL PLAN	211.68	2278.52
106.10 LVL PLAN	185.26	1994.14
Total	**1104.18**	**11885.39**

New Construction



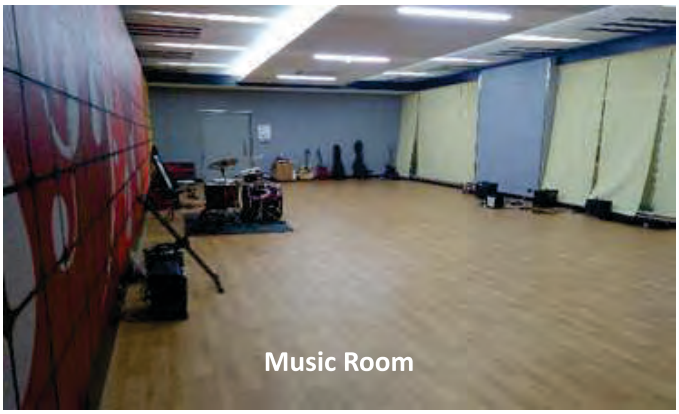
Squash Court



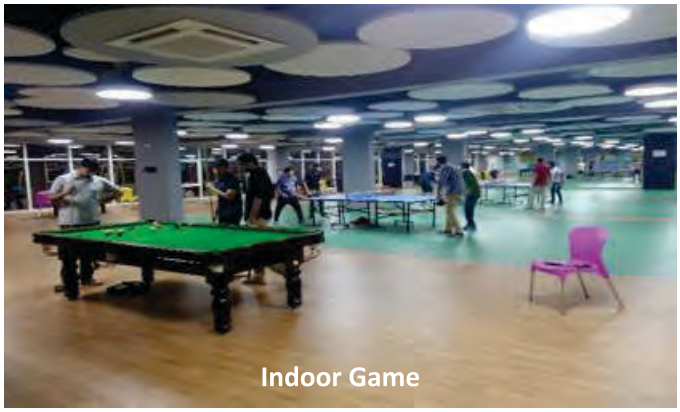
Badminton court and basketball court



Roof Top Tennis Court



Music Room



Indoor Game







VI



Significant Events - Photo Gallery

Oneiros - 2016













Republic Day - 2017





Book Fair -2016





Blood Donation Camp-2016





West Zone Tennis - 2017





Student Colloquium - 2017





Fire Training - 2017





Independence Day, August 15 - 2016





Technical Fesitival - Techideate, 2017









National Science Day



Hindi Matra Bhasha



3rd Inspire Camp



Women's Day



Principals Summit



International Day of Yoga



Awards & Recognitions



Integrated Water Management
GRIHA Award by **ADRSH**



5* Rating GRIHA A
ward by **MNRE, GOI**



LEED INDIA Platinum
Award by **IGBC**



'Swachhta' Ranking
Award 2017 by **Ministry of HRD**



Most Upcoming B-School
Award by **ASSOCHAM**



Smart Campus
Award-Digitizing India
by **CISCO-NDTV**



Best Campus Management
Solution Providers
Award by **ASSOCHAM**



Best University Campus
Award by **ASSOCHAM**



Most Promising University
with Excellent Campus in North India
Award by **Worldwide Achievers**



Best B-School Award by
Dewang Mehta National
Education Awards



Outstanding Engineering
Institute - North Award by
ABP News Channel



Asia Education Summit
Award 2017 by **Worldwide Achievers**



8th World Education
Award 2017
by **Elets Techno Media**



Indo Global Architecture Education Excellence
Award by **Indo Global Chamber of**
Commerce & Industry



Dehmi Kalan, Jaipur - Ajmer Expressway,
Jaipur (Raj.) - 303007, Rajasthan, India, Phone : +91 141 - 3999100

www.jaipur.manipal.edu