25th Edition

iiit-b
ज्ञानमुत्तमम्

RESEARCH

RIGOR

RELEVANCE

ANNUAL REPORT 2024–25

Research-Rigor-Relevance

Research Ignites. Rigor Refines. Relevance Delivers.

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Foreword from the Director

Prof Debabrata Das
Director, IIIT-B

It gives me immense pleasure to present the Annual Report of the International Institute of Information Technology Bangalore (IIIT-B) for the academic year 2024–25.

At IIIT-Bangalore, We believe that Research, Rigor, and Relevance are the three pillars that guide our work. Research helps us create new knowledge, rigor ensures we maintain high standards in everything we do, and relevance reminds us to stay connected to the needs of society and industry. Together, these values keep our efforts meaningful and impactful, while shaping our role in building a better future.

IIIT-Bangalore has always been at the forefront of spearheading technical education in India. This year's Annual Report is a reflection of IIIT-Bangalore's unwavering commitment to excellence in technical education, research, and holistic development. It captures the breadth of activities, accomplishments, and aspirations that defined the academic year 2024–25. From academics and research to sports, innovation, and cultural vibrancy, this document stands as a chronicle of the institute's dynamic journey.

What makes this edition particularly special is the celebration of IIIT-B's 25th Convocation—a landmark moment in our history. With 25 cohorts of graduates shaping the digital future of India and the world, this milestone fills us with pride and gratitude.

The year also brought with it significant institutional achievements. The conferment of the 12B status by the UGC has opened new avenues for research and academic growth. Equally notable is the approval of the budget by our esteemed Governing Body to develop the East Campus—an ambitious leap toward IIIT-B's next chapter of expansion and innovation.

I hope this report serves as both a moment of reflection and a source of inspiration for what lies ahead.

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International
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DIRECTOR'S REPORT

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Prof. Debabrata Das
Director, IIIT-Bangalore

The Director's Report for the 25th Convocation holds special significance, marking the Silver Jubilee of our graduating batch. IIIT-B takes pride in having nurtured and graduated 25 distinguished cohorts, each contributing meaningfully to shaping the technological landscape of India and the world. This report encapsulates the remarkable achievements of the graduating Class of 2025, the significant contributions of our faculty, the continued growth of the institute, and the key milestones that shaped the academic year.

This year's convocation marks a historic moment for the institute, as we celebrate the graduation of our largest-ever cohort—372 students. With this, IIIT-Bangalore proudly reaches a cumulative total of 4,952 graduates since its inception. **The graduating class includes 16 doctoral degrees (Ph.D.), 10 Master of Science by Research degrees, 192 M.Tech (2-year) degrees, 142 Integrated M.Tech degrees, and 12 M.Sc. (Digital Society) degrees.**

The past year has been exceptional in many ways. One of the most significant milestones was the granting of **12B status by the University Grants Commission (UGC)**, a recognition that positions us for enhanced academic and research engagement.

IIIT-Bangalore's **Modular Open Source Identity Platform (MOSIP)** was conferred the Award of Distinction in Digital Innovation at The Open Group India Awards. Additionally, the institute was honored with the **International Green University Award 2024** for the second consecutive year, in recognition of our sustainable practices aligned with UNESCO's Greening Education Partnership. The award was presented at the 8th NYC Green School Conference, held alongside the 79th United Nations General Assembly in New York.

I had the privilege of being invited to the **United Nations Headquarters in Geneva by the International Telecommunication Union (ITU),** where I delivered a presentation on Citizen Stacks. It was a humbling experience to highlight IIIT-Bangalore's pioneering contributions to the global development of Digital Public Infrastructure (DPI), reaffirming our commitment to innovation and to improving lives through technology.

Our flagship digital identity platform, **MOSIP, c**ontinues to create global impact. It has now been adopted by **27 countries** and has already reached over **135 million** citizens worldwide. Through the Centre for Digital Public Infrastructure (CDPI), we have engaged with over 60 countries, offering technical and architectural guidance to various governments on all facets of DPI implementation.

In May this year, I had the privilege of meeting the Honorable President of India, **Smt. Droupadi Murmu, at Rashtrapati Bhavan,** where I briefed her on IIIT-Bangalore's pioneering research and developments. Our discussion highlighted how these innovations are delivering real benefits to citizens, advancing India's Aatmanirbhar mission. She shown interest in our mental health projects, Tele MANAS and DPI for human well being.

Apart from academics, IIIT-B also encourages cultural and sports engagement for students. Our cultural clubs' Impulse, the dance club, received first prize at NMIMS Solaris. At Maaya, the cultural fest of PES University, our students showcased remarkable talent — Ketaki secured first place in Western Solo Singing, while Tarang, our campus band, won third place in the fiercely contested Battle of the Bands.

Meanwhile, Parvaaz, our theatre club, added yet another achievement, as emerging as Runner-up at Revelation '25 hosted by SIBM.

In Sports achievements, at the Maaya Sports Fest hosted by PES University, Rishi Nelapati, an iMTech students brought home the Gold in Chess, while Nilay Kamat, another iMTech student, secured the Silver in Table Tennis.

Our futsal team also clinched the first place at the Revelation Fest organized by the Symbiosis Institute.

In line with our institute's esteemed tradition and reputation, our faculty members have continued to inspire the entire campus community.

Prof. Madhav Rao, has been conferred the Prof. Satish Dhawan Young Engineers State Award in the field of Engineering Sciences.

Prof. Jaya Sreevalsan Nair, has been awarded the Best Associate Editor Award (2024) of IEEE Transactions on Circuits and Systems for Video Technology (TCSVT).

Congratulations to Prof. Raghuram Bharadwaj for being awarded Prime Minister Early Career Research Grant .

Prof. Meenakshi D'Souza, HoD, CSE received the prestigious Outstanding Contribution to Computing Education Award 2024.

I am humbled to share with you that this year I have been bestowed with the **"Distinguished Alumnus Award 2025"** by IIT Kharagpur for my Academic and research Contribution.

I am happy to announce that IIIT-B is ambitious and has made significant progress on expanding its infrastructure and building for impactful academic facilities. Great appreciation to IIIT-Bangalore's Governing Body, who has approved to build IIIT-B new East campus of Rs 817 crore budget.

Furthermore, IIIT-B inaugurated the Samsung Chip Design Studio, enhancing hands-on learning in semiconductor technologies.

Microsoft Research and IIIT-B launched AI innovation and inclusion initiative in April 2025. Additionally, the Accessible Resource Centre (ARC) was launched to support visually impaired school students, in partnership with Bosch and Vision Empower.

Forging meaningful and sustainable partnerships has always been a guiding principle of IIIT-B.

IIIT-Bangalore signed a Statement of Work (SoW) with the Software Development Institute of the Indian Air Force (SDI-IAF). The agreement focuses on the joint research, design, and development of advanced waveform technologies.

In alignment with the government's digital governance initiatives, IIIT-Bangalore signed MoU with Karmayogi Bharat with the Centre for Open Societal Systems (COSS).

Also, the LG Soft Advanced Computing Lab was inaugurated, followed by the exchange of an MoU with LG Soft India—marking the beginning of a promising collaboration focused on advanced research on AI.

I'm pleased to highlight some of the significant milestones we've reached in the past year. We currently have 114 projects going on across various centers and Labs. Among them, 26 are from the central government, 8 from the state government, 26 international projects, and 54 from welfare bodies. Also Rs.281 Core has been Sanctioned to IIIT-B for R&D in this Academic Year 2024-25.

In the bygone years, our research endeavors have materialized into tangible achievements: over 1800 peer-reviewed journal and conference, 41 Patents have been Filed, 12 Patents have been Granted and more than 110 book chapters, edited books and books authored by our esteemed faculty, research scholars, and students. I'm proud to share that in the last academic year, our faculty, research scholars, and students have made remarkable strides in advancing knowledge with 189 Conference Papers & Journal papers.

The **Tele MANAS project by E-Health Research Centre** in collaboration with NIMHANS and supported by the Ministry of Health, Government of India, has reached a new national benchmark. The platform, which offers Tele-mental health support across the country, has now handled over **20 lakh calls** doubling last year's figure which is an average of 3000 calls per day. Thanks to Prof. T K Srikanth and team for the collaboration.

Speaking about the achievements of **IIITB COMET Foundation**, one of the first worldwide standards on Reconfigurable Intelligent Surfaces (RIS 6G), was developed through a IIITB COMET Foundation's funded project NMICPS, DST. Thanks to Prof. Jyotsna, Prof. Prem Singh and CEO COMET Foundation for collaborations with 10 IITs and R&D products.

In our efforts to expand global engagement, IIIT-B Innovation Centre for startups and South Korean University signed a Memorandum of Understanding on September 2024. This collaboration is aimed at promoting international cooperation in entrepreneurship and innovation.

At the prestigious **Bengaluru Tech Summit (BTS)** 2024, IIIT-B was proud to receive the Best Exhibitor Award in the Content and Information category, while the Ecosystem Enablers Award was presented to the Machine Intelligence and Robotics (MINRO) Centre at IIIT-B for its outstanding contributions to the tech ecosystem.

