



GUNJAN

A Bi-annual newsletter of ABV-IIITM Gwalior

ज्ञानरथ उत्तम श्रोतं

July - December 2025 | ISSUE: 02/2025



Our Vision

"Global Excellence in knowledge Economy"

FROM THE DIRECTOR'S DESK

Dear Readers,

It is my great pleasure to present this publication depicting the major activities of Atal Bihari Vajpayee- Indian Institute of Information Technology & Management (ABV-IIITM) in this half-yearly newsletter "Gunjan" (July - December 2025). This Institute, first in IIIT series and being an Institute of National Importance, fully financially supported by the Ministry of Education, Govt, of India, is completing its 29th 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 has started three MTech Programs in Electrical & Electronics Engineering, Computer Science and Engineering and Information Technology in addition to the existing 3 MTech Programs. Institute is offering 4-year B.Tech. Programs in Computer Science & Engineering, Electrical and Electronics Engineering, and Mathematics & Scientific Computing, 5- year Integrated Post-Graduate (B.Tech. (IT) + M.Tech.), 5-years Integrated Post-Graduate (B.Tech. (IT) + MBA) with exit option of B.Tech. (IT) after 4 years. Institute is also having excellent 2-year MBA, 2-year MS program in AI and Data Science, and full/part- time/QIP Ph.D. Programs in number of disciplines. The institute has implemented the NEP2020 in its full spirit.

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Institute has started several new initiatives for the benefit of the students such as branch change after first year, exit options, summer terms for backlog students, internships, MOOC courses, minors and major degrees, conversion from regular MTech to PhD, regular PhD to Part-time PhD, various scholarships to the UG/IPG students, etc.

The alumni meet is going to be organised during 14-15 March 2026 and foundation day will be celebrated on 17 January 2026. During July to December 2025, Institute achieved many milestones in academics, research and students' activities. Some of the highlights are:

- Held two Senate, two finance committee, three Board of Governors meetings and three Building works Committee meetings.
- Institute ranked 96 in NIRF 2025 Engineering and 93 in management categories.
- IIRF Ranking in 2025, IIITM Gwalior secured 18th position in Best Business school and 23rd Position in Engineering respectively in Public Institute Categories.
- Construction of hostel of capacity 2x250 beds is to be completed by May 2026 and one more hostel of 500 bed capacity is going to start in February 2026. Girls Hostel Extension (Phase-I); Faculty Quarters are going to start soon.
- 7 Faculty and 5 non-faculty members have joined the institute. Faculty Research initiation grant up to 10 lakhs is given to newly joined (external) faculty members.
- Institute bagged many sponsored & consultancy projects, organised Karyashalas, FDPs & Vritika from India and abroad.
- Following centres are/being established.
 - o Rekhi Centre of Excellence for the Science of Happiness
 - o Centre for Indian Knowledge System (IKS)
 - o Center for Autonomous Systems (CAS)
 - o Center for Biomedical Research (CBR)
 - o Center of E-mobility with sustainable technologies.
- Course curriculum was revised and published.

Our vision is to make our Institute a world-class educational centre of knowledge generation, acquisition and dissemination that will benefit society, and to educate and train people to work in fields where they will be valued both for their specialised knowledge and for their ability to research, communicate and solve problems.

I thank and appreciate the efforts of the Editorial team for timely publication of this issue of Gunjan Newsletter. I am sure that this issue of half-yearly newsletter will serve as a source of information for all.

Prof. Sri Niwas Singh
Director

- 1** The 6th Convocation (दीक्षांत समारोह) was held on 12 July to award degrees for the graduating students. Prof. S. N. Singh welcomed the Chief Guest Prof. Abhay Karandikar, Chairman BoG Shri Deepak Ghaisas, Prof. Ajay Kumar Sood, Prof. Karnam Malleswari and other dignitaries. A total of 329 Degrees (78 B. Tech. (CSE), 168 Integrated PG (IMT and IMG), 13 M. Tech., 27 MBA, and 12 PhD) were distributed to the graduates. Prof. Ajay Kumar Sood, the Principal Scientific Adviser to the Government of India, and Dr. Karnam Malleswari, the Vice-Chancellor of Delhi Sports University were conferred with DSc (Honoris Causa) degrees. Five students received the institute gold medal and four received the sponsored gold medals.
- 2** A 5-day FDP on "Innovative Teaching Pedagogy and Technology Integrated Instructions" was conducted by NITTR-Bhopal for the faculty of ABV-IIITM at the Institute during 21-25 July with a participation of 46 faculties from various departments of the Institute.
- 3** Two days workshop on Capacity Building for Design and Entrepreneurship was organized during 31 July–01 August at the Institute.



