MANIPAL UNIVERSITY
JAIPUR

Apr-Jun
2025

# IOT TODAY

Latest news and bulletin updates
Technical, Curricular, Co-curricular, Research

Issue#6

## Won I Prize in Turing Hacks 2.0 at MUJ

1st – 4th April 2025

Prakhar Raj (23FE10CII00081) and the team won 1st Prize in 4-day event Turing Hackathon, organized by Department of IoT & Intelligent Systems in association with E-Cell, Directorate of Student Welfare and Turing Sapiens.


Turing Hacks 2.0 at ALPHASIA 2.0, the ultimate test of creativity, coding, and problem-solving to build functional prototypes that solve predefined challenges, competing for the ₹20K prize pool.

## Basketball League 2025 at MUJ

30 April 2025

Basketball league 2025, organized in MUJ in which Dev Taneja and Ojas Khetarpal played exceptionally and made the MUJ basketball league exciting.

## Participation in Basketball at Delhi Technological University, the AAHVAAN 2025, DTU, Delhi

11th-13th April 2025


Dev Taneja (229303259) and Ojas Khetarpal (23FE10CII00003) of team basketball participated in the AAHVAAN 2025, Annual sports fest of DTU and the team was appreciated by all.

## Participation in HackVyuha'25 at SRM University, AP

May 29 - May 31

Anubhav Vijay Ambasta (2428020044) participated in technical hackathon HackVyuha 2025 at SRM University, AP. It is not just a Hackathon, it's a Digital Warfield!

### Desk of HoD, IoT & IS

Dear Friends, remember that every challenge is an opportunity to grow. Keep pushing your boundaries and embracing new knowledge. Your dedication is the key to unlocking endless possibilities. Wishing you continued success in all domains.

**Dr. Geeta Rani (HoD),**
**IoT and Intelligent Systems**

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**Editor:**
Dr. Hemlata Goyal (Faculty)
**Sports Head**
Dev Taneja (student)
**Curricular Head**
Rhythm Taneja (student)
**Publicity Head**
Dhruv Jhadia

## GSoC 2025 program!

Vansh Kumar Singh, Selected for the prestigious Google DeepMind - GSoC 2025 program! contribute to groundbreaking AI research

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Department of IoT & Intelligent Systems in association with E-Cell, Directorate of Student Welfare and Turing Sapiens organized 4-day event series.

## Talk-A-Thon- ALPHASIA 2.0

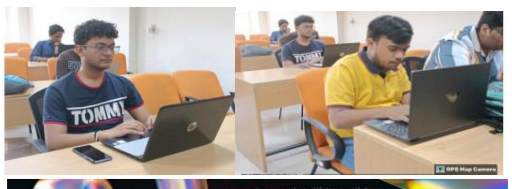
April 1, 2025

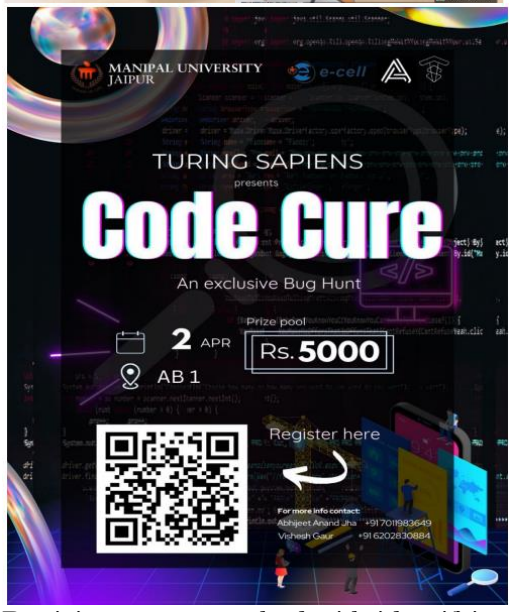

The Talkathon at ALPHASIA 2.0, accomplished professionals from various domains in technology to discuss topics ranging from artificial intelligence, cyber security, and block chain to product development and industry disruptions. Participants can interact, ask questions, and gain valuable insights that can shape their future careers. This session aims to be both informative and inspiring, offering a rare chance to learn directly from experts in the field.

## Code Cure – The Ultimate Bug Hunt!

April 2, 2025

Code Cure – The Ultimate Bug Hunt! was a fast-paced and thrilling code debugging competition.






Participants were tasked with identifying and fixing bugs in multiple rounds of increasing difficulty, designed to simulate real-world coding challenges.