IIIT-B Offers online Continuing Professional Education (CPE) courses in key areas like Data Science, ML & AI, Software Development, Cyber security and UIUX. So far, 31540 people have graduated from these programmes. This year **5426 new learners** have enrolled in our CPE Programmes.

We are proud to report another successful placement season at IIIT-B. This year, a record-breaking ₹1.45 crore package was secured by one of our graduating iMTech students.

In spite of well known economic crisis across globe, in total, 648 offers were made to IIITB's students, comprising 350 internships and 298 full-time roles. This year we have an overall Average Placement package of 30.2 LPA. Some of our graduates have chosen to take the higher research route too.

International Institute of Information Technology Bangalore

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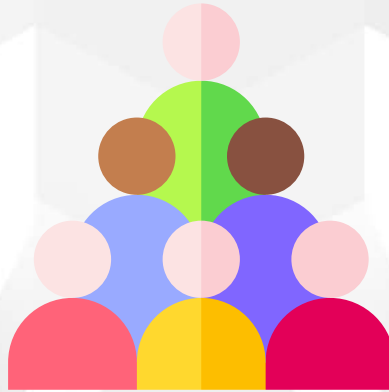
GOVERNING BODY

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GOVERNING BODY MEMBERS

Mr. S Gopalakrishnan
Chairman, Governing Body,
Co-Founder, Infosys

Prof. Debabrata Das
Director,
IIIT-Bangalore

Mr. Giridhar Aramane, IAS
Secretary MoD,
Government of India

Mr. Ritesh Kumar, IAS
IAS Principal Secretary Finance,
Government of Karnataka

Dr. Ekroop Caur, IAS
Secretary, ITBT and S&T
Government of Karnataka

Mr. B V Naidu
Chairman,
Sagitaur Ventures Pvt. Ltd.

Prof. Rishikesha T Krishnan
Director,
Indian Institute Of Management - Bangalore

Prof. Anurag Kumar
Honorary Professor,
IISc

Mr. Naresh Shah
Former President, India R&D
Hewlett Packard Enterprise

Mr. T K Srirang
Senior General Manager,
Head Human Resource,
ICICI Bank

Mr. Sanjeev Malhotra
CEO, NASSCOM Centre of
Excellence for IoT and AI

Mr. Shaji Mathew
Group Head of Human Resources,
Infosys

Ms. Kishore Ramisetty
Vice President,
Data Platforms Group

Mr. Khadim Batti
Co-founder & Chief Executive Officer,
Whatfix

Cmde SR Sridhar (Retd.)
Registrar, IIIT-Bangalore -
Secretary to the Board
and Outreach Head

HIGHLIGHTS OF
GOVERNING BODY MEETINGS

August 7, 2024
95th Governing Body Meeting

- Confirmation of the Minutes of 94th Governing Body meeting held on July 07, 2024.
- The Registrar gave an update on the actions taken
- The Governing Body took note of the actions taken.
- The Governing Body approved the renewal of the membership of:
  - Mr. S Gopalakrishnan, Chairman.
  - Mr BV Naidu, Founding member.
  - Mr Kishore Ramisetty, Individual Member drawn from Industry.
  - Prof Rishikesha T Krishnan, Individual Member drawn from Academia.
  - Shri Giridhar Aramane, IAS, Individual Member drawn from Government of India.

under the above mentioned categories and directed Registrar to place it in the AGM for approval of the General Body.

- Mr. R. Chandrashekhar, IAS (Retd), served on the IIIT-B Governing Body under the "Industry Association" category since February 4, 2014. As his tenure came to an end, the Governing Body expressed its sincere gratitude for his invaluable contributions and service to the institute.
- The Governing Body approved the nomination of Prof. Anurag Kumar as an "Individual Member drawn from Academia" and directed the Registrar to place it before the General Body at the AGM for approval.
- The Governing Body recommended the reappointment of M/s Guru & Jana, Chartered Accountants as Statutory Auditors for the FY 2024-25 at a fees of Rs. 4,00,000/- per annum plus applicable taxes and out of pocket expenses for approval of the AGM.

- The Governing Body approved the reappointment of M/s MNH Associates, Chartered Accountants, Bangalore as the Internal Auditors of the Institutes for the FY 2024-25 at a fees of Rs 2,00,000 for each half yearly audit plus Applicable taxes and out of pocket expenses.
- The Chief Finance Officer presented the Annual accounts for the Financial year 2023-24. The members of Finance & Audit Sub-Committee along with the members of the Governing Body, extended their sincere appreciation for the remarkable efforts undertaken by the Director and the dedicated Finance team.
- A presentation on the Road Map for the IIIT-B infrastructure in East Campus was made by CAO. The Governing Body accorded approval in principle for the strategic infrastructure expansion at a total cost of 693.15 Crores over a period of 8 years.

The Governing Body approved the extension of tenure for the following experts on the Faculty Selection and Promotion Committee from September 2024 to August 2027:

- Computer Science: Prof. Y. Narahari, IISc Bangalore.
- ECE:
  - Prof. V. Ramgopal Rao, Vice Chancellor, BITS Pilani; Former Director, IIT Delhi.
  - Prof. G. Venkatesh, Professor of Practice, IIT Madras.
- Basic Sciences: Dr. H. S. Mani, Visiting Professor, Chennai Mathematical Institute.
- Social Sciences:
  - Prof. Meenakshi Rajeev, ISEC, Bengaluru.
  - Prof. Carol Upadhya, NIAS, Bengaluru.
  - Prof. Dhruv Raina, JNU, New Delhi.

December 4, 2024
96th Governing Body Meeting

- Confirmation of the Minutes of 95th Governing Body meeting held on August 07, 2024.
- The Governing Body was updated on the selection of architects for the East Campus. A seven-member committee was formed to oversee the selection process, which involved floating a tender on September 2, 2024.
- The Governing Body was briefed on the need to revise the existing HR Policy and Finance Manual, both approved in 2019. The Governing Body approved the formation of a sub-committee to review the proposed changes and revisions to the HR Policy and Finance Manual.
- The Governing body approval for the issuance of Corporate Credit Cards for Operational Purposes.

March 5, 2025
97th Governing Body Meeting

Confirmation of the Minutes of 96th Governing Body meeting held on December 04, 2024.

The Registrar gave an update on the actions taken. The Governing Body took note of the actions taken.

The Registrar informed that Shri L. K. Atheeq, IAS (Retd.), who served on the Governing Body as an 'Individual Member drawn from the Government of Karnataka,' superannuated on January 31, 2025. A motion of thanks was proposed in appreciation of his valuable contributions to IIIT-B during his tenure.

The Governing Body approved the membership of Shri Ritesh Kumar Singh, IAS in the category of "Individual Member drawn from Government of Karnataka".

The Chief Finance Officer (CFO) presented the Annual Budget for 2025–26, as recommended by the Sub-Committee on Audit and Finance. The Governing Body approved the Annual Budget along with the proposed Capital Expenditure Plan as follows:

- Rs. 130 lakhs for IT assets including, laptops, Desktops, and software.
- Rs. 250 lakhs towards Solar power plant & 150 Lakhs towards Compound wall of Main Campus.
- Rs 297.48 lakhs for purchase & Installation of new Heat pumps for the hostel, STP Upgradation, dining area expansion & furnishing new class room facility at leased building etc.
- Rs. 9,741.25 Lakhs for East Campus Construction & Infrastructure.
- The Governing Body approved the increase in pay with effect from 01.04.2025 for the staff and faculty who were on payroll as on 31.03.2024.
  - Increase in Basic Pay: 3% of increment to be considered on the basic drawn as on March 2025 for Faculty and Staff.
  - Increase in Special Allowance: 4.90% increment on gross salary (Basic + HRA + Conveyance + Special Allowance) drawn as on March 2025, in line with CPI inflation to be added to the existing Special Allowance.
  - Increase in Consolidated Pay: In case of faculty and staff who are paid a consolidated pay, the pay will be increased by 6.90%.

The Summarized observations of Internal Audit for the Half year ended 30th September 2024 was taken note of.

- The Governing Body approved the extension of current contract of Mr. S Pirmanayagam for a further period of two years. He may be engaged as Finance Advisor for a period of one year along with new incumbent CFO for smooth transition, as and when new incumbent CFO is recruited.
- The Governing Body approved the engagement of Prof S Rajagopalan's as Honorary Project Head (MOSIP and other DPIs as recommended by Director) for a further period of five years in a consultancy mode with remuneration from the MOSIP or allied project funds.

6 July, 2025
98th Governing Body Meeting

- Confirmation of the minutes of 97th Governing Body meeting held on March 05, 2025.
- Consideration and Recommendation of the Students for the award of:
  - PhD Degree: 16 students.
  - Master of Science by Research Degree: 10 students.
  - Integrated M Tech degree (BTech and Mtech): 142 students.
  - M Tech degree: 192 students.
  - MSc (Digital Society) degree: 12 students.
- Scholarships and Medals.
- Consideration and ex-post facto approval of the recommendation for the award of the Postgraduate Diploma in Digital Product Design and Management (PGDDPDM), conferred on June 28, 2025 – 33 students.
- Presentation of the list of students not graduating. (for information of the Governing Body).