- 1** Institute observed Anti-ragging week during 12-18 August to create awareness among the students for zero tolerance on ragging and making the campus ragging-free.
- 2** 79th Independence Day was celebrated with full vigour and several thematic plays were performed by the students.
- 3** Prof. Anurag Srivastava coordinated a workshop on Beneficial effects of Radiation Technology and Indian Nuclear Energy Programme on 17 August.



AUGUST 2025

- 4** A one-week orientation programme to welcome and brief the first-year students of 2025-26 Batch was organized during from 20th August.
- 5** The Department of EEE organized DRDO-sponsored seven-day workshop on "AI-Driven Soldier Support and Biosecurity in Next-Generation Communication Technologies" from 25 August. The workshop was coordinated by Dr. Gaurav Sharma, Dr. Vinal Patel and Prof. Manisha Pattanaik.
- 6** The Department of EEE organized seven-day FDP on "AI and IoT for Cross-Sectoral Innovation: Bridging Agriculture, Finance, and Healthcare" from 25 August. The workshop was coordinated by Prof. Pankaj Srivastava and Dr. Somesh Kumar.



SEPTEMBER 2025

- 1** Institute fraternity celebrated the Teacher's Day with great enthusiasm on the 5 September. The celebration reflected the institute's strong academic ethos and reaffirmed the bond of mutual respect between teachers and students, making the occasion memorable and meaningful for the entire ABV-IIITM community.
- 2** Swachhotsav, and Seva Parv 2025 observed during 1-15 September at the Institute with Swachhata Pledge administered by Prof. S. N. Singh in alignment with the PM's vision for a clean and garbage-free India.
- 3** हिंदी भाषा के प्रचार-प्रसार एवं साहित्यिक चेतना को सुदृढ़ करने के उद्देश्य से हिंदी दिवस की पूर्व संध्या पर दिनांक 13 सितंबर 2025 (शनिवार) को एक कवि सम्मेलन का आयोजन किया गया। इस अवसर पर देश के प्रतिष्ठित एवं स्थानीय कवियों ने अपनी सशक्त रचनाओं के माध्यम से हिंदी भाषा की गरिमा, संस्कृति और सामाजिक सरोकारों को प्रभावशाली ढंग से प्रस्तुत किया।
- 4** A three-day 5th Tech for Seva national program was organized by Vigyan Bharti during 12-14 September that provided a platform to share opportunities for innovation, experience and community development in the field of science, technology and social services. It was inaugurated by Dr. Shivkumar, the National Organization Minister of Vigyan Bharti along with other dignitaries including Prof. Sri Niwas Singh. Shri Jyotiraditya Scindia blessed the event with his kind presence.
- 5** Parichay 2025, to welcome the Freshers was organized by the by the Dean of Student Affairs Prof. Joydip Dhar along with the Associate Deans and SAC faculty coordinators for the newly admitted first-year students on the 30 September.



OCTOBER 2025

- 1** Diwali celebrations among the faculty and officers were hosted by the officers' club of the Institute on 17 October.
- 2** The Department of Engineering Sciences successfully organized the 1st International Conference on Mathematical and Computation Frontiers for Sustainable Development (MATHSD 2025) on 16–17 October. The inaugural ceremony was graced by Prof. V. D. Sharma (IIT Bombay) as the Chief Guest, along with Prof. K. K. Shukla, Director, MANIT Bhopal, Prof. S.N. Singh, Director ABV-IIITM Gwalior and other eminent dignitaries from IITs, NITs, and leading international institutions.

**NOVEMBER 2025**

- 1** The Second Inter-IIIT Employees Sports Meet 2025 was hosted at ABV-IIITM Gwalior during 1–4 November. Nearly 300 faculty and staff members represented 11 IIITs from across the country. The Men's Overall Championship was secured by IIIT Kurnool, while the Women's Overall Championship was awarded to IIIT Kanchipuram.