## Turing Hacks 2.0 at ALPHASIA 2.0

April 4, 2025

Turing Hacks 2.0 at ALPHASIA 2.0 is the ultimate test of creativity, coding, and problem-solving. Teams will work intensively to build functional

prototypes that solve predefined challenges, competing for the ₹20K prize pool.


This hackathon is not just about winning—it's about innovation, learning, and making an impact through technology.

## Fifth International Conference on Innovations in Computational Intelligence and Computer Vision (ICICV-2025)

June 04-06, 2025


Dept of IoT and Intelligent Systems, Manipal University Jaipur- Fifth ICICV-2025: A Milestone in Computational Intelligence & Computer Vision! organized the ICICV-2025 conference from June 4-6, 2025 at CNR Nanotec, University of Calabria, Italy with associate partner CNR Nanotec, & Hansraj College, Delhi University. The conference brought together experts to share groundbreaking insights in computational intelligence and computer vision. The Keynote Speakers Riccardo Barberi (University of Calabria), Alberto Bravin (University of Milano-Bicocca), Aninda Bose (Springer Nature), Nilanjan Dey (Techno International New Town), Salvatore Nigro (CNR-NANOTEC), Benedetta Tafuri (University of Salento), Giancarlo Logroscino (University of Bari), Dharm Singh Jat (Namibia University of Science and Technology), share their expertise to authors across the globe.

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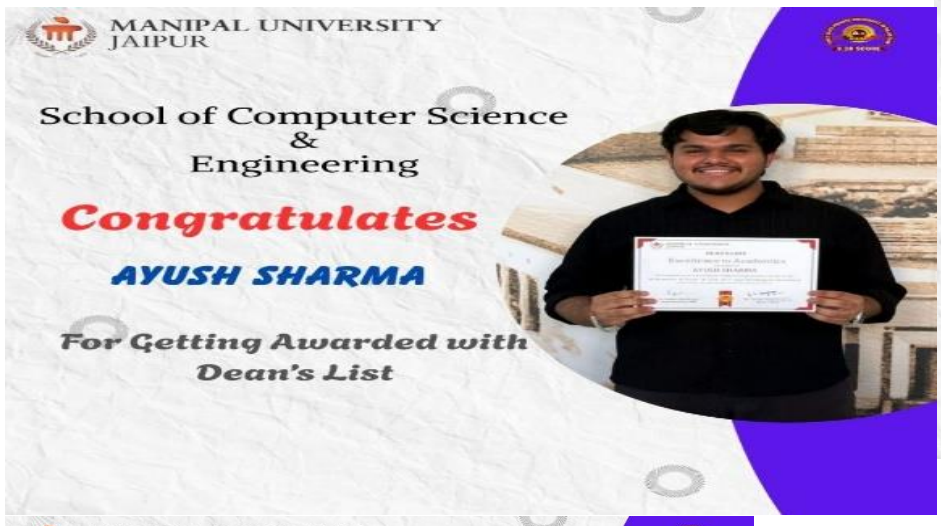
## Dean's Excellence in Academics **Apr 1,2025** Celebrating Excellence! ✨



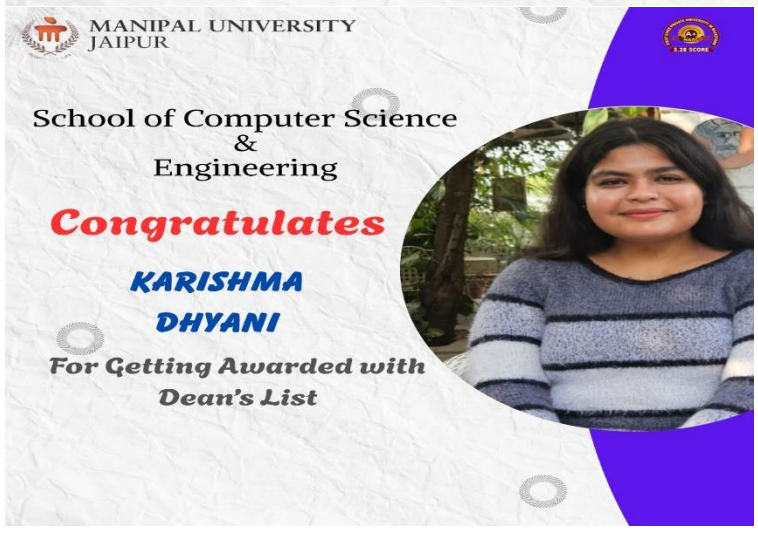
The Dean's Excellence Award ceremony was successfully held on 01.04.2025 at Smt. Vasanti R Pai Auditorium. A huge congratulations to all the outstanding achievers from the Department of IoT & Intelligent Systems, Manipal University Jaipur! Your dedication and hard work continue to inspire.

## Dean's List-Day Award

**Aug 9, 2024**








The Dean's List award at Manipal University Jaipur (MUJ) recognizes students who achieve academic excellence, typically with a high GPA. Students who make the Dean's List are celebrated for their dedication and performance, and the award is a notable academic honor, according to Indeed.com.

## Ai-Toon : Where Anime Meets AI Creativity

May 30-31, 2025


Ai-Toon is an exciting online event that brings together anime and manga enthusiasts, aspiring artists, writers, and tech-savvy creatives to explore the fusion of Japanese visual storytelling with generative AI.

Ai-Toon is an online creative event designed to introduce students to the intersection of anime/manga art and generative AI. Aimed at comic enthusiasts, the event encourages students to explore prompt engineering to guide AI in generating characters, scenes, and story elements. Through guided sessions, students will learn how to use popular generative AI platforms for text-to-image generation, comic layout design, and narrative development.

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Internship &Placement

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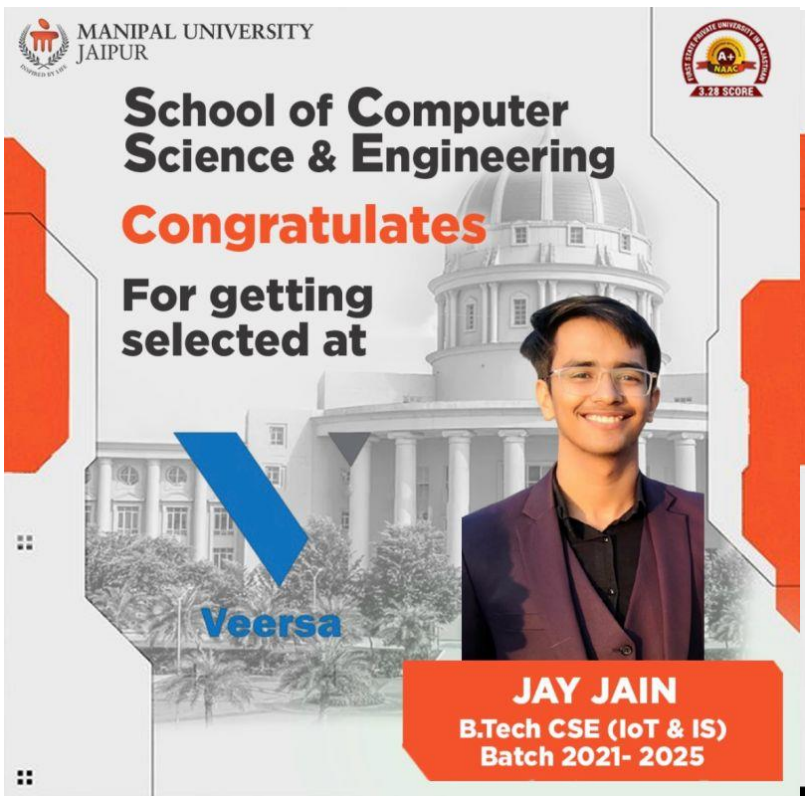


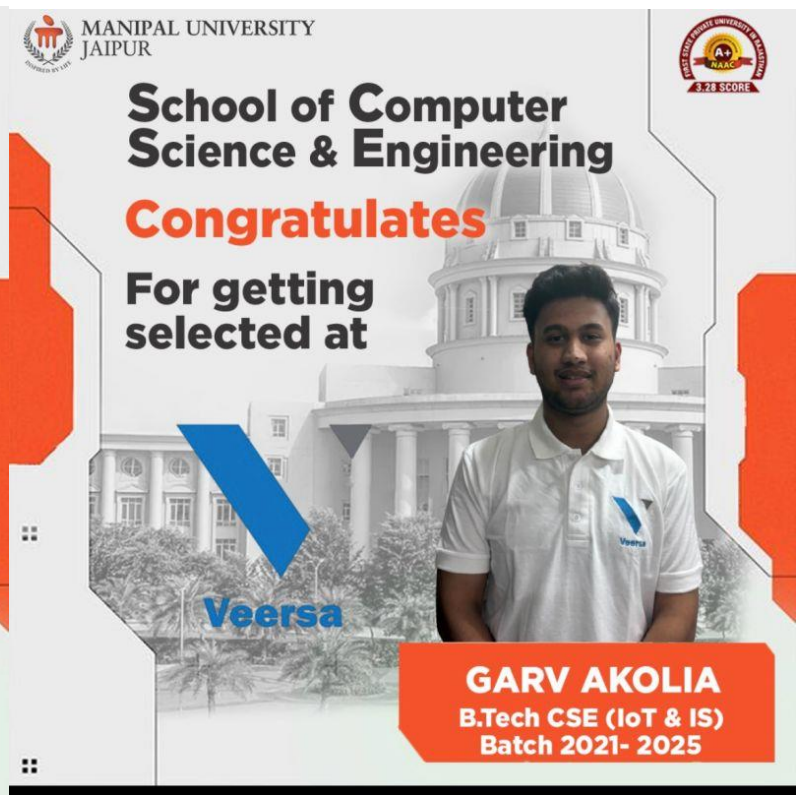


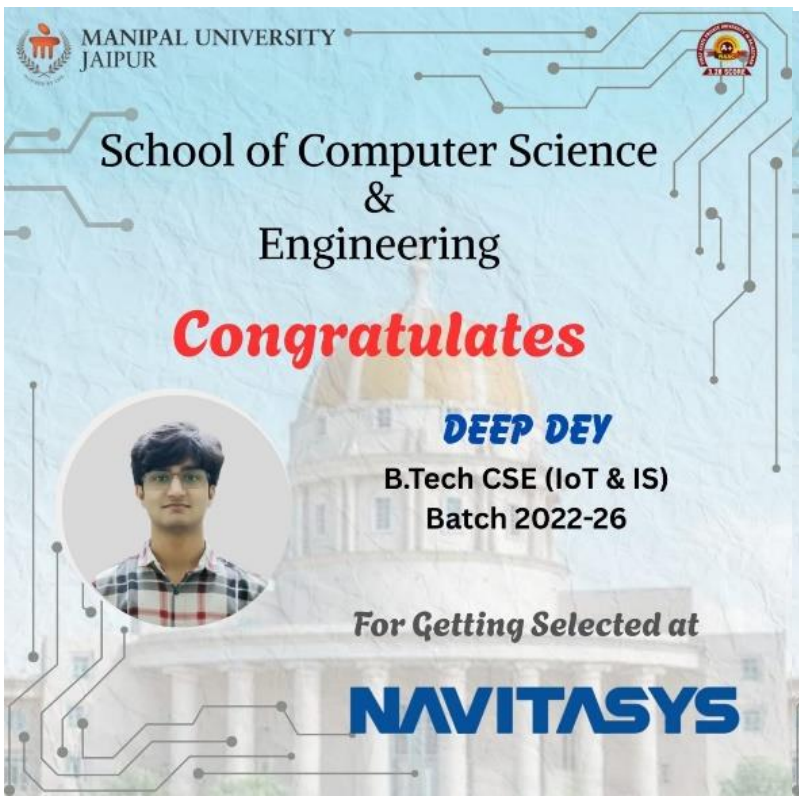


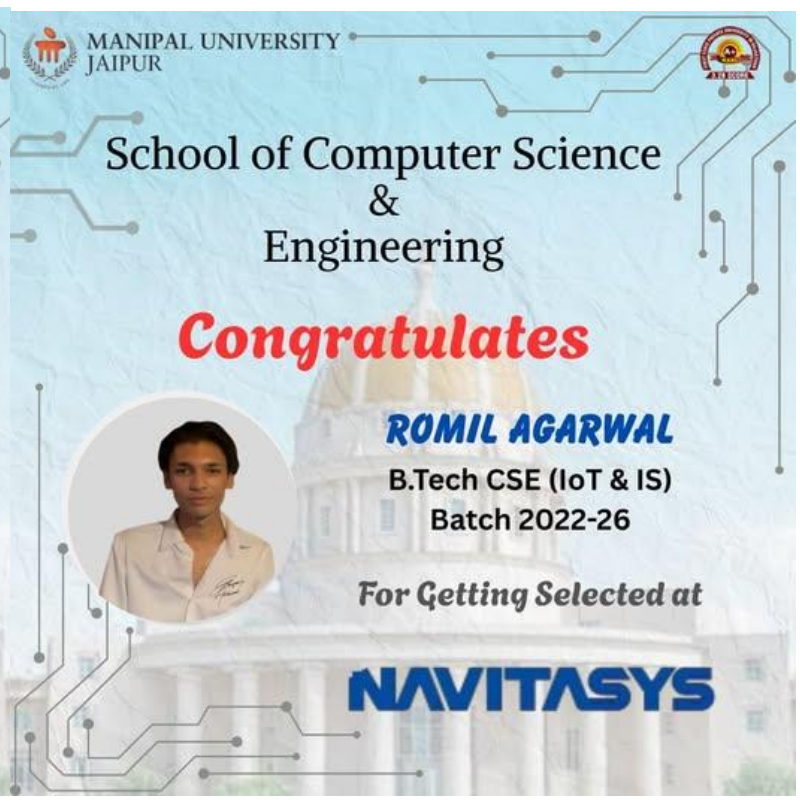



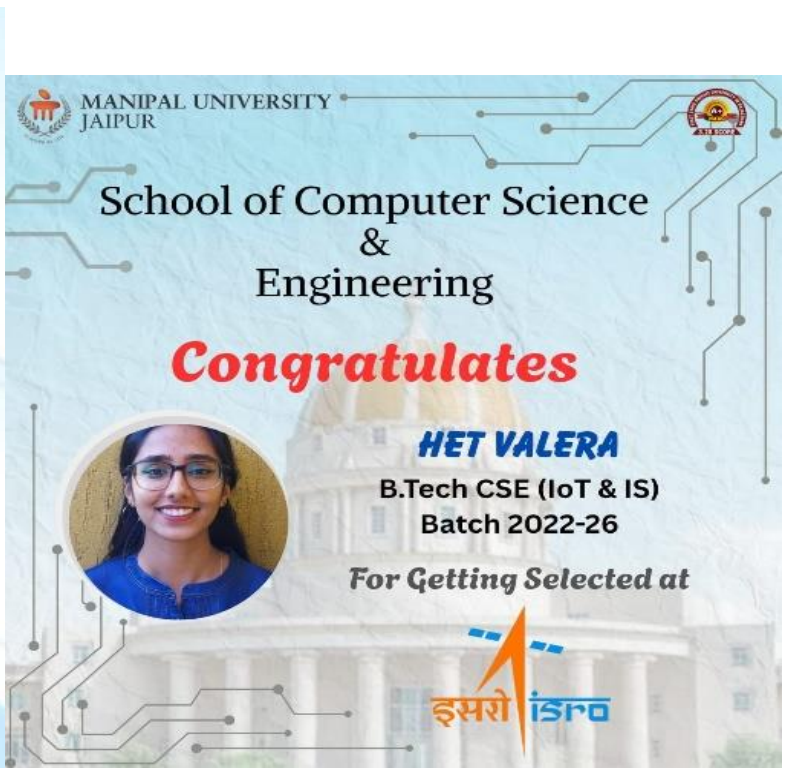

## JOURNAL PUBLICATIONS

Rani, G., Kothekar, A., Philip, S. G., Dhaka, V. S., Zumpano, E., & Vocaturo, E. (2025). Lightweight and hybrid transformer-based solution for quick and reliable deepfake detection. *Frontiers in Big Data*, *8*, 1521653.

Rani, G., Misra, A., Kundu, N., Dhaka, V. S., & Lather, P. (2025). Neural Genome Sequence Encoding for Downy Mildew Pathogen Detection: A Spatial Pyramid and Dual-Attention Approach. *IEEE Access*.

Vashisht, A., Gandhi, G. C., Kalra, S., & Saini, D. K. (2025). Hybrid robot navigation: Integrating monocular depth estimation and visual odometry for efficient navigation on low-resource hardware. *Computers and Electrical Engineering*, *124*, 110375.

Singh, S. P., Kumar, G., Ahirwar, U., Selvarajan, S., & Khan, F. (2025). Multi-objective quantum hybrid evolutionary algorithms for enhancing quality-of-service in internet of things. *Scientific Reports*, *15*(1), 1-27.

Asaithambi, S., Nallusamy, S., Yang, J., Prajapat, S., Kumar, G., & Rathore, P. S. (2025). A secure and trustworthy blockchain-assisted edge computing architecture for industrial internet of things. *Scientific Reports*, *15*(1), 15410.

Padhy, S., Dash, S., Kumar, N., & Kumar, G. (2025). A Secure COVID affected CT scan Image Encryption Scheme using Hybrid MLSCM for IoMT Environment. *IEEE Access*.

Jain, Megha , Verma, Ravi , Kumar, Sunil , Srivastava, Atul , Pillai, Anuradha & Sharma, Vijay Shankar (2025) Securing the future of wireless communications : Utilizing a blend of deep learning techniques for identifying risks in advanced communication networks, *Journal of Information and Optimization Sciences,* 46:4-A, 939–948, DOI: 10.47974/JIOS-1819

Lashkary, M., Bansal, K., Jain, S., Shukla, P. K., Tekchandani, H., & Dhaka, V. S. (2025). Detection of Alzheimer's Disease progression from Structural MRIs using ConvMixer based Deep Learning Model. *Procedia Computer Science*, *258*, 420-429.

Yang, J., Qin, H., Wang, J., Yee, L., Prajapat, S., Kumar, G., ... & Omar, M. (2025). IoT-Driven Skin Cancer Detection: Active Learning and Hyperparameter Optimization for Enhanced Accuracy. *IEEE Journal of Biomedical and Health Informatics*.

Punia, A., Tiwari, M., & Verma, S. S. (2025). A Machine Learning-Based Efficient Anomaly Detection System for Enhanced Security in Compromised and Maligned IoT Networks. Results in Engineering, 105562.

Shukla, P. K., & Chaurasiya, R. K. (2025). Home appliances control using SSVEP-based brain-machine interface and deep learning. Multimedia Tools and Applications, 1-23.

Jain, M., Verma, R., Kumar, S., Kumar, G., & Basheer, S. (2025). Enhancing Network Slicing Efficiency in 6G Networks with a Hybrid Deep Learning Approach Leveraging Crisscross Harris Hawks Optimization. IEEE Communications Standards Magazine.

Sewada, R., & Goyal, H. (2025). A Novel VGG-16 Adaptation for Multi-band Satellite Image Classification: Optimized Preprocessing and Class-specific Augmentation. Journal of Computational and Cognitive Engneering.

## CONFERENCE PUBLICATIONS

Mittal, R., Agarwal, N., Shukla, P. K., & Khatri, N. (2024, November). An Intelligent Self-Balancing Robot with Integrated Object Detection Using MobileNetV2 and PID Control. In 2024 International Conference on Intelligent & Innovative Practices in Engineering & Management (IIPEM) (pp. 1-5). IEEE.

Kumar, S., Hiremath, S., Jha, P., & Narang, R. (2025, January). Blockchain-based Optimization Algorithm for Secure IoT Communication Using AMQP. In *2025 International Conference on Ambient Intelligence in Health Care (ICAIHC)* (pp. 1-6). IEEE.

Soni, K., Gupta, A., Dhyani, K., & Kumar, S. (2025, January). Bone Fracture Detection using CNN and VGG. In *2025 International Conference on Ambient Intelligence in Health Care (ICAIHC)* (pp. 1-5). IEEE.

Yadav, U., & Kumar, G. (2025, March). Optimizing Large Scale Ontology Alignment to Establish Interoperability for Efficient Retrieval. In *2025 3rd International Conference on Disruptive Technologies (ICDT)* (pp. 1449-1454). IEEE.

## BOOK CHAPTER AND BOOK SERIES

Sharma, A. K., Dhaka, A., & Nandal, A. (2025). Ehealth Platforms Facilitate Breast Cancer: A Systematic Review. Modern Technologies in Healthcare, 78-95.

Borah, D., Nandal, A., & Dhaka, A. (2025). A Deep Learning Method for Identification of Pneumonia from Chest X-Rays. In Modern Technologies in Healthcare (pp. 1-13). CRC Press.

Singh, P. D., Saini, G. L., Singh, K. D., & Kumari, R. (2025). Dew Computing in Smart Agriculture to Improve Real-Time Data Processing and Decision-Making Capabilities for Sustainable Farming. In *International Conference on Sustainable Computing and Intelligent Systems* (pp. 245-253). Springer, Singapore.

Sridhar, M. S., Kumar, A., & Saini, D. K. (2025). Nine-Box Model for Talent Management in Private Universities. In World Conference on Information Systems for Business Management (pp. 15-23). Springer, Singapore.