SENATE MEMBERS

CHAIRMAN: Prof Debabrata Das

MEMBERS, EDUCATIONISTS OF REPUTE

1. Dr. Shashank Agashe - Educationist of repute
2. Dr. Roland Haas - Educationist of repute

TEACHING MEMBERS

1. Prof. R. Chandrashekar, Dean (Academics)
2. Prof. Shrisha Rao, Dean (Faculty)
3. Prof. Srinath Srinivasa, Dean (R&D)
4. Prof. Manisha Kulkarni, Dean (Student Affairs)
5. Prof. Balaji Parthasarathy
6. Prof. Jyotsna Bapat
7. Prof. Meenakshi D'Souza
8. Prof. V. Ramasubramanian
9. Prof. G. Srinivasaraghavan
10. Prof. Subir Kumar Roy
11. Prof. V. Sridhar
12. Prof. B. Thangaraju
13. Prof. R. Badrinath
14. Prof. Amit Prakash
15. Prof Jaya Sreevalsan Nair
16. Prof. Madhav Rao
17. Prof. Dinesh Babu Jayagopi
18. Prof. T. K. Srikanth
19. Prof. Ajay Bakre
20. Prof. V. N. Muralidhara
21. Prof. B. Ashok
22. Prof. Ashish Choudhury
23. Prof. Sujit K. Chakrabarti
24. Prof. Sachit Rao
25. Prof. Pradeesha Ashok
26. Prof. Uttam Kumar
27. Prof. Amit Chattopadhyay
28. Prof. Shiva Kumar Malapaka
29. Prof. Priyanka Das
30. Prof. Preeti Mudliar

NON-TEACHING MEMBERS

1. Cmde S R Sridhar (Retd) – Registrar and Secretary to the Senate
2. Ms. Cynthia D'Mello
3. Ms. Ramadevi S
4. Mr. Somashekar T S
5. Ms. Akshatha P B

HIGHLIGHTS OF
SENATE MEETINGS

October 16, 2024
99th Senate Meeting

- Confirmation of the minutes of the 98th meeting of the Senate.
- Details of the action taken on the minutes of the 97th meeting of the Senate.
- Consideration and approval by the Senate for Special admission to PhD program.
- Consideration and approval by the Senate for matters related to Research scholars.

December 11, 2024
100th Senate Meeting

- Confirmation of the minutes of the 99th meeting of the Senate.
- Consideration and Recommendation of the Student(s) for Award of PhD Degree.
- Consideration and approval by the Senate for Matters related to Research scholars.
- Consideration and approval of new course proposals.
- Consideration and approval by the Senate for M.Tech in AI and DS.
- Consideration and approval for M.Tech in Information Systems.
- Approval by the senate for intake for 2025-26.

March 19, 2025
101st Senate Meeting

- Confirmation of the minutes of the 100th meeting of the Senate.
- Consideration and Recommendation of the Students for Award of PhD Degree.
- Consideration and Recommendation of the Students for Award of MS by Research Degree.
- Consideration and approval of the Senate for Matters related to Research scholars.
- New course Proposals for consideration and approval by the Senate.
- Consideration and approval by the Senate of the curriculum for the M.Tech. in AI & Data Science.
- Consideration and approval by the Senate for Report of the admission criteria for PhD.

April 16, 2025
102nd Senate Meeting

- Confirmation of the minutes of the 101st meeting of the Senate.
- Curriculum Committee Report for Master of Technology (Information Systems).
- Additional selection criteria of admissions to B.Tech. and Integrated M.Tech. programmes.
- Consideration and approval by the Senate for special admission to PhD program.
- Change in nomenclature of B.Tech DSAI for consideration and approval of the Senate.

June 18, 2025
103rd Senate Meeting

- Confirmation of the minutes of the 102nd meeting of Senate.
- Consideration and Recommendation of the Students for Award of PhD Degree.
- Consideration and Recommendation of the Students for Award of Master of Science by Research Degree.
- Consideration and Recommendation of the Students for Award.
- of Master of Technology degree.
- Consideration and Recommendation of the Students for Award of MSc (Digital Society) degree.
- Consideration and Recommendation of the Students for Award of Master of Technology and Bachelor of Technology degrees to Integrated MTech students.
- Matters related to Research scholars - For consideration and approval of the Senate.
- Request for extension to complete Integrated M.Tech – For consideration and approval of the Senate.

July 16, 2025
104th Senate Meeting

- Confirmation of the minutes of the 103rd meeting of Senate.
- New course proposals for consideration and approval of the Senate.
- Proposal to split CSE 513 into two courses for consideration and approval of the Senate.
- BTech AI&DS revised curriculum for consideration and approval of the Senate.
- Executive Diploma in Digital Public Infrastructure (DPI) programme for consideration and approval of the Senate.
- Matters related to Research scholars - For consideration and approval of the Senate.

International Institute of Information Technology Bangalore

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CONVOCATION

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IIIT-BANGALORE CONFERRED

372 GRADUATES
WITH DEGREES DURING
SILVER JUBILEE CONVOCATION

The International Institute of Information Technology Bangalore (IIIT-B) held its 25th Annual Convocation on July 6, 2025. The event was graced by Chief Guest Prof. Govindan Rangarajan, Director, IISc Bangalore, and Guest of Honour Dr. Venkat Padmanabhan, Managing Director, Microsoft Research India. It was presided over by IIIT-B Governing Body Chairman, Padma Bhushan Mr. Kris Gopalakrishnan, and Director Prof. Debabrata Das.

A total of 372 students graduated across various programs: 142 from the Integrated M.Tech, 192 from the M.Tech, 12 from the MSc in Digital Society, 10 from the MSc by Research, and 16 PhD scholars.

Prof. Debabrata Das, extended a warm welcome to everyone and presented the IIIT-B annual report. While congratulating the students on their graduation, he said, " As we celebrate the 25th Convocation of IIIT-B, I take great pride in recognizing the exceptional accomplishments of the graduating Class of 2025. This cohort has demonstrated extraordinary talent and dedication across frontier areas such as AI/ML, Computer science, Wireless Communication, Networking, Natural Language Processing, VLSI and advanced Software Systems and Digital society. Their journey has been marked by significant victories in global hackathons and innovation challenges, impactful research published at prestigious international platforms, and the receipt of highly competitive scholarships and grants. Notably, several students have secured patents, a testament to their drive for real-world innovation. In their diversity lies their strength, and in their unity of purpose, they exemplify the values of integrity, excellence, and community that define IIIT-B."

Chief Guest, Prof. Govindan Rangarajan, Director, IISc Bangalore, in his address, congratulated all the graduating students for earning their well-deserved degrees. He also went on to talk about networks and how they can be very fragile, and how you can help, and what the impact is on society. He added that all of us feel connected to one another, and the network infrastructure and the network supply chains have made the whole process efficient. But there are also fragilities in the system. It's very critical andwe should also build in sufficient safeguards.

"This is an opportunity," he said, "for both the CEOs and the graduates here to build systems that are not vulnerable to attacks. And for those who want to be entrepreneurs, there is a chance for you to be able to diversify the supply chains. There is a need for people like you who will create software, who will create applications, which will provide alternatives to countries like India, which are looking to diversify those resources. So these are all great opportunities for students, and you can create a big impact by getting into this area of software or hardware."

He further added, "AI is now taking over all the routine technical jobs. Now, the things which will be more valuable to all of you would be your capacity for critical thinking, your capacity to build relationships with other human beings, and so on. These soft skills are becoming more and more important." He concluded by saying, "So let me end by again requesting all of you to cherish all the human relationships."

Guest of Honour, Dr. Venkat Padmanabhan, Managing Director, Microsoft Research India, congratulated all the students on the momentous occasion of the silver jubilee convocation. He went on to add "If you look at the world, generative AI has taken over by storm. There are a lot of positives and also risks. The evolution of AI and generative AI is very real. Technology marches ahead, and generative AI is yet another step on the ladder. Tedious and manual work is getting automated so that people can focus on what is more interesting. I think in the new world, as you enter the workforce, build companies, and work in various institutions you have great opportunities to look forward to. An important determinant of success is your own ambition. If you aim high, you will achieve great things."

Congratulating the graduating class of 2025, Padma Bhushan Mr. Kris Gopalakrishna said: "This moment is a celebration of your perseverance, dedication, and talent. It is also a moment of pride for the institute. You are entering the world at a truly unprecedented time — a world that is volatile, uncertain, complex, and ambiguous. Inflation, recession fears, and energy instability have disrupted economies. Shortages in key areas, such as electronic components, continue to challenge manufacturers. Climate change and extreme weather are impacting agriculture, infrastructure, and livelihoods. Artificial Intelligence is transforming our world more rapidly than most of us can adapt to. Don't wait for change — lead the change. The world needs intelligent, ethical, and compassionate leaders now more than ever."