NOVEMBER 2025

2 The 2nd IEEE International Conference on Intelligent Signal Processing and Effective Communication Technologies (INSPECT 2025) was organized by EEE department during 7 – 8 November. INSPECT 2025 focused on recent advances in signal processing, communication technologies, computing, and machine learning. The event received around 1050 paper submissions, with a highly selective acceptance rate of less than 22%, reflecting the conference's rigorous standards.

3 Department of IT organized a workshop on "Information Security & Ethical Hacking Essentials with Generative AI: A Hands-On Approach" during 06–10 November. The workshop was designed to provide participants with a strong foundation in cybersecurity and ethical hacking.

4 Prof. Anurag Srivastava organized in the 4th International Conference on Advances in Nanomaterials and Emerging Technologies (CANDEE) during 17-19 November. The conference featured more than 80 research presentations and over 30 expert talks.

5 Dr. Vinod Kumar Jain and Prof. S Tapaswi coordinated the two-day workshop on Innovative Technologies for Next Generation Networks (ITNGN-2025) during 08-09 November.

6 AICTE-sponsored 6-Day online ATAL FDP on Recent Advances in Quantum Technology and its Applications was organized by the ES department during 24 – 29 November.

7 Institute organized its 4th "Atal Research and Incubation Conclave (ARIC-2025)" during 14-15 November. A new initiative of Academic audit of all the departments was carried in which the experts interacted with faculty, students and visited the facilities to assess the adequacy of academic infrastructure vis-à-vis the growing needs of future. It was one of its kind among the IIITs and is first to have such a benchmarking exercise.



DECEMBER 2025

- 1** The Department of ES organized a 5-day Workshop on "Computational Mathematics and Scientific Machine Learning (Hybrid Mode)" during December, 2025. The workshop was coordinated by Dr. Pragya Shukla.
- 2** The Department of EEE organized AICTE-QIP-PG Certificate Programme on "Intelligent Transportation Systems: Synergy of Artificial Intelligence, Drones, and EVs" during December, 2025. Dr. Manoj Singh Parihar coordinated the event.
- 3** Dr. Saumya Bhaduria and Prof. S Tapaswi organized Two day FDP on "Cybersecurity Toolkit: A technical Deep Dive" during 05-06 December.
- 4** The Department of CSF organized "2025 IEEE International Conference on Recent Advances in Computing and Systems (ReACS 2025)" during 19-20 December. The conference was coordinated by Dr. Vinod Kumar Jain and Dr. W. Wilfred Godfrey.



DECEMBER 2025

5 Department of IT organized the “5th International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC 2025)” during 21-23 December. Several key note lectures were held including two industry sessions held by VVDN Technologies and NI. A total of 109 papers were presented in ANTIC. The 1st International Workshop on Advancing AI and ML Across Disciplines: Use Cases and Emerging Applications (AAMLAD-2025) was collocated with ANTIC. The conference received generous sponsorships from ANRF and other Industry grants that was instrumental for several travel grants, industry sponsored registration grants, registration grants, and best paper awards amounting to Rs. 1,51,000. Springer was the publication partner for ANTIC.

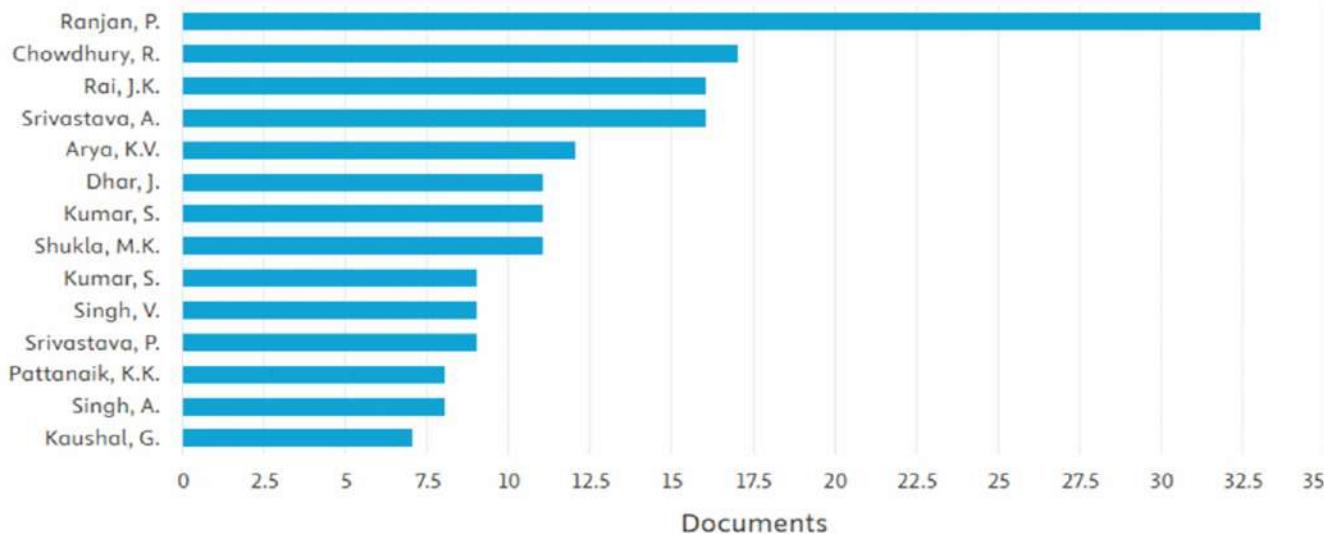
6 101st birth anniversary of our beloved BHARAT RATNA honourable Shri Atal Bihari Vajpayee ji was celebrated on 25 December.

7 The Institute inaugurated the APS and MTTS ABV-IIITM IEEE Student Branch Chapters (SBC) on 27 December. Mr. Deepak Mathur, the VP-IEEE MGA and Prof. S.N. Singh inaugurated the event.

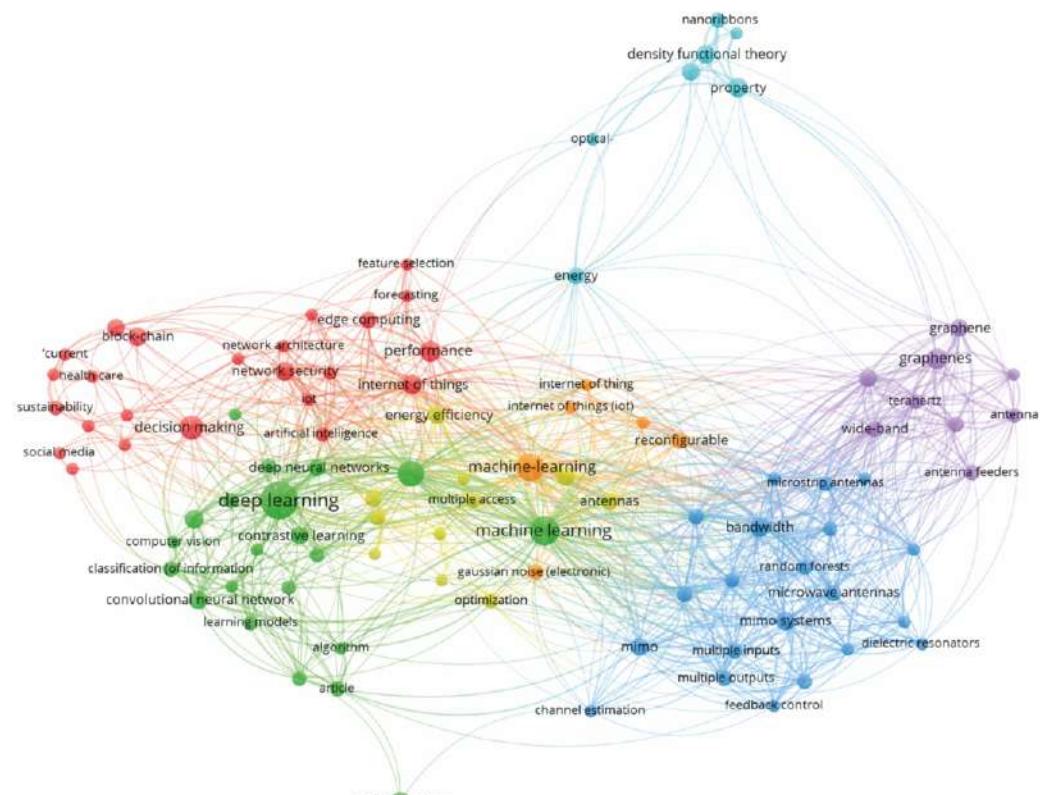


PUBLICATIONS / ACADEMIC OUTREACH

283 Scopus indexed publications by faculty and students recorded during June-December 2025. Institute faculty established a significant benchmark in collaborative research evidenced through the cluster analysis and diverse research domains reported from VOSViewer.

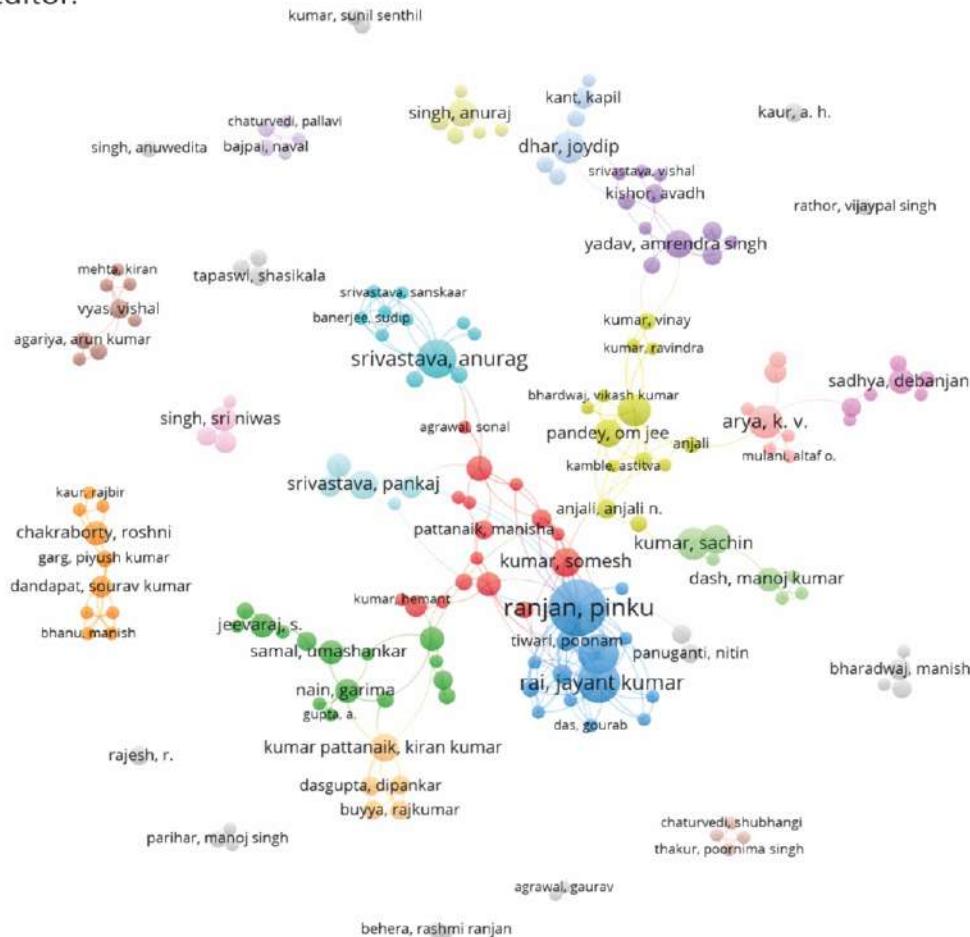


Top 15 Authors' Publications



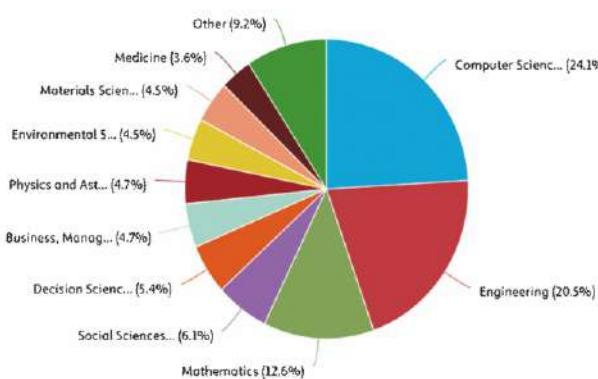
Research Diversity

- 26 faculties of the Institute have delivered invited talks in various conferences, FDPs and Workshops.
- Dr. Veena Anand has joined the Editorial Board of Wireless Personal Communications as the Associate Editor.

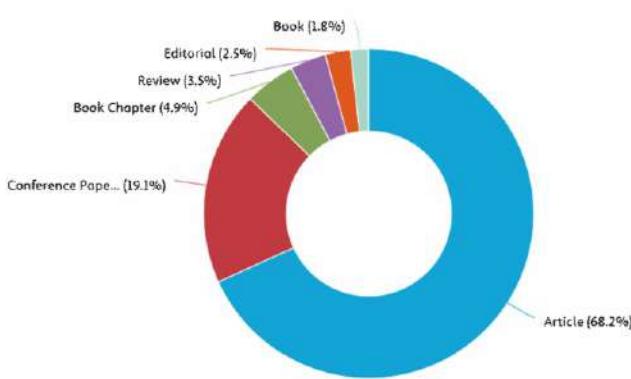


Clustering of Authors Publishing Paper in the Scopus Indexed Journal

Documents by subject area



Documents by type



PATENTS/COPYRIGHTS

- ① Design Patent No. 429176-001/19-06-2025: Compact Wideband Split Ring. Patentees: Somesh Kumar, Pinku Ranjan, Prashant Uchariya, Minakshi, Monika, ABV-IIITM Gwalior.
- ② Patent No. 571179/07-07-2025: Blockchain based Medical Data Storage Cloud Device. Patentees: Dinesh Kumar, Mahendra Pratap Yadav, Amrendra Singh Yadav.
- ③ Patent No. 571179/25-09-2025: Wireless Oceanographic Sensing Nodes and Methods of Ascertaining Oil Slick Regions Thereof. Patentees: ABV-IIITM, Sapna, K, K, Pattanaik, A, Trivedi.
- ④ Design Patent No. 427851-001/08-09-2025: Hand Sanitizer. Patentees: Somesh Kumar, Minakshi, Monika.
- ⑤ Copyright No. LD-23870/2025-CO/13-10-2025: Agri Business Model: An Analysis. Patentees: Nilanjan Ray, Sudip Basu, Indrajit Ghosal, Piyali Roy Chowdhury, Rituparna Ghosh, Priyanka Singh, Manoj Kumar Dash.
- ⑥ Patent No. 576429/23-12-2025: System and Method for Detecting Lung Nodules and Identifying Lung Nodule Types from 3D CT. Patentees: ABV-IIITM, Jenkin Suji, Godfrey W. Wilfred, and Joydip Dhar

PROJECTS

- ① Modeling & Simulation of packing effects on MMIC Die Performance in HTCC Based RF package at microwave frequencies (S-Band) is awarded to Dr. Somesh Kumar by ISRO for a period of 1.5 years with a financial overlay of Rs. 2001088.
- ② Linking Psycho-Social Conditions of People and the Effects of Pandemics Reference to Covid -19 Situations in India is awarded to Dr. Rajesh Rajagopal by ANRF for a period of 3 years with a financial overlay of Rs. 864600.
- ③ Modelling Extreme Weather Events in Fishery Dynamics is awarded to Dr. Purnendu Mishra by London School of Economics and Political Science, Houghton Street ,London for a period of 16 months with a financial overlay of GBP 13,506.32.
- ④ Development of AI/MI modules in ARISTO platform for chemotherapy automation process is awarded to Prof. Mahua Bhattacharya by Midas Lifecare International Pvt Ltd., Mumbai for a period of 2 years with a financial overlay of Rs. 1650000.
- ⑤ Design and develop AI/ML Model to identify the consoles is awarded to Dr. Vivek Kumar Singh by Stryker India Pvt Ltd. New Delhi with financial approval as per actual expenditure from time to time.
- ⑥ Acoustic Monitoring System is awarded to Dr. Vinal Patel by ISRO for a period of 1.5 years with a financial overlay of Rs. 1555600.

NEW JOININGS



Dr. Vijay Rao Kumbhare
Dept. of EEE



Dr. Y. Ramanjaneyulu
Dept. of CSE



Dr. Ankur Jaiswal
Dept. of IT



Dr. Deepak Jatoth
Dept. of EEE



Dr. Neelesh Yadav
Dept. of EEE



Dr. Neeraj Jaiswal
Dept. of ES



Mr. Yogendra Singh
Senior Technical Officer



Mr. Shishupal Singh Rajpoot
Technical Officer



Dr. Dheeraj K.
Dept. of IT



Niharika
Asst. Registrar Legal



Dr. Sharif
Registrar



Mr. Rajkumar
Dy. Registrar

HIGHLIGHTS FOR JULY-DECEMBER 2025



CONVOCATION 2025



NEW BATCH ORIENTATION



PROF. RAJEEV AHUJA
@CANDEE



CANDEE : A MELTING POT FOR
COLLABORATION



ANTIC 2025 INAUGURATION



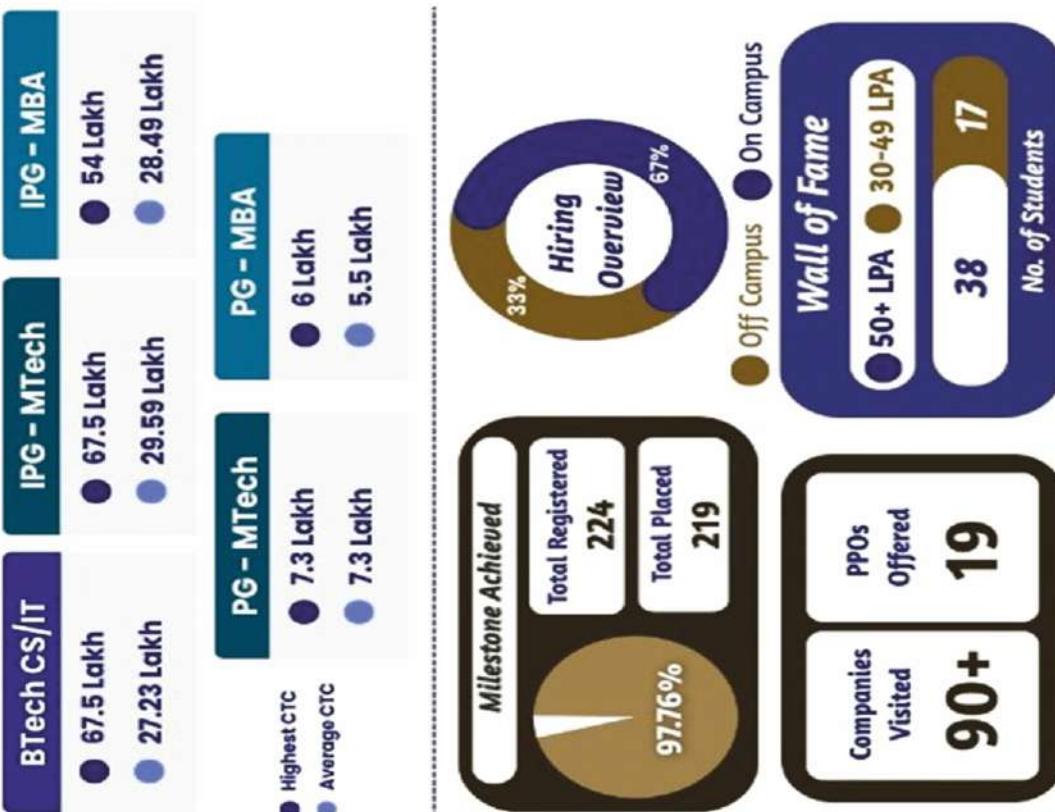
ANTIC 2025 GALA DINNER



DIRECTORS ADDRESS ON
NEW YEAR EVE



PLACEMENT STATISTICS of Batch of 2025



Prof. K K Pattanaik
Dr. Saumya Bhadauria

Dr. Manoj Kumar Dash
Dr. Anjali

Dr. Arun Kumar
Dr. Purnendu Mishra

Dr. Vinal Patel
Ms. Deepa Singh Sisodiya