



GUNJAN

A Bi-annual newsletter of ABV-IIITM Gwalior

ज्ञानस्य उत्तमं श्रोतं

January-June 2025 | ISSUE : 01/2025



Our Vision

"Global Excellence in knowledge Economy"

From the Director's Desk

I am delighted to present the first issue of Gunjan newsletter's 2025 edition before you all. This Institute, first in IIIT series is an institute of national importance, fully funded by the MoE, Govt. of India, is completing its 28th year of starting its academic program and fulfilling its mission and vision to excel in the quality education, research, and its service to local, national, and international communities.

From the academic year 2025-26, the institute is going to start 3 new MTech Program, 2 MTech+PhD and MS (AI & Data Science) added to the existing, 2-year M. Tech. program in 3 disciplines, 4-year B.Tech. (CSE; EEE: MSC), 5- year Integrated Post-Graduate (B.Tech. IT + M.Tech.; and B.Tech. IT + MBA) with an exit option of having only B.Tech. (IT) after 4 years. Institute is also offering 2-year MBA, and full/part- time/QIP Ph.D. programme in number of disciplines and has implemented NEP2020.

This issue aims to show our pursuits in achieving these objectives. I take the opportunity to highlight a few key initiatives the Institute has taken recently and its accomplishments.

- A phenomenal 98% of the eligible students from the 2025 graduating batch have attained placements with an average CTC of 28.13 lakhs per annum.
- Inter IIITs sports meet held at the Institute with participation of about 2000 students from 22 IIITs.
- Significant number of FDP/workshop/ESDP with a total financial outlay of Rs.1.2 crores resulted in collaborative and participative learning. Institute received excellent R&D funding for research.
- Constructions of a mini-health centre, Underpass and Boundary wall of pocket B have been completed. New hostel of capacity 2x250 beds will be operational by December 2025.
- Annual support of up to 1.0 lakh is provided to the research scholars for international conferences outside the country and Rs 10,000/- for conference held in India.
- Convocation 2025 will witness Prof Abhay Karandikar, Secretary DST, GoI as the Chief Guest, Prof A. K. Sood, Principal Scientific Advisor, GoI and Prof K. Malleswari, VC Sport University, Delhi will receive the DSc (Honoris Causa) degree.

I urge the fraternity to join this journey, give us your input and ideas, and show us where we can improve even more. Let's work together for a sustainable research lead academic Institute and society! I hope you'll enjoy reading this newsletter and find it interesting and insightful.

Prof. Sri Niwas Singh, Director



January 2025

1

Director Prof. Sri Niwas Singh greeted the faculty and staff of the Institute on the occasion of New Year on the 1 January 2025. He congratulated the fraternity for their achievements during 2024 and wished to continue the endeavours for 2025 as well.

2

The Department of CSE organized a technical talk on 2 January 2025 as part of the expert lecture series on Design of A Cross-Layer, Mobility and Congestion-Aware Routing Protocol for Autonomous UAV Networks. Prof. Sunil Kumar, Department of Electrical and Computer Engineering, San Diego State University, USA shared his expertise and coordinated by Dr. Avadh Kishore.

URJA'25 the Annual Intra-IIITM Gwalior Sports Fest took place from 10-12 January 2025. Dr. Vinal Patel, Dr. Praveen Kumar Singya, Dr. Purnendu Mishra and Dr. Amandeep Kaur coordinated this.

3

One day expert talk by Dr. Rahul Kumar, Senior Design Engineer at ANSYS Bangalore was held on 13 January 2025 in the department of EEE coordinated by Dr. Sandesh Jain and Dr. Praveen Singya.

A two-days Workshop on Demonstration of 5G Use Cases was held on 15-16 January 2025 in the department of IT and coordinated by Prof. Aditya Trivedi and Dr. Mahendra Shukla.

A 10 day FDP on IoT and Machine Learning for Advanced Biomedical Signal Processing was held during 15 – 24 January 2025 under E&ICT Academy, PDPM IIITDM Jabalpur and coordinated by Dr. Amit Vishwakarma, Dr. I.A. Ansari, Dr. Pragya Swami, Dr. Bishwabandhu Jana.

4

27th Foundation Day was celebrated on 17 Jan 2025 in the Institute auditorium with full vigour. On this day various awards were felicitated to faculties. Best Teacher award for 2024 was shared by Prof. Aditya Trivedi and Prof. Manisha Pattanaik in the senior category whereas, Dr. Pinku Ranjan was conferred with the Atal Research Excellence Award for 2024. Dr. Manu Korulla was the Chief Guest and Prof. D.P. Agarwal was the Guest of Honor.

5

One-day FDP on IPR for Academia and Research was organized on 25 Jan with funding from TIIC, ABV-IIITM Gwalior and coordinated by Prof. Joydip Dhar and Dr. Gaurav Pandey.

Five day Advanced ESDP on IoT Techniques in Health and Environment was organized during 21-25 January 2025 coordinated by Prof. K K Pattanaik and Dr. Manoj Kumar Dash with funding from MSME Govt. of India.

6

Institute celebrated the 76th Republic Day on 26 January 2025 with great enthusiasm and patriotic fervour. Hon'ble Director hoisted the flag and addressed the august gathering, emphasizing the importance of the Constitution and the role of education in nation-building. The celebration included cultural performances by students reflecting the nation's rich heritage and unity in diversity. As a part of the green initiative, a plantation drive was also organized.



February 2025

1

One-Day Workshop on Online Social Networks: Analysis and Mining was organized on the 2 February 2025 funded by TIIC, ABV-IIITM Gwalior. The sessions provided an overview of the different applications of Twitter followed by an understanding of the underlying mechanisms and insights in development of real-time applications. It was coordinated by Dr. Roshni Chakraborty and Dr. Anjali.

2

Two-Day TIIC sponsored workshop on Pioneering Ideas: Research, Innovation, and Technology for the Future organized by the Department of EEE during 14-15 Feb 2025 and coordinated by Dr. Manoj Singh Parihar and Dr. I.A.Ansari. The workshop reflected the institute's ongoing commitment to academic excellence, technological advancement, and entrepreneurial development.

3

The IEEE International Conference on Emerging Technologies and Applications (IEEE ICETA 2025) was held at ABV-IIITM Gwalior during 21-23 February, 2025. Department of IT organized the first edition of this flagship conference of IEEE Madhya Pradesh Section. The conference was jointly organized by all the Centrally Funded Technical Institutions of Madhya Pradesh (ABV-IIITM Gwalior, IIT Indore, PDPM-IIITDM Jabalpur, MANIT Bhopal, IISER Bhopal, IIIT Bhopal and NITTTR Bhopal).

4

One SERB sponsored workshop on Emerging Tools and Techniques for 6G Wireless Communication was organized by the Department of EEE during 21-25 Feb 2025. Dr. Binod Prasad, Dr. Vinal Patel, and Dr. Pragya Swami coordinated the workshop. It focussed on the convergence in wireless technologies to support billions of devices with resilient and robust connections.

5

A five-day MSME sponsored AESDP on Startup Awareness for SC/ST Women was organized during 31 Jan to 4 Feb 2025. The program was coordinated by Dr. Veena Anand and Dr. Anjali.



A Alumni meet was held during 15-16 February 2025 that brought alumni from across the globe to celebrate memories, milestones, and moments. Director, Prof. S.N. Singh addressed the alumni and urged them to help the institute outreach. Prof. Anurag Srivastava, DAER, briefed about several alumni engagement programs and the dignitaries **M** launched the IIITM Gwalior Alumni Directory and Alumni Identity cards.

N The Distinguished Alumnus Awards were conferred to Aparna Mangla (IPG 2002- 2007), Parminder Singh Kakria (IPG 2000-2005), Yogesh Kumar Meena (IPG 2005-2010), Arpita Kapoor (IPG 2008-2013), and Milan Singh (IPG 2012-2017) for their exceptional contributions and achievements.

M The Silver Jubilee Felicitation, celebrating 25 years of completion, honoured the first batch (1998-2003), including Biju Cherian and Lalit Gupta, while the Crystal Jubilee, marking 15 years of completion, celebrated the MBA, MTech, and IPG batches of 2008-2010, with graduates Aradhana Saxena, Aditya Arora, Priyanka Ataria, Prashant Yadav, Anand **T** Agrawal, Yogesh Kumar Meena, Vikrant Vikram Singh Sisodiya, and Alkendra Singh Aporiya.



February 2025

Glimpses of Alumni Meet



March 2025

1

Implementation of NEP 2020, Embracing Indian Knowledge Systems TIIC sponsored two-days workshop titled Implementation of NEP 2020, Embracing Indian Knowledge Systems was organised on 01 March 2025.

2

Institute organized a two days workshop titled IMPLEMENTATION OF NEP 2020, EMBRACING INDIAN KNOWLEDGE SYSTEMS during 01-02 March 2025 sponsored by TIIC, ABVIITM Gwalior, emphasising Research, Innovation and Technology.

3

The 3rd edition of IATMSI-2025 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation, was organised during 06-08 March 2025 by the EEE Department and ABV-IIITM IEEE Student Branch. Prof. Bhim Singh from IIT Delhi was the Chief Guest of the Inauguration Ceremony and Prof. Shantanu Bhattacharya, Director, CSIO Chandigarh was the Chief Guest in the valedictory Ceremony.



March 2025

4

One-day workshop on Blockchain Technology titled Data to Decentralization: The Blockchain Revolution sponsored by TIIC, ABV-IIITM Gwalior was held on 08 March 2025 at the IT Department. This workshop provided a comprehensive insight into blockchain fundamentals, applications, hands-on experience, and its transformative potential across industries. It was coordinated by Dr. Poornima Singh Thakur.

5

The International Conference on AI-driven Human-centric Solutions and Sustainable Transformations (AI-HCSST 2025) was held during 09-11 March 2025 at the Department of Management Studies. Prof. Gyan Prakash was the Organizing Secretary of the Conference.

Holi Festival was celebrated among the faculty and officers of the institute on 14 March. Director Prof. S.N. Singh congratulated everyone and wished for harmony and cooperation on this occasion.

6

The 7th Inter-IIIT Sports Meet 2025 Hosted by ABV-IIITM Gwalior during 20–23 March 2025. This national-level sporting extravaganza witnessed enthusiastic participation from 22 IIITs across India, with over 2000+ student athletes competing in more than 15+ different sports. The event commenced with a grand inaugural ceremony on 20 March 2025, graced by Olympian and Padma Shri awardee Yogeshwar Dutt as the Chief Guest. IIITDM Kanchipuram won the Winners Trophy. The host institute, ABV-IIITM Gwalior, delivered an outstanding performance, securing 4th place in the Mens Championship.

7

A Short Term Course on Game Theoretic Optimization in EV Charging Infrastructure was organized during 19 – 25 March 2025 in the department of CSE as a part of the SPARC project. Prof Pramod Kumar Singh and Dr. Avadh Kishor coordinated the event.



April 2025

1

Department of Information Technology organized an EICT Academy IIITDM Jabalpur funded Online FDP titled Machine Learning for Social Good during 02-09 April 2025. Dr Roshni Chakraborty, Dr. Vijaypal and Dr. Sunil Kumar coordinated this event. Speakers from Foreign Institutes, IITs, IIITs, and other reputed Institutes delivered their sessions.

2

Department of Information Technology organized a 5-day FDP on Innovation & Entrepreneurship from 21-25 April 2025. This FDP was sponsored by AICTE and the Ministry of Education's Innovation Cell. Dr. Veena Anand and Dr. Manoj Kumar Dash coordinated this event.

3

One-week FDP on Advanced Hybrid Antennas Design for 5G/ 6G Communication was organized by the Department of Electrical and Electronics Engineering during 21- 26 April 2025. Dr. Pinku Ranjan, Dr. Rakesh Chowdhury, and Dr. Manoj Singh Parihar Co-ordinated this event.

4

Institute observed the International Intellectual Property (IP) Day on 26 April 2025. Institute signed an MOU with S. S. Rana & Co., New Delhi, as its official partner for managing patent filing activities on behalf of the Institute. Prof. Joydip Dhar and Dr. Gaurav Pandey coordinated this event.

5

Department of Information Technology organized FDP on Explainable AI in Computer Vision for Precision Agriculture during 23–30 April 2025. This event was coordinated by Dr. Poornima Singh Thakur. Another five-days FDP on Innovation and Entrepreneurship was organized by Department of Information Technology and sponsored by AICTE/MoE's Innovation cell. It was coordinated by Dr. Veena Anand and Dr. Manoj Kumar Dash during 21- 25 April 2025.

6

Department of Management Studies organized a one-day workshop on Sustainable and Resilient Entrepreneurship on 26 April 2025, sponsored by TIIC. Dr. Manoj Patwardhan and Dr. Arun Kumar Coordinated this event.



May 2025

1

One week workshop on Hands-on FPGA Training on Advanced Digital System was held during 02-08 May 2025 in the Department of EEE. Dr. Gaurav Kaushal coordinated this event.

One-day Workshop on AI for IoT: Revolutionizing Smart Devices Security was organized under the Low Engagement Program and sponsored by the TIIC-ABV IIITM Gwalior in the department of Information Technology coordinated by Dr. Saumya Bhadauria and Dr. Saswata Roy.

2

Five-Day Workshop on Physics-Driven Machine Learning for Fluid Dynamics with Special Reference to Weather Prediction (PDMF-2025) was organized by department of Engineering Sciences during 06 - 11 May 2025. It was coordinated by Dr. Kapil Kant and Dr. Prabir Barman. Another one-day workshop on Recent Trends in Mathematical Research RTMR-2025 organized by the Department of Engineering Sciences on 07 May 2025 and coordinated by Prof. Joydip Dhar.

3

A workshop on Crafting Innovative Startups from Research Excellence was organised to encourage students, researchers, and young entrepreneurs on 10 May 2025 in the Department of Engineering Sciences coordinated by Dr. Purnedu Mishra and Dr. Prabir Barman. Prof. Ganesh Bagler from IIIT Delhi delivered the session.

4

A TIIC sponsored 2 days workshop on Quantum Leap into the Future: Exploring Foundations, Frontiers, and Applications was organized during 13-14 May 2025 by department of EEE and coordinated by Dr. Gaurav Sharma and Dr. Biswabandhu Jana.

5

JOSH 2025—Swimming Summer Camp was held during 10-31 May 2025 for the kids of IIITM Campus. Coach Mr. Manvendra Singh Chauhan facilitated the participants.

To commemorate the birth anniversary of Swami Vivekananda and his contributions made to Indian culture and knowledge systems the Institute conducted a series of events related to his life and contributions. It was coordinated by Dr. Kapil Kant.

Semester results were published by 20 May and the summer term was started from 21 May.



June 2025

1

Environment day was observed on 05 June 2025 in the Institute. Hon'ble Director, Faculty, Officers and Staff carried a massive plantation drive on this occasion. Support staff from horticulture and services were felicitated for their contributions made in up keeping of Institute gardens. Dr. Manoj Kumar Dash briefed about the various measures planned for the beautification of the campus.

2

भारत सरकार के क्षेत्रीय कार्यान्वयन कार्यालय (मध्य) भोपाल के उपनिदेशक (कार्यान्वयन) एवं कार्यालयध्यक्ष द्वारा संस्थान में आगमन कर हिंदी राजभाषा संबंधी निरीक्षण दिनांक 10 जून 2025 को हुआ। उपनिदेशक महोदय संस्थान के विभिन्न विभागों जैसे कि प्रशासनिक, स्थापना, अकादमिक, लेखा/वित्त विभाग, एवं तकनीकी अनुभाग इत्यादि में राजभाषा कार्यान्वयन एवं हिंदी के मूल प्रयोग के सम्बन्ध में भौतिक निरीक्षण किया। उन्होंने संस्थान के हिंदी समिति के सदस्यों से चर्चा कि एवं उनकी सराहना कि।

3

International Yoga Day 2025 was celebrated on 21 June 2025 at the Sports Complex with the theme "Yoga for One Earth, One Health." On this occasion, Hon'ble Director of the institute, Prof. S.N. Singh, highlighted the significance of yoga and encouraged all participants to incorporate it into their daily routine. He emphasized that yoga is not only beneficial for physical and mental well-being but also serves as a powerful tool for fostering a balanced and holistic lifestyle.

4

AICTE-QIP-PG certificate programme on Intelligent systems: synergy of artificial intelligence, drones and EVs was organized by EEE department during 16-27 June 2025. This event was coordinated by Dr. Manoj Singh Parihar, Prof. Manisha Pattanaik and Prof. Pankaj Srivastava.

5

A national-level hackathon HACKSAGON 2025 was organized by the IEEE Student Branch, ABV-IIITM Gwalior during 28-29 June 2025. This event brought together young minds to ideate, innovate, and develop impactful technological solutions over an intensive 36-hour coding and prototyping challenge. Dr. Pinku Ranjan and Dr. Somesh Kumar coordinated the event.

6

Two-stage operational amplifier for Electrogram of iPACE-CHIP is developed by EEE department under the C2S project. This ASIC will be used in the electrogram block of implantable pacemaker to boost the weak heart signal to a detectable level. Prof. Manisha Pattanaik and her team were instrumental in this endeavor.

Nasha Mukht Bharat (Drug-free India) campaign was observed during 12 – 26 June 2025 with a focus on unified action awareness and public participation.



Faculty Achievements

Projects Awarded

List of projects granted				
S.NO	P.I.	Title of Project	Project Cost (Rs.)	Period
1	Dr Veena Anand	Multimodal Fall Detection India	10,00,000	2 Years
2	Dr Anjali	Wellness Sense: Autonomous System for Smart Preventive Lifestyle Management	18,20,000	2 Years
3	Dr Gaurav Sharma	Development of Securev/Mixed Terahertz Underwater Wireless optical Communication systems for Naval applications	58,00,000	3 Year
4	Dr Amandeep Kaur	Developing Standardized RF Data frameworks for AI Powered 6G Networks	57,00,000	3 Years
5	Dr Somesh Kumar	Design of Compact MIMO Circularly Polarized Antenna for Next Generation Wireless Communications	6,09,400	18 Months
6	Dr Narendra Singh Punni	Relevance of Clinical Evidence Data for Determining Insurance Premium and Coverage	7,10,000	2 Year
7	Dr Alok Kamal	Highspeed Stochastic Simulation Framework for Nano structured Materials in Advanced Biomedical Applications	30,70,000	2 Years
8	Dr Prabir Barman	Micro Organism Physics Driven neural networks (MOPD -NNs) for thermo bioconvection in porous cavities	33,51,952	3 Years
9	Dr M K Dash & Dr. Veena Anand	A Study on the social integration of disabled persons and use of AI Assistance Technology research: The Contribution of higher Education in India.	40,00,000	3 Years
10	Dr. Jeevaraj S & Dr. Pragya Shukla	Aggregation operators on different classes of intuitionistic fuzzy numbers and its applications	15000 SAR (Rs.342000/ approx.)	13 Months

Invited Talks

The Institute faculty delivered 42 technical talks in various FDPs, seminars and conferences organized by Institutes/Universities/Government departments etc.

Joining of New Faculty



Prof. Ritu Tiwari
Professor,
Department of IT



Dr. Vivek Kumar Singh
Asst. Professor,
Department of IT



Dr. G. Bhanu Chander
Asst. Professor,
Department of IT



Dr. Yashwant Singh Patel
Asst. Professor,
Department of ES



Dr. Rohit Kumar
Asst. Professor,
Department of ES



Dr. Anshul
Asst. Professor,
Department of IT

Publications

Source SCI

Publications

42

Total

From 1989 to 2025

Citing Articles

10 Analyze

Total

7 Analyze

Without self-citations



Times Cited

10

Total

7

Without self-citations



0.24

Average per item

SCI Author wise

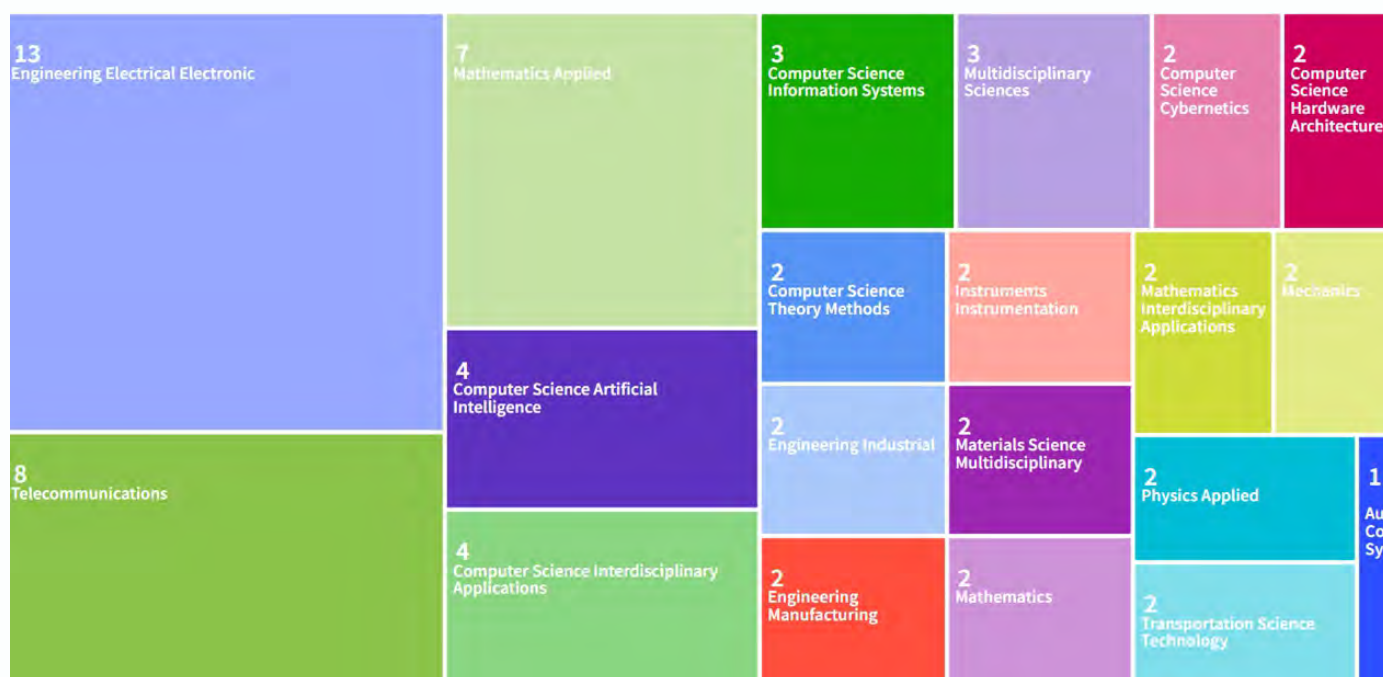


SDG Wise



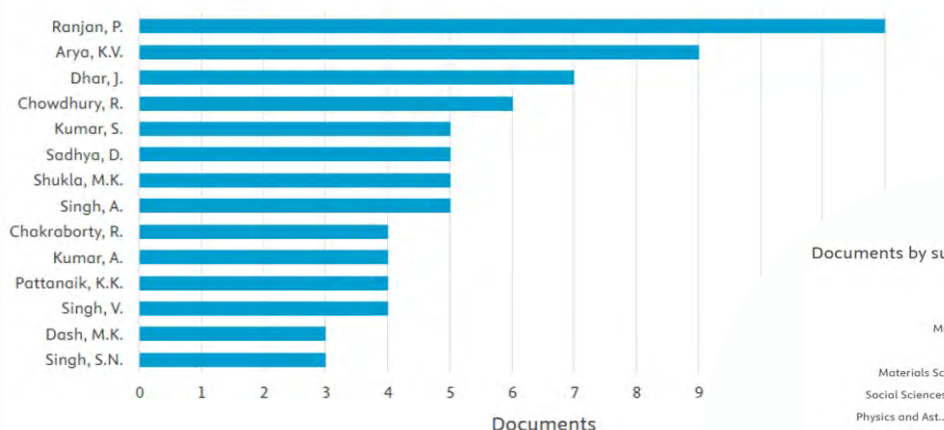
Publications

SCI Area wise

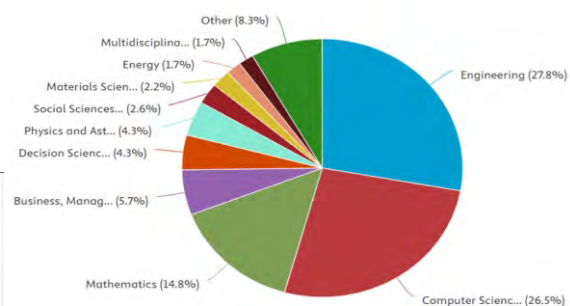


Documents by author

Compare the document counts for up to 15 authors.

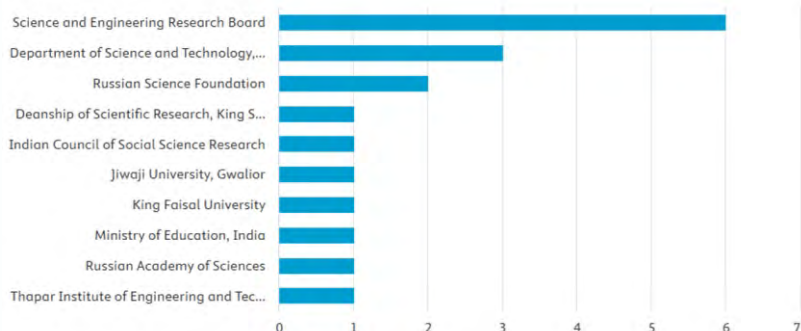


Documents by subject area



Documents by funding sponsor

Compare the document counts for up to 15 funding sponsors.



(SCOPUS Indexed Publication: 116)



Graduating Batches of 2025

IMT 2025



IMG 2025



CSE 2025

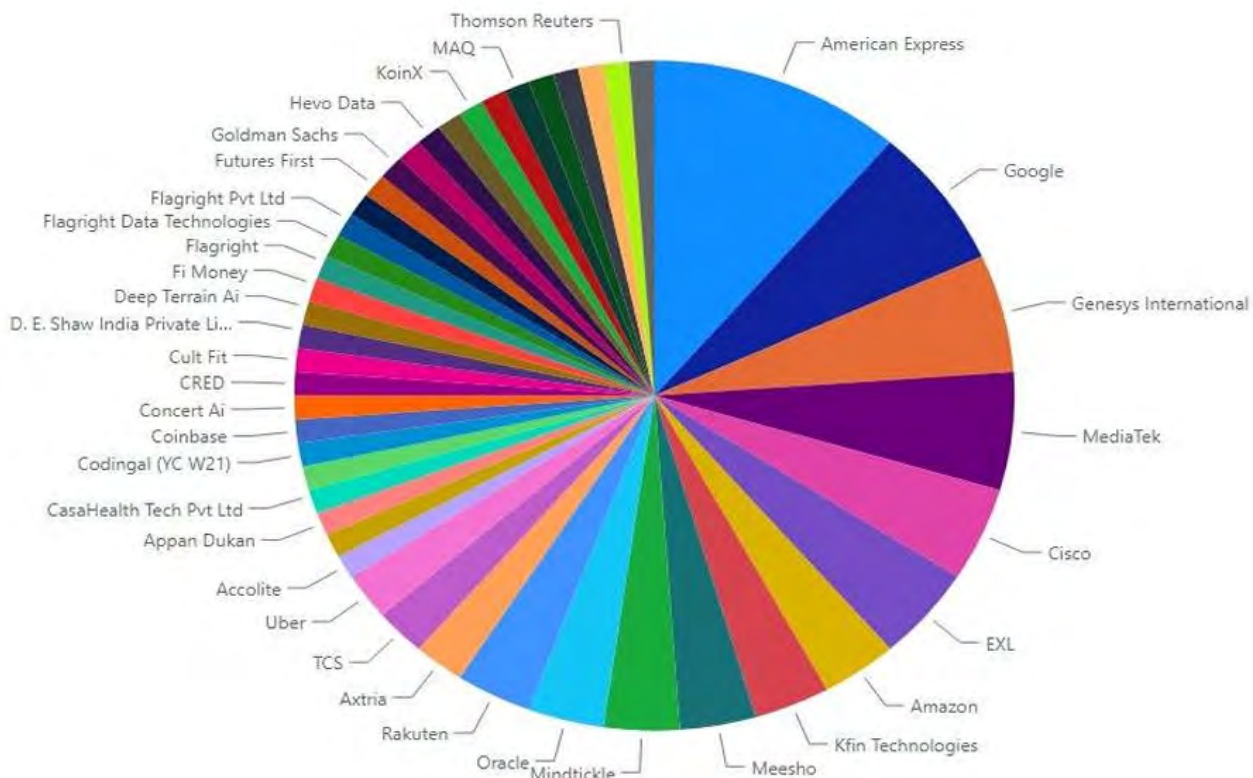
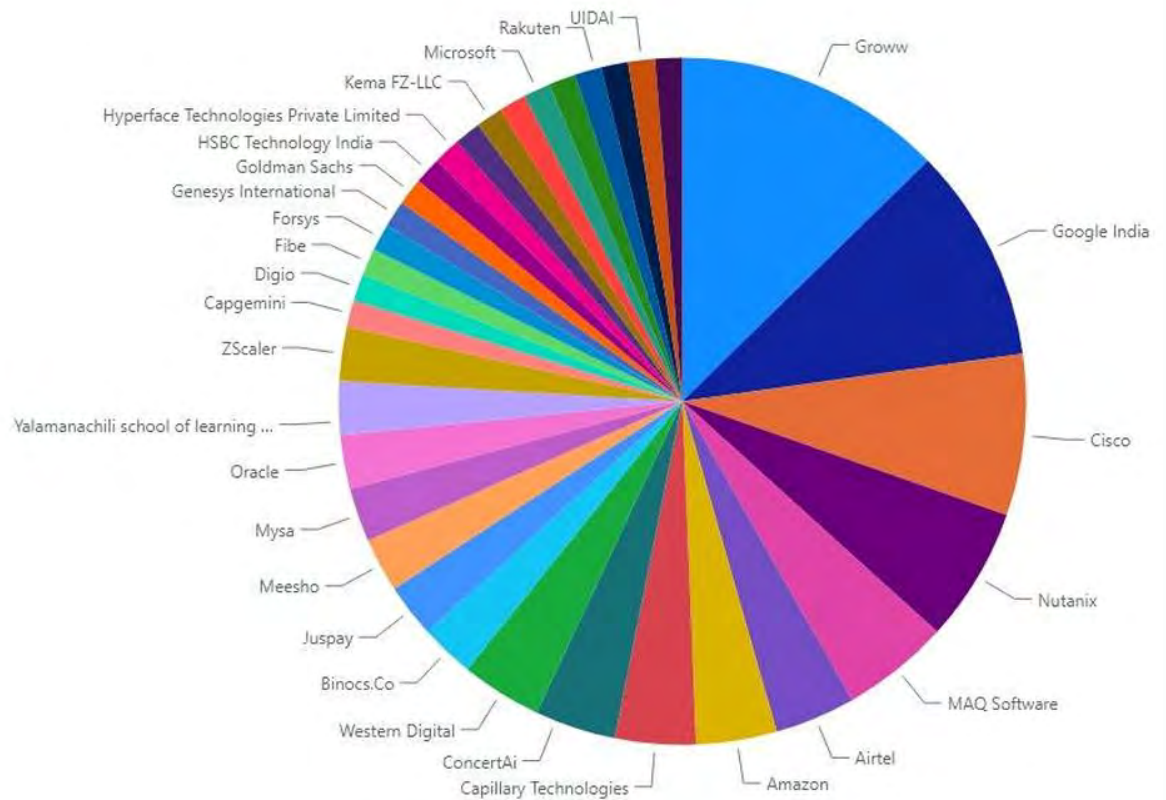


M.Tech 2025



Placement Statistics

B.Tech CS/IT

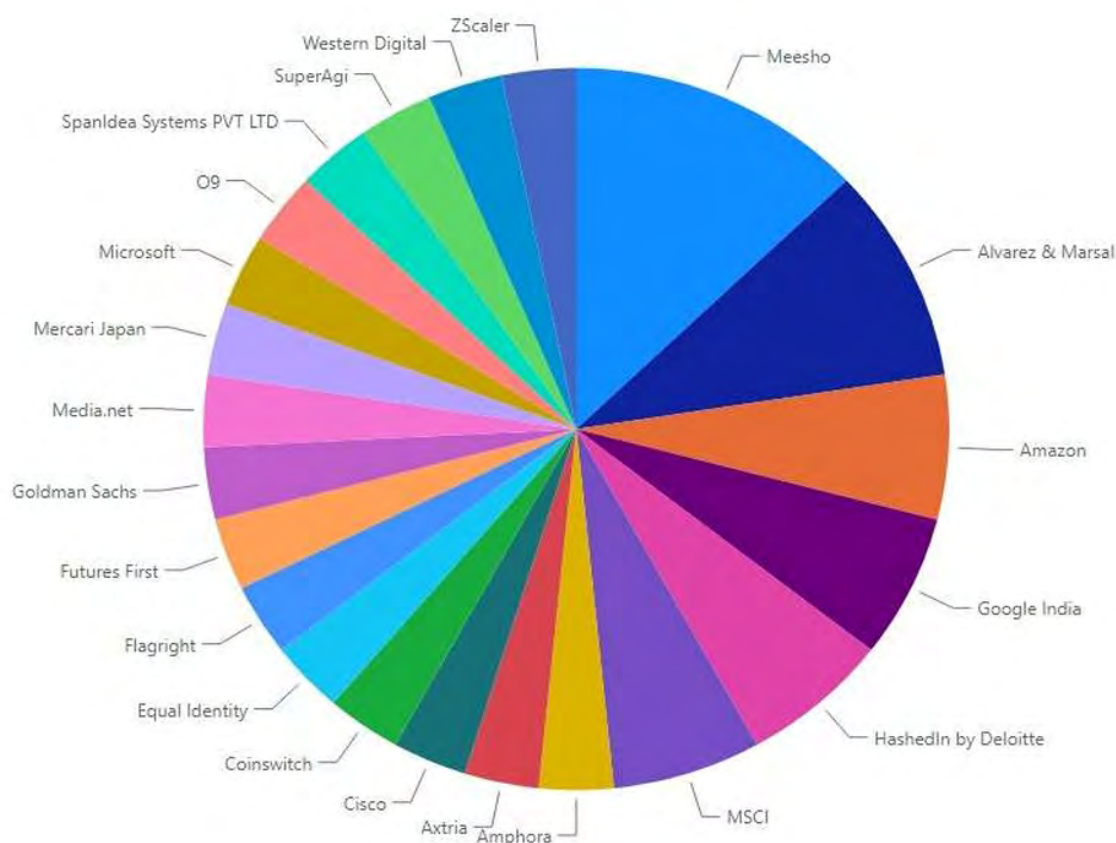


IMT



Placement Statistics

IMG



Wall of Fame-2025

Atal Bihari Vajpayee Indian Institute Of Information Technology and Management (ABV-IIITM), Gwalior

Wall of Fame - 2025 | Top Achievers (50+ LPA)

Congratulations!

Ansh Rana Uber	Gadhim Suresh Reddy Uber	Himanshu Singh Uber	Vinay Kumar Tiwari D. E. Shaw India	Aniket Jain Google India	Chiranjeev Akshitha Google India	Darshan Arshode Google India	Debagyoti Dhar Google India	Devenish Sengar Google India	Disha Singh Google India	Ektu Kumar Google India	Ishika Chaudhan Google India	Ishtpreet Kaur Google India
Khushi Soni Google India	Lovish Dik Google India	Moumita Sinha Google India	Rakesh Kumar Google India	Sanku Dhamodharan Google India	Sakshi Google India	Tina Murmu Google India	Darshita Nutanix	Jay Prasad Nutanix	Kuldeep Ayush Nutanix	Mudish Srivastava Nutanix	Gomdell Chandrasekhar Nutanix	Utkarsh Mishra Nutanix
Rajkumar Varmani Cred	Ashish Choudhary Amazon	Ananya Mishra Amazon	Neha Puri Flagright Pvt Ltd	Niraj Singh Amazon	Ravi Jwalana Amazon	Shivani Jadhav Amazon	Yana Gupta Amazon	Yashu Hiranjan Amazon	Ananya Mangal Microsoft	Pragya Rathore Microsoft	Tejal Edukanti Microsoft	

Wall of Fame - 2025 | Top Achievers (30 - 49 LPA)

Aakash Gupta Coinbase	Adarsh Pandey Cisco	Anshu Joshi Mercari Inc.	Aryan Sharma Mercari Japan	Ayush Garg Oracle	Dipti Singh ServiceNow	Ayush Rastogi Oracle	Balvish Revanthi Oracle	Harsh Mishra Oracle
Sai Reddy Rajeshkar Reddy	Arun Kushwaha Flagright Pvt Ltd	Rithvik Dave Flagright Pvt Ltd	Sohan Bandary Flagright Pvt Ltd	Aaroh Srivastava Goldman Sachs	Abhinav Retna Goldman Sachs	Padli Rishitha Goldman Sachs	Riya Jain Hackker Rank	

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- Top Packages: Highest domestic CTC stood at ₹67.5 LPA by Uber.
- 50+ LPA Category: 38 Students placed at Uber, Google, Nutanix, Amazon, and Microsoft.
- 30-49 LPA Category: 17 Students secured positions at Coinbase, Cisco, Oracle, ServiceNow, Mercari, Flipkart, and Goldman Sachs.

Happenings at Ladies Club

The ladies club led by Mrs. Vandana Singh and women of the campus organize various societal events. Despite a small number the club stands for something greater. Few of the events are highlighted here.

- To respect and recall the sacrifice made by our jawans in the Pulwama attack the members joined hands to offer their thoughtful tribute.
- A cyber safety awareness session was conducted for the institute outsourced staff to educate them about the mindful use of mobile phones and Internet to safeguard their hard earned money from cyber frauds. Prof. Sri Niwas Singh and Dr. Manoj Dash addressed the gathering.
- On the occasion of environment day members of the club organized a plantation drive.



Achievements

1. Dr. Vivek Tiwari
 - Board of Studies (BoS) Member, Central University, Himachal Pradesh (2025)
 - Board of Studies (BoS) Member, IIIT Bhagalpur (2024)
 - Chair, Young Professional, IEEE Madhya Pradesh Section (2025)
2. Dr. Pinku Ranjan received Atal Bihari Vajpayee Research Excellence Award – 2024, ABV IIITM Gwalior, India.
3. Prof. Aditya Trivedi and Prof. Manisha Pattanaik shared the Best-teacher award 2024.
4. Prof. Anurag Srivastava
 - Member of the SMC Executive Council for the period 2025–2028.
 - Recognized as a Panelist for Roundtable Discussions at the MP Tech Growth Conclave 2025
4. Prof. K.K. Pattanaik has been appointed as Associate Editor of IEEE Internet of Things Journal.
5. Institute secured 26th rank in Engineering and 18th rank in best B-school in government institute category by IIRF 2024.

Patents

1. Inventors: Narinder Singh Punj, Vivek Tiwari, and Shashikala Tapaswi. Title: System and Method for Monitoring Adversarial Attacks in Multi-Modal Medical Imaging. Patent Application No. 202521037578, filed on 18 April 2025, India (Pending Status).
2. Inventors: Dr. M. S. Parihar. Title: Beam Scanning Antenna and A Method Thereof Patent No. 565266 (Granted).
3. Inventors: Dr. Pinku Ranjan. Title: Compact Wideband Split Ring T-Shape Antenna for Sub-6 GHz Applications Indian Patent (Published).
4. Inventors: Dr. Amrendra Singh Yadav. Title: Blockchain-based Medical Data Storage Cloud Device Indian Patent Application No.: 450766-001.
5. Inventors: Anurag Srivastava, Vinay Singh, Shubhankar Mohan, Ravi Sharnagat, Priyansh Saxena, Title: IoT Based Public Distribution System: An Automatic Ration Vending Machine Indian Patent Application No. 201821033871, 2018; Grant No. 561135, 2025.
6. Inventors: Avadh Kishor and Pramod Kumar Singh. Title: Smart Battery Charging System with Safety Monitoring, Alarm, and Automated Ejection Mechanism Indian Patent No. 202421056187, Granted on 7 March 2025.
7. Design Patent Title: AI-Powered Lung Nodule Detection Device Application No. 449706-001, Published on 6 June 2025. Inventors: Saurabh Singh Raghuvanshi, K. V. Arya, Vinal Patel.



Forthcoming Events in the Institute

Sl.	Events	Department	Date
1	Short Term Course: “Bridging AI and Explainability with AI Fundamentals and Applications”	CSE	05- 09 July 2025
2	Online FDP on Smart Biomedical Signal Processing: Leveraging IoT, Edge Computing, and ML.	EEE	12 – 16 July 2025
3	Convocation 2025	—	12 July 2025
4	Online FDP on Intelligent and Sustainable Communication Technology for 6G and Beyond Networks	EEE	13- 22 July 2025
5	One Week FDP on AI and IoT for Cross-Sectoral Innovation: Bridging Agriculture, Finance, and Healthcare.	ES and EEE	25 – 31 August 2025
6	International Conference on Mathematical and Computational Frontiers for Sustainable Development (MATHSD 2025)	ES	16 – 17 October 2025
7	2nd IEEE International Conference INSPECT-2025.	EEE	7-8 November 2025
8	IEEE International Conference on Recent Advances in Computing and Systems (ReACS 2025)	CSE	19 – 20 December 2025
9	5th International Conference on Advanced Networks, Technologies and Intelligent Computing (ANTIC 2025).	IT	21-23 December 2025

Gwalior Vigyan Mahotsav- 2025

The Gwalior Vigyan Mahotsav 2025 was held during January 20–21, 2025 in the Institute as a landmark event in the region’s scientific and educational landscape. Organized under the coordination of Dr. Vinay Singh and Vigyan Bharati Team Gwalior, the event witnessed enthusiastic participation from over 1,200 students and 150 science educators representing more than 65 schools across the Gwalior Division. The Mahotsav was inaugurated by Prof. S.N. Singh, Director and President, Vigyan Bharati Gwalior, Smt. Ruchika Chauhan, the Collector of Gwalior; and Shri Vivaswan Hebalkar, Organizing Secretary, Madhya and Paschim Kshetra, Vigyan Bharati.

The Mahotsav was concluded with the blessings Hon’ble Minister Shri Jyotiraditya M. Scindia Ji. With its vibrant synthesis of learning, collaboration, and community engagement, Gwalior Vigyan Mahotsav 2025 exemplified institutional leadership at both local and national levels. The event demonstrated a model of academic-public partnership, social responsibility, and transformative outreach that forged meaningful connections among schools, higher education institutions, civic leaders, local administration, industry, and the broader community—cementing Gwalior’s place on the national map as a catalyst for science-driven development.



TEAM GUNJAN

Prof. K K Pattanaik
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