GRADUATING CLASS OF 2025

International
Institute of Information
Technology Bangalore

5

DEAN'S LIST

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DEAN'S LIST – JUNE 2025

The Dean's List at IIIT-B honours the students who have achieved high academic excellence across all the courses completed by them. The list is updated annually on the basis of the Cumulative Grade Point Average (CGPA) obtained by students. Heartiest congratulations to the B.Tech., M.Tech. and Integrated M.Tech. Dean's List students from the **Department of Computer Science and Engineering for 2025.**

#	Roll No	Name	Program
1	BT2024015	Jain Aksha Alkesh	Bachelor of Technology CSE
2	BT2024028	Sutaria Parth Anandkumar	Bachelor of Technology CSE
3	BT2024032	Gagan Syam Reddy B	Bachelor of Technology CSE
4	BT2024033	Awwab Ghole	Bachelor of Technology CSE
5	BT2024035	Aditya Nityanand Bhat	Bachelor of Technology CSE
6	BT2024038	Sushmit Biswas	Bachelor of Technology CSE
7	BT2024053	Taneesh Kamleshkumar Bhojawala	Bachelor of Technology CSE
8	BT2024054	Ayush Patel	Bachelor of Technology CSE
9	BT2024072	Sumanth Y M	Bachelor of Technology CSE
10	BT2024075	Dhyan Santoshbhai Patel	Bachelor of Technology CSE
11	BT2024086	Pranav Goyal	Bachelor of Technology CSE
12	BT2024100	Sricharan Anand	Bachelor of Technology CSE
13	BT2024144	Manne Rohith Sai	Bachelor of Technology CSE
14	BT2024151	Khadgi Aryan Viraj	Bachelor of Technology CSE
15	BT2024162	Vedansh Patel	Bachelor of Technology CSE
16	BT2024175	Jos Samuel Biju	Bachelor of Technology CSE
17	BT2024190	Penumarti Hanish	Bachelor of Technology CSE
18	BT2024192	H Sanjay	Bachelor of Technology CSE
19	BT2024200	Molleti Tatwik Sai	Bachelor of Technology CSE
20	BT2024212	Aryan Sharma	Bachelor of Technology CSE
21	IMT2020003	Karanjit Saha	Integrated Master of Technology CSE
22	IMT2020004	Sooraj Sathish	Integrated Master of Technology CSE
23	IMT2020014	Chinchwadkar Netradeepak Manoj	Integrated Master of Technology CSE
24	IMT2020015	Pawar Pushkar Sandip	Integrated Master of Technology CSE
25	IMT2020018	Rachit Agrawal	Integrated Master of Technology CSE
26	IMT2020024	Pavan Thanay Muthyala	Integrated Master of Technology CSE
27	IMT2020025	Chaudhari Aniruddha Shailesh	Integrated Master of Technology CSE
28	IMT2020032	Sarthak Harne	Integrated Master of Technology CSE
29	IMT2020039	Anshul Jindal	Integrated Master of Technology CSE
30	IMT2020045	Mayank Chadha	Integrated Master of Technology CSE
31	IMT2020051	Naitiksinh Solanki	Integrated Master of Technology CSE

32	IMT2020053	Chaitanya Manas Cheedella	Integrated Master of Technology CSE
33	IMT2020056	Rudransh Dixit	Integrated Master of Technology CSE
34	IMT2020065	Shridhar Sharma	Integrated Master of Technology CSE
35	IMT2020069	Chinmay Pankaj Parekh	Integrated Master of Technology CSE
36	IMT2020072	Badam Teja Venkata Sumanth	Integrated Master of Technology CSE
37	IMT2020073	Gatreddi Ashish	Integrated Master of Technology CSE
38	IMT2020081	Arin Awasthi	Integrated Master of Technology CSE
39	IMT2020084	Kondawar Arya	Integrated Master of Technology CSE
40	IMT2020094	Riddhi Chatterjee	Integrated Master of Technology CSE
41	IMT2020102	Tejdeep Gutta	Integrated Master of Technology CSE
42	IMT2020109	Chinthan Chandra	Integrated Master of Technology CSE
43	IMT2020501	Shreyansh Rajeeva Rai	Integrated Master of Technology CSE
44	IMT2020502	Monjoy Narayan Choudhury	Integrated Master of Technology CSE
45	IMT2020509	Hardik Khandelwal	Integrated Master of Technology CSE
46	IMT2020535	Venneti Shreeya Manasvi	Integrated Master of Technology CSE
47	IMT2020548	Tejas Sharma	Integrated Master of Technology CSE
48	IMT2021009	Madhav Sood	Integrated Master of Technology CSE
49	IMT2021011	Deepkumar Patel	Integrated Master of Technology CSE
50	IMT2021016	Harsh Kumar	Integrated Master of Technology CSE
51	IMT2021017	Ketaki Srikrishna Tamhanakar	Integrated Master of Technology CSE
52	IMT2021019	Siddharth Kothari	Integrated Master of Technology CSE
53	IMT2021022	Subhajeet Lahiri	Integrated Master of Technology CSE
54	IMT2021024	Krutik Patel	Integrated Master of Technology CSE
55	IMT2021028	Sankalp Kothari	Integrated Master of Technology CSE
56	IMT2021037	Handa Neil Jeetendra	Integrated Master of Technology CSE
57	IMT2021040	Vikas Kalyanapuram	Integrated Master of Technology CSE
58	IMT2021042	Maturi M S N V S Raghunadh	Integrated Master of Technology CSE
59	IMT2021046	Siddharth Chauhan	Integrated Master of Technology CSE
60	IMT2021048	Chavan Suyash Ajit	Integrated Master of Technology CSE
61	IMT2021055	Vidhish Trivedi	Integrated Master of Technology CSE
62	IMT2021058	M Srinivasan	Integrated Master of Technology CSE
63	IMT2021062	Kushal Partani	Integrated Master of Technology CSE
64	IMT2021066	Yukta Arvind Rajapur	Integrated Master of Technology CSE
65	IMT2021101	Sai Madhavan G	Integrated Master of Technology CSE
66	IMT2021103	Shlok Agrawal	Integrated Master of Technology CSE
67	IMT2022001	Siddharth Menon	Integrated Master of Technology CSE
68	IMT2022003	Ritish Shrirao	Integrated Master of Technology CSE
69	IMT2022010	Divyam Sareen	Integrated Master of Technology CSE

70	IMT2022017	Prateek Rath	Integrated Master of Technology CSE
71	IMT2022018	Swetha Murali	Integrated Master of Technology CSE
72	IMT2022027	Manda Kausthubh	Integrated Master of Technology CSE
73	IMT2022028	Nikita Kiran	Integrated Master of Technology CSE
74	IMT2022029	Metlapalli Ragini	Integrated Master of Technology CSE
75	IMT2022030	Hemant Gupta	Integrated Master of Technology CSE
76	IMT2022031	Maramreddy Siddharth Reddy	Integrated Master of Technology CSE
77	IMT2022038	Aaryan Ajith Dev	Integrated Master of Technology CSE
78	IMT2022042	Sai Venkata Sohith Gutta	Integrated Master of Technology CSE
79	IMT2022050	Shiven Phogat	Integrated Master of Technology CSE
80	IMT2022051	Rishabh Dixit	Integrated Master of Technology CSE
81	IMT2022055	Harsh Modani	Integrated Master of Technology CSE
82	IMT2022064	Praveen Peter Jay	Integrated Master of Technology CSE
83	IMT2022075	Aditya Priyadarshi	Integrated Master of Technology CSE
84	IMT2022076	Naik Mohit Avinash	Integrated Master of Technology CSE
85	IMT2022080	Siddhesh Deshpande	Integrated Master of Technology CSE
86	IMT2022082	Sathvik S Rao	Integrated Master of Technology CSE
87	IMT2022086	Ananthakrishna K	Integrated Master of Technology CSE
88	IMT2022089	Aayush Bhargav	Integrated Master of Technology CSE
89	IMT2022103	Anurag Ramaswamy	Integrated Master of Technology CSE
90	IMT2022107	Shashank Siddappa Devarmani	Integrated Master of Technology CSE
91	IMT2022114	Dhruv Mehul Kothari	Integrated Master of Technology CSE
92	IMT2022115	Dave Kandarp Samir	Integrated Master of Technology CSE
93	IMT2022118	Shashwat Chaturvedi	Integrated Master of Technology CSE
94	IMT2022507	Vishruth Vijay	Integrated Master of Technology CSE
95	IMT2022523	Dyuthi Vivek	Integrated Master of Technology CSE
96	IMT2022525	Devarakonda Pradyun	Integrated Master of Technology CSE
97	IMT2022527	Vrajnandak Nangunoori	Integrated Master of Technology CSE
98	IMT2022546	Ayush Gupta	Integrated Master of Technology CSE
99	IMT2022570	Mupparapu Koushik	Integrated Master of Technology CSE
100	IMT2023001	Sure Venkata Nagasai Sathvik	Integrated Master of Technology CSE
101	IMT2023106	Harsh Mohta	Integrated Master of Technology CSE
102	IMT2024003	Gutha Raj Vardhan	Integrated Master of Technology CSE
103	IMT2024011	Siddharth Brijesh Tripathi	Integrated Master of Technology CSE
104	IMT2024014	Akshay K M	Integrated Master of Technology CSE
105	IMT2024028	Anurag Rao U	Integrated Master of Technology CSE
106	IMT2024029	Anish Teja Bramhajosyula	Integrated Master of Technology CSE
107	IMT2024032	Shroff Rudra Hardik	Integrated Master of Technology CSE

108	IMT2024036	Ryan Sajan Varughese	Integrated Master of Technology CSE
109	IMT2024054	Macwan Darell Suhrudkumar	Integrated Master of Technology CSE
110	IMT2024065	Kulshresth	Integrated Master of Technology CSE
111	MT2023050	Naik Vraj Jatin	Master of Technology CSE
112	MT2023083	H Anarghya	Master of Technology CSE
113	MT2023117	Riya Patidar	Master of Technology CSE
114	MT2023144	Swadi Korattiparambil	Master of Technology CSE
115	MT2024087	Singuru Manognya	Master of Technology CSE
116	MT2024108	Parv Ketanbhai Gatecha	Master of Technology CSE
117	MT2024148	Shubh Sanjaykumar Patel	Master of Technology CSE
118	MT2024163	Trivedi Maitri Rajendraprasad	Master of Technology CSE
119	MT2024167	Vaswani Aashish Raju	Master of Technology CSE
120	MT2024172	Prabal Singh	Master of Technology CSE

The Dean's List at IIIT-B honours the students who have achieved high academic excellence across all the courses completed by them. The list is updated annually on the basis of the Cumulative Grade Point Average (CGPA) obtained by students. Heartiest congratulations to the B.Tech., M.Tech. and Integrated M.Tech. Dean's List students from the **Department of Electronics and Communication Engineering for 2025.**

| #	Roll No	Name	Program
1	BT2024003	Shaivi Nandi	Bachelor of Technology ECE
2	BT2024130	Patankar Aabha Samir	Bachelor of Technology ECE
3	BT2024260	Gonuguntla Lohith Prapoorna Chandra	Bachelor of Technology ECE
4	BT2024268	Vedant Pravin Mundada	Bachelor of Technology ECE
5	IMT2020507	Asmita Zjigyasu	Integrated Master of Technology ECE
6	IMT2020512	Aakash Khot	Integrated Master of Technology ECE
7	IMT2020523	Deshpande Kedar Yogesh	Integrated Master of Technology ECE
8	IMT2020546	B K Aamod	Integrated Master of Technology ECE
9	IMT2020553	Abhinav Mahajan	Integrated Master of Technology ECE
10	IMT2020554	Anshul Akhilesh Madurwar	Integrated Master of Technology ECE
11	IMT2020561	Ishaan Sanjay Jalan	Integrated Master of Technology ECE
12	IMT2021518	Anshuman Kumar	Integrated Master of Technology ECE
13	IMT2021524	Barath S Narayan	Integrated Master of Technology ECE
14	IMT2022552	Shannon Muthanna I B	Integrated Master of Technology ECE
15	IMT2022571	Sasi Snigdha Yadavalli	Integrated Master of Technology ECE
16	IMT2023585	Arismita Mukherjeee	Integrated Master of Technology ECE
17	IMT2024031	Heer	Integrated Master of Technology ECE

18	IMT2024072	Pranava Swarup Balachander	Integrated Master of Technology ECE
19	MT2023505	Shivangi	Master of Technology ECE
20	MT2023506	Aishwarya V Koushik	Master of Technology ECE
21	MT2023508	Alwin Shaju	Master of Technology ECE
22	MT2023510	Valipireddy Pranathi	Master of Technology ECE
23	MT2023511	Ammula Shiva Kumar	Master of Technology ECE
24	MT2023513	Lakshmi Sai Niharika Vulchi	Master of Technology ECE
25	MT2023519	Shant Rakshit	Master of Technology ECE
26	MT2023520	Nancy Gupta	Master of Technology ECE
27	MT2023528	Gaikwad Shubham Vitthal	Master of Technology ECE
28	MT2023530	Iswarya I	Master of Technology ECE
29	MT2023537	Kopparthi Dinesh Lingaiah	Master of Technology ECE
30	MT2023538	Kaparthi Rachana	Master of Technology ECE
31	MT2024509	Ayush Prakash	Master of Technology ECE
32	MT2024516	Gourab Kundu	Master of Technology ECE

The Dean's List at IIIT-B honours the students who have achieved high academic excellence across all the courses completed by them. The list is updated annually on the basis of the Cumulative Grade Point Average (CGPA) obtained by students. Heartiest congratulations to the B.Tech. Dean's List student from the **Department of Artificial Intelligence & Data Science for 2025.**

#	Roll No	Name	Program
1	BT2024014	Sindhoor Ganapathi Hegde	B.Tech Data Science and AI

International
Institute of Information
Technology Bangalore

6
EVENTS & HAPPENINGS
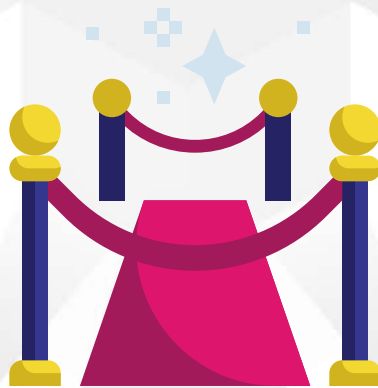
RESEARCH

RIGOR

RELEVANCE

EVENTS

August 2-3, 2024
Cyber Security Essentials Programme

A Cyber Security Essentials Programme was conducted by Center for Technology Research and Innovation – Digital Governance (CTRI-DG). The training programme was attended by 25 members from different departments of Govt. of Karnataka.

August 15, 2024
Independence Day Celebrations

The 78th Independence Day celebrations were held at the Campus Football ground, with all the students, faculty and staff coming together. The event began with a speech from the Director of IIIT-Bangalore, Prof. Debabrata Das followed by the flag hoisting and singing the National Anthem with enthusiasm and patriotic fervor.

Director's speech was followed by a melodious flute performance and an opening act by the Impulse Club. Different clubs took the stage in enthralling the audience with their performances in street play, patriotic songs, and a few dance performances. One of our student shared a heartfelt poem about the importance of the day and everyone joined in to recite the Panch Pran pledge. The event wrapped up with the distribution of sweets.

August 21, 2024
Valedictory Function for the First Cohort of K-VLSI Programme

IIIT-Bangalore hosted the valedictory function for the first cohort of the Karnataka VLSI (K-VLSI) programme. 71 students received certificates, marking the successful completion of this rigorous 9-month training.

The valedictory ceremony was graced by distinguished guests, including Shri. Priyank Kharge, Hon. Minister for Rural Development, Panchayat Raj, IT, BT, and Science & Technology, Dr. Ekroop Caur, IAS, Secretary, Department of IT, BT & ST, Government of Karnataka and Prof. Debabrata Das, Director, IIIT-Bangalore. Other notable attendees included Mr. BV Naidu, Chairman of KDEM, Mr. Ashok Mishra, Executive Committee Member of IESA, representatives from FutureWiz, the Noida-based ed-tech training partner and industry partners from Karnataka.

The K-VLSI programme, supported by the Karnataka Digital Economy Mission (KDEM), the India Electronics and Semiconductor Association (IESA) and the Semiconductor Fabless Accelerator Lab (SFAL), aims to advance semiconductor technology in India. The initiative provides intensive training and hands-on experience in preparing the students for the future of semiconductor technology.

August 22, 2024
Talk by Prof. Nishanth Sastry

Prof. Nishanth Sastry, Director of Research, University of Surrey spoke on 'Is Redecentralisation the Answer to Partisanship, Hate Speech, Tracking etc.?' In his talk, he emphasized that the web and social media are plagued by online harms like hate speech and pervasive tracking by ad-driven ecosystems.

August 23, 2024
National Space Day celebration

IIIT-Bangalore conducted a half-day workshop titled 'Space is the Limit, Powered by Science & Technology' on the occasion of National Space Day, featuring an exciting lineup of speakers.

Mr. S. Chandrashekar, Visiting Professor, NIAS, spoke on "India and the World Space Order." Mr. H. R. Madhusudana, Educator, JN Planetarium, delivered a talk on 'C. V. Vishveshwara: Sowing the Seeds of Research'.Prof. Spenta Wadia, Professor, ICTS-TIFR, Bangalore, presented 'A Brief History of Time', Mr. Pranit Mehta, Founding Member & VP Business,

Galaxeye, spoke on 'Consistency in Satellite Imagery – The Key to Increasing its Adoption'. Moreover, National Space Day also featured a fun and educational quiz where Teams of 3 to 4 students tested their space knowledge and competed for exciting prizes.

September 4-6, 2024
IIIT-Bangalore co-hosts Data Power Conference

The 5th International Data Power Conference in a hybrid format was conducted with IIIT-Bangalore (through its Centre for IT and Public Policy) and University of Graz, Austria serving as the host institutions. The conference theme for 2024 was 'Situating Data Practices beyond Data Universalism'.

September 8, 2024
Bengaluru Chapter of IIT Bombay's Mood Indigo Hosted at IIIT-Bangalore

IIIT-Bangalore hosted the Bengaluru chapter of the one of Asia's largest cultural festivals, Mood Indigo, in collaboration with IIT Bombay. The two institutes

put together several events that were conducted on campus throughout the day- including Aagaaz (Nukkad Natak), Mantra (Battle of the Bands), MI Idol (Solo Hindi Singing), Speak Up (Turncoat Debate), Singing The Indigos (Solo English Singing), Slam Poetry, Mr. and Miss Bangalore, Chosen One (Solo Acting), Third Bell (Stage Play), MI The Best (Solo Acting), Mime (Silent Theatre Play), and Desi Beats (Group Bollywood Dance).

Students actively participated in the events bringing in more energy, enthusiasm, making it more engaging and memorable. Several of IIIT-Bangalore's in-house clubs also took part in the event, including Parvaaz (Drama Club) performing their play Chandini for Third Bell; as well as Broken Bottle and Symphony's (Music Club) bands for Mantra. There were several talented solo performers for Turncoat Debate, Slam Poetry and MI Idol.

The crowd milled around the campus, cheering up the performers, making it more livelier.

September 11-12, 2024
Cyber Security Essentials Programme

IIIT-Bangalore organized a Cybersecurity Essentials Programme for Government of Karnataka officials. This programme is supported by Center for Technology Research and Innovation – Digital Governance (CTRI-DG). A total of 44 officials attended the training programme and received certificates.

September 14, 2024
IIIT-Bangalore Concludes the Largest Global Graduation Ceremony with upGrad

IIIT-Bangalore in 2024 concluded one of the largest graduating cohorts of the year with nearly 4000 learners joining from India and globally.

The event honored the learners – both India and International, completing various online certifications and postgraduate programmes in Data Science, Software Development, and Machine Learning & Artificial Intelligence (AI).

Dr. Vivek Raghavan, Co-Founder of Sarvam AI, graced the ceremony as the chief guest. The other dignitaries included: Co-founder of upGrad – Ronnie Screwvala along with Prof. Debabrata Das (Director of IIIT-B), Prof. Chandrashekar Ramanathan (Dean Academics, IIIT-B), Prof. V Sridhar (Faculty in-charge, Continuing Profesional Education, IIIT-B), and SR Sridhar (Registrar, IIIT-B).

Mr. Ronnie Screwvala highlighted the nearly decade-long partnership between upGrad and IIIT-B, emphasizing their shared commitment to building a knowledge economy.

September 17, 2024
Milan: Farmer Producer Organizations - Pathway Towards Digital Agriculture Workshop

IIIT-B Innovation Center organized a workshop to provide an impetus to drive digital transformation in India's agricultural sector and promote collaboration between innovators and farmers. The workshop was chaired by Dr. Lakshmi Jagannathan, CEO, Innovation Centre and Executive VP, COMET Foundation.

A panel discussion titled "Building Digital Scalable Platforms for Indian Societal Good," moderated by Prof. Ramesh Kestur, explored challenges in digitizing Farmer Producer Organizations (FPOs), the need to diversify their activities, and strategies for implementing effective digital solutions.

6 startups and 12 FPOs participated in the workshop, presenting their innovative ideas. An expert committee later matched startups with suitable FPOs to foster collaborative partnerships. An interactive session enabled both sides to discuss strengths and align efforts for future collaboration.

September 18-19, 2024
IIIT-B Hosts Tanzanian Delegation for High-Level Workshop

IIIT-Bangalore and the Bill & Melinda Gates Foundation co-hosted a High-Level Workshop for a visiting Tanzanian delegation at IIIT-B.

Experts from MOSIP, OpenG2P, the Centre for Digital Public Infrastructure (CDPI), and NPCI International

Payments Ltd. (NIPL) led sessions on topics such as national ID systems, service delivery, payments, credentialing, and Digital Public Infrastructure (DPI).

During the workshop, the delegation explored MOSIP's platform and its capabilities for building secure, scalable national identity systems. The sessions highlighted MOSIP's efforts in Africa, focusing on financial inclusion and immigration. Attendees also participated in live demonstrations at the MOSIP Experience Centre, gaining firsthand insights into digital ID enrollment and its applications through OpenG2P.

September 18, 2024
IIIT-Bangalore Celebrates 26 Years of Excellence

IIIT-Bangalore celebrated 26 glorious years of continued excellence in the spheres of academics, research and innovation. This Foundation Day; students, faculty members and staff gathered to flag off yet another year of merit, rigour, and distinction.

The event began with the ceremonial lamp lighting followed by a speech by our esteemed Director Prof. Debabrata Das. Certificates were awarded to students featured in the Dean's Merit List, Student Activities Council members, and Aikyam for their blood donation drive. Following this, the audience was enthralled by a number of performances

orchestrated by the slew of cultural clubs of IIIT-B; including four melodious musical numbers by Symphony, a dance performance by Impulse, and a classical collaboration between the two. Further, an adaptation of 'Ghashiram Kotwal' by Parvaaz, as well as several other independent performances by the staff and the faculty members kept the audience captivated and engaged.

September 20-22, 2024
ZenLegacy Hackathon by Zense

ZenLegacy, a hackathon at IIIT-Bangalore, brought together bright minds to compete in three tracks. The event was sponsored by KubeNine and organized by Zense, the tech club of IIIT-Bangalore.

The three tracks in the event were, a. GenAI: Building AI-driven applications using Langchain, b. Computer Vision: Developing systems to detect and analyze user movements & c. IoT: Creating innovative connectivity solutions.

Vikas Yadav, KubeNine founder and IIIT-Bangalore alumnus, mentored participants. Zen Legacy concluded with some wonderful ideas and implementations from the participants.

October 19, 2024
Garba Night Celebration at IIIT-Bangalore

The IIIT-B community came together to celebrate Navratri in a grand and colourful manner with a Garba Night.

The student community was prepared this through a series of workshops conducted by the dance club of IIIT-B, Impulse. The event started with an aarti, wherein students came together to pray to and receive blessings from Goddess Durga, following which, prasad was distributed to all present. The music came on, and the event came into full form, with the hall filled to the brim with colourful whirling lehengas, flying kurtas, as well as the energetic dancing of all students present.

November 2, 2024
Deepavali celebrations light up IIIT-B

The IIIT-B family celebrated Deepavali in full festive spirit. The campus was beautifully adorned with vibrant rangolis and glowing diyas, creating a warm and welcoming atmosphere. A special puja was conducted to mark this auspicious occasion, and the entire community came together in joyful participation. The collective enthusiasm and involvement of everyone brought the true spirit of Deepavali to life, making it a memorable celebration for all.

November 6, 2024
Bangalore on IT

IIIT-B organized its annual public lecture series Bangalore on IT on November 6, 2024, featuring a talk titled "Building Generative AI for a Billion Voices," delivered by Dr. Vivek Raghavan, co-founder of Sarvam.ai. The lecture focused on the exciting potential of Generative AI (GenAI) and its application in India, particularly in addressing the country's diverse linguistic and cultural landscape. Dr. Raghavan emphasized the importance of creating AI systems that can effectively serve India's billion-strong population, tackling challenges related to language diversity, accessibility, and inclusivity.

November 13
A cultural extravaganza: Yakshagana adds color to Karnataka Rajyotsava festivities

IIIT-B celebrated Karnataka Rajyotsava with great fervor, showcasing the rich cultural, geographical, and historical heritage of the State. The event featured a series of cultural performances that highlighted Karnataka's vibrant traditions. A major highlight of the celebration was an enthralling Yakshagana performance, where eminent artists brought the stage to life with a captivating enactment of the Luv Kush story. The performance was enjoyed by students, faculty, staff, and guests, who all immersed themselves in this spectacular cultural experience.

November 15, 2024
Book Fair "Bibliomania"

IIIT-B organized a vibrant book fair titled "Bibliomania" on its campus to celebrate National Library Week. The event was inaugurated by Prof. Chandrashekar Ramanathan, Dean (Academics), and was met with great enthusiasm from students, faculty, and staff. Attendees had a wonderful time exploring a wide array of books, immersing themselves in the world of literature, and rekindling their love for reading.

November 19, 2024
Jagriti Enterprise Mela

The Jagriti Enterprise Mela by Jagriti Yatra, held at IIIT-Bangalore brought together social enterprises focused on solving the pressing challenges of middle India. Participating organizations showcased their innovative solutions to an engaged audience of young,

enterprising individuals eager to collaborate. The event featured insightful keynotes, panel discussions, and a surprise musical performance, creating a vibrant atmosphere for networking and partnership opportunities.

November 21, 2024
MOSIP All Hands Meet

The annual MOSIP All Hands meet was organised at IIIT-Bangalore. This provided a unique opportunity to reflect on the project's journey, reconnect as a team, and celebrate its remarkable progress. The day was filled with insightful discussions, where team members shared stories of growth, celebrated both individual and collective achievements, and looked ahead to the exciting challenges and opportunities in MOSIP's future.

November 21-22, 2024
Cyber Security Essentials Program

Cyber Security Essentials Programme was organised for Government of Karnataka officials at IIIT-B.

This programme is supported by Center for Technology Research and Innovation-Digital Governance (CTRI-DG).

November 26, 2024

IIIT-B commemorated World AIDS day by organizing a Health and Awareness Session.

November 26, 2024

IIIT-B celebrated Constitution Day on its campus, honoring the core values enshrined in the Indian Constitution. The occasion featured an Oath Ceremony, where students, faculty, and staff reaffirmed their commitment to these constitutional principles. Additionally, a Constitution display was set up, and an engaging online quiz was organized to test knowledge and awareness about the Constitution. The celebration served as a reminder of the importance of upholding the values of justice, liberty, and equality, while fostering a deeper understanding of India's constitutional framework.

December 11, 2024
IIIT-B Celebrates Bharatiya Bhasha Diwas: A Focus on Technologies for Indian Languages

IIIT-Bangalore commemorated Bharatiya Bhasha Diwas, with a special focus on "Technologies In, For, and Through Indian Languages." This day honors the birth anniversary of Mahakavi Subramania Bharati and celebrates India's rich linguistic heritage, fostering multilingualism.

The event featured a series of insightful technical talks and demonstrations, showcasing advancements in Indian language technologies. Eminent speakers from both academia and industry shared their expertise on various aspects of language processing, with a focus on Indic languages.

The event commenced with insightful opening remarks by Prof. Srinath Srinivasa, Dean (R&D), followed by a compelling keynote address by Prof. Pushpak Bhattacharyya from IIT-Bombay on the topic "Low Resource Machine Translation of Indic Languages." Dr. Shakira Jabeen presented a talk on "Multiple Languages of India, Multilingualism, Constitutional Guarantees, and Preventing Language Death." Mr. Revendranath T from Mphasis discussed the challenges and opportunities of Large Language Models (LLMs) for Indic languages in his talk & Niharikasri Parasa focused on the progress, existing gaps, and future directions in Indic Natural Language Processing (NLP).

December 12, 2024
Faculty Development Programme at IIIT-B

IIIT-B organized a Faculty Development Programme

featuring Dr. Manjit Singh, a renowned Quality Assurance expert, as the resource person. The session covered key topics, including Quality Assurance in Higher Education, the Binary Accreditation Framework of NAAC, and Institution Ranking at both national and international levels. All faculty members actively participated in the engaging and insightful session, which provided valuable knowledge and perspectives on enhancing institutional quality and performance.

December 13, 2024
Staff Development Programme at IIIT-B

IIIT-B organized a Staff Development Programme featuring Dr. Manjit Singh, an expert in Quality Assurance, as the resource person. The session focused on critical topics such as Quality Assurance in Higher Education at both institutional and program levels, with national and international perspectives, as well as Quality Audits as a means of enhancing quality. All staff members of IIIT-B actively participated in the session, which proved to be highly insightful and enriched their understanding of quality enhancement in higher education.

December 13-15, 2024
Indian Conference on Computer Vision, Graphics, and Image Processing (ICVGIP) 2024

IIIT-Bangalore successfully hosted the 15th Indian Conference on Computer Vision, Graphics, and Image Processing (ICVGIP 2024). Recognized as India's premier conference in the field, ICVGIP brought together over 300 participants from academia and industry, fostering collaboration and knowledge exchange.

Organized in collobation with the Indian Unit for Pattern Recognition and Artificial Intelligence (IUPRAI), an affiliate of the International Association for Pattern Recognition (IAPR), the conference featured a wide range of activities, including technical paper presentations, plenary talks by globally renowned experts, and the IUPRAI Doctoral Dissertation Award ceremony.

The plenary talks were a major highlight, with speakers such as Prof. Vasilis Ntziachristos (Technical University Munich), Prof. Alan C. Bovik (The University of Texas at Austin), and Prof. Deva Ramanan (Carnegie Mellon University) delivering thought-provoking insights on cutting-edge topics such as optical imaging, visual quality, and multimodal spatial intelligence.

As a landmark event, ICVGIP 2024 reinforced IIIT-B's position as a hub for innovation and thought leadership in the domains of computer vision, graphics, and image processing.

December 18-20, 2024
ADCOM 2024: Advancing Responsible AI at IIIT-Bangalore

IIIT-Bangalore hosted the 29th Annual International Conference on Advanced Computing and Communications (ADCOM 2024). Organized by the Advanced Computing and Communications Society (ACCS), ADCOM 2024 delved into the theme of "Responsible AI," addressing critical issues around the ethical deployment of artificial intelligence (AI) and its role in shaping the future of technology and society.

The event featured 21 research paper presentations, 10 short papers by Ph.D. students, and 12 insightful keynotes by industry experts. A highlight of the conference was a fireside chat with Prof. Virginia Dignum (Umeå University, Sweden) and the "Ignite AI StartUp Pitch Fest," where 15 teams pitched their ideas to a panel of investors. IIIT-Bangalore's successful hosting of this prestigious conference underscored its leadership in advancing ethical and responsible AI practices.

December 20, 2024
Merry December: IIIT-B Celebrates the Spirit of Christmas

IIIT-Bangalore celebrated Christmas with warmth and joy. Students, faculty, and staff gathered like a big happy family singing melodious Christmas carols and Jingle Bells. Santa made a delightful appearance, showering chocolates like snowflakes of joy. Lively games, soulful music, and scrumptious Christmas snacks added to the merriment, making the day sparkle like a star atop the holiday season.

January 4, 2025
IIIT-B in collaboration with University of Toronto conducts conference on AI and the City

IIIT-Bangalore in collaboration with the University of Toronto, hosted a conference titled 'AI and the City: Understanding Applications in Urban Environments'.

The event explored how AI-powered public-private partnerships can address critical urban governance challenges, including water management, transportation, waste disposal, and climate adaptation.

Organized by IIIT-B's Centre for Information Technology and Public Policy (CITAPP), the School of

Cities at the University of Toronto, and the University of Toronto India Foundation (UTIF), the conference brought together experts from 22 institutions across 11 countries. Researchers presented AI-driven studies on urban planning, climate resilience, and cybersecurity.

January 18, 2025
Confluence 2025

Confluence 2025 brought together over 400 curious minds, eager to explore this year's theme—"Cadence of Creations: Exploring the Beauty of Patterns in Nature, Technology, and Design."

From decoding AI biases to unraveling the secrets of marketing and embracing the power of inclusivity, the day was packed with inspiring sessions, thought-provoking discussions, and game-changing insights. The speaker lineup was nothing less than stellar! Advit Sahdev set the stage by blending marketing strategies with historical events, proving that timing is everything. Dejeshwini N mesmerized the audience with the magic of colors and patterns in art, while Dr. Vijender Singh Chauhan took a deep dive into how social media algorithms shape our digital world. Prof. Rajendra Bera, who connected physics and AI, sparking curious discussions. Nandita Jayaraj shone a light on women in science, inspiring future changemakers, while Suman John delivered a powerful session on disability inclusion and fostering an accessible society. In the concluding session, Ankur Warikoo, captivated the audience with his insights on overcoming failures, finding clarity in

uncertainty, and embracing entrepreneurial courage. The energy, the ideas, the connections—Confluence 2025 was more than just an event; it was an experience.

January 22, 2025
IIIT-Bangalore Hosts an Enchanting Musical Workshop by Dr. Kerry Kriger

IIIT-Bangalore hosted Dr. Kerry Kriger, a distinguished flutist known for his expertise in Indian classical music and global styles. The workshop drew an enthusiastic audience of students, faculty, staff and music lovers.

Dr. Kriger shared his musical journey and demonstrated his unique ability to blend Indian classical techniques with global influences through a soul-stirring live flute performance. A key highlight was a collaborative jam session with Symphony, IIIT-B's Music Club. The event concluded with an engaging Q&A session, where Dr. Kriger shared his musical philosophy and experiences.

January 26, 2025
IIIT-Bangalore Commemorates the 76th Republic Day with Patriotic Fervor

IIIT-Bangalore celebrated the 76th Republic Day with great enthusiasm, bringing together students, faculty, and dignitaries.

The celebrations commenced with the hoisting of the national flag by Dr. Debabrata Das, followed by the singing of the national anthem. Attendees then collectively read the Preamble of the Constitution, reaffirming their commitment to its guiding principles. The cultural performances showcased India's rich

heritage and artistic expression. Highlights included a heartfelt poem recital by Aishwarya Sharma, a soulful musical performance by Symphony, IIIT-B's Music Club and a traditional Kamsale dance performance by children from Government School, Shantipura, Electronics City Phase 2 and a high-energy dance performance by first-year students

The event concluded with the distribution of sweets, symbolizing hope for a brighter and more inclusive future.

February 4, 2025
Talk on A Chemical Flavor for Networks

IIIT-B hosted an engaging Invited Talk titled "A Chemical Flavor for Networks", presented by Prof. Anjan Kr Dasgupta, a distinguished retired professor from the University of Calcutta. The session explored fascinating insights into evolutionary chemical structures, biomolecular formations, and the physical principles underlying chemical reaction networks, including the Onsager approach. Attended by both faculty and students, the talk sparked deep intellectual curiosity, leading to thought-provoking discussions.

February 21-22, 2025
RISE Innovation Conclave

IIIT-Bangalore successfully hosted the 8th edition of RISE (Research, Innovation, Society, and Entrepreneurship), an annual event that brings together students, researchers, industry leaders, and policymakers to explore cutting-edge advancements in technology and innovation.

The first day of RISE 2025, RISE Innovation Conclave, focused on the theme "Empowering the Future: The 5G/6G Disrupt", delving into how next-generation communication technologies are revolutionizing critical sectors such as healthcare and smart manufacturing.

Key sessions included:

- Inaugural Session: "Transforming India's Communication Landscape: The 5G/6G Revolution" – An insightful discussion on India's progress in next-generation communication.
- Healthcare Track: "Revolutionizing Healthcare in the 5G/6G Era" – Exploring advancements in telemedicine, remote surgery, and medical innovations.
- Manufacturing Track: "Industry 4.0: Smart Manufacturing in the 5G/6G Era" – Examining automation, digital twins, and predictive maintenance.
- Closing Fireside Chat: "The Road to 6G" – A forward-looking discussion on emerging applications and policy considerations for 6G.

Participants had the opportunity to engage in keynote speeches, panel discussions, technology showcases, and networking sessions, gaining valuable insights into the latest research and industry trends.

RISE Open House 2025: Showcasing Breakthrough Research and Collaborations

The second day, RISE Open House 2025, featured an impressive display of over 80 research posters and demonstrations, covering diverse domains such as Computer Science, Data Science, IT and Society, Physics, Network Communications, Software Engineering, and VLSI. Students, scholars, and industry professionals explored groundbreaking research, fostering interdisciplinary knowledge-sharing and collaboration.

A major highlight of the event was the keynote address by Ms. Suma Varughese, Director General of DRDO, on "Emerging Technologies: Shaping the Future". She discussed the role of academic research in advancing autonomous systems, AI-driven decision-making, high-quality sensors, secure communications, and advanced computing for defense applications.

Beyond research presentations, RISE Open House provided exclusive internship opportunities, allowing students to apply for 20 research internships to work alongside top researchers in their respective fields. Hands-on workshops conducted by IIIT-B's research centers, including COMET Foundation, CAGS, E-Health Research Centre, and the Centre for Applied Sciences further enriched the learning experience.

February 19, 2025
FinQ session

A FinQ Session, a specially designed financial training workshop was conducted by ICICI Bank at IIIT-B aimed at enhancing financial literacy. The session provided valuable insights into financial planning, investing, and saving strategies, empowering attendees with practical knowledge to make informed financial decisions. Participants found the session highly beneficial.

February 22, 2025
Sangam 2024: An Evening of Nostalgia, Celebration, and Togetherness

Sangam 2024 was more than just a reunion—it was a heartfelt celebration of IIIT-B's legacy. Alumni from various batches returned to their alma mater, rekindling old friendships, sharing stories, and creating new connections. The night was further enlivened by spectacular performances—Symphony, the music club, mesmerized the audience, Impulse set the stage ablaze with their dynamic dance performance, and Parvaaz transported everyone into a world of emotions with their theatrical act. The

highlight of the evening was the electrifying special act by 'Let's Jam', filling the air with energy and rhythm. Families joined in the celebrations, reliving the IIIT-B spirit. There was also opportunity to contribute for the Student Benevolent Fund, to encourage alumni to support talented students in need.

February 28, 2025
RISE Ph.D. Colloquium: A Platform for Research Scholars

The RISE Ph.D. Colloquium provided a dedicated platform for Ph.D. scholars and research students to present their work through flash talks, poster sessions, and interactive discussions. The colloquium featured research in diverse areas such as AI, e-Health, digital data, and cybersecurity, offering scholars an opportunity to gain feedback, connect with experts, and explore potential collaborations.
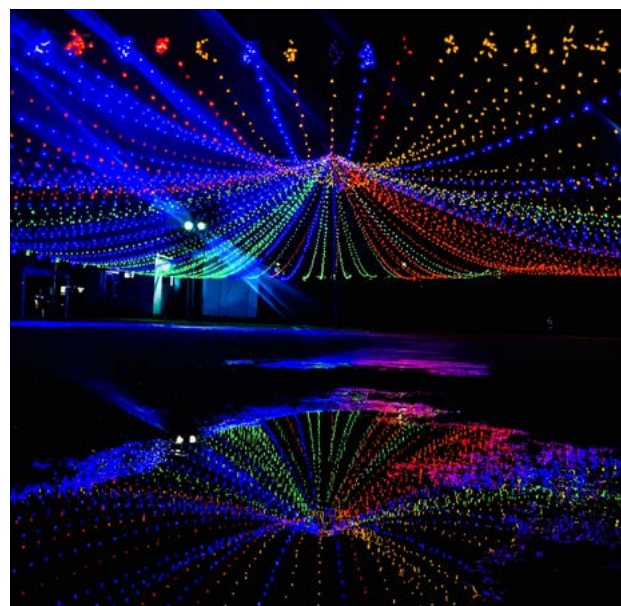
March 17, 2025
IIITB COMET Foundation conducts workshop on Reconfigurable Intelligent Surfaces (RIS)

IIITB COMET Foundation, in association with Bharat 6G Alliance and TSDSI, successfully concluded a comprehensive workshop focused on Reconfigurable Intelligent Surfaces (RIS) technology. The event commenced with an inaugural session featuring distinguished representatives from IIITB, COMET, Bharat 6G Alliance, TSDSI, and the Department of Telecommunications (DoT). A significant milestone was achieved with the inauguration of the RIS testbed along with an anechoic chamber in the presence of the attending dignitaries.

COMET Foundation demonstrated cutting-edge progress in RIS technology through interactive demonstrations that showcased practical applications and ongoing R&D initiatives.

March 5, 2025
Inauguration of K-VLSI PG Diploma Cohort-2

IIIT-Bangalore proudly inaugurated the K-VLSI PG Diploma Cohort-2, welcoming 144 exceptional students from 60+ engineering colleges. The inauguration ceremony was graced by esteemed dignitaries, including Mr. B V Naidu, Chairman, Karnataka Digital Economy Mission (KDEM); Prof. Debabrata Das, Director, IIIT-Bangalore; Prof. Chandrashekar Ramanathan, Dean (Academics),

IIIT-B; and Prof. Madhav Rao, Associate Professor & HoD, ECE Department, IIIT-B. The speakers highlighted the programme's pivotal role in nurturing the next-generation semiconductor professionals and strengthening India's VLSI and semiconductor ecosystem.

The K-VLSI PG Diploma is spearheaded by IIIT-Bangalore's MINRO Center in collaboration with KDEM, India Electronics and Semiconductor Association (IESA), Semiconductor Fabless Accelerator Lab (SFAL), and the IT-BT Department, Government of Karnataka.

March 10, 2025
Breast Cancer Screening Camp Organized at IIIT-B

As part of the National Safety Week celebrations, the National Safety Council of India conducted a Breast Cancer Screening Camp at IIIT-B. The initiative aimed to promote early detection and awareness of breast cancer among women. The event saw an enthusiastic response from the staff and housekeeping personnel, who actively participated in the screening and awareness sessions.

March 12, 2025

IIIT-Bangalore organized an insightful session on Finding Balance: Lessons for Work and Life with Acharya Prashant, offering valuable perspectives on managing career aspirations while nurturing personal well-being. The session empowered attendees with clarity and confidence to navigate life's challenges effectively.

April 19, 2025

IIIT-B Collaborates with Let's Talk Spatial to Host Premier Geospatial Meetup

 IIIT-Bangalore hosted the "Spatial Talk and Network #20" meetup, a monthly gathering for geospatial and GIS professionals, on Saturday, April 19, 2025.

Jointly organized by Let's Talk Spatial and IIIT-B, the event featured insightful sessions from leading experts in the geospatial domain. The speakers included Prof. Jasmeet Judge, Director of the Center for Remote Sensing at the University of Florida (currently affiliated with ICWaR, IISc), and Dr. Subash Yeggina, Senior Research Scientist at Pixxel Space.

The meetup provided a dynamic platform for knowledge exchange, networking, and discussion around emerging trends and applications in spatial technologies.

April 22, 2025
Celebration of World Earth Day

World Earth Day was celebrated at IIIT-B with tree plantation ceremony. Dr. Debabrata Das, Director, Cmde SR Sridhar (Retd.), Registrar and Mr. Jagadish Patil, CAO led the event, joined by faculty, students and staff.

April 23-24, 2025
IIIT-Bangalore Hosts National Consultation Led by NCPEDP and Mphasis Foundation

IIIT-B, through its Centre for Accessibility in the Global South (CAGS), hosted a two-day multi-stakeholder consultation titled "Re-Imagining Pathways for Assistive Technology." The event was organised by the National Centre for Promotion of Employment for Disabled People (NCPEDP) in collaboration with Mphasis Foundation, to discuss inclusive and impactful Assistive Technology (AT) solutions for India. The consultation served as a dynamic platform for dialogue and collaboration among policymakers, corporates, startups, academia, civil society, and persons with disabilities. Designed to accelerate inclusive innovation, the event showcased thought leadership and action in the AT sector.

April 25, 2025
Microsoft and IIIT-Bangalore Launch "A4I – the AI Innovation and Inclusion Initiative" to Drive Scalable AI for Societal Impact

IIIT-Bangalore and Microsoft announced the launch of A4I – the AI Innovation and Inclusion Initiative, a collaborative effort aimed at advancing the use of artificial intelligence (AI) to create inclusive, impactful, and scalable solutions for underserved communities. Through this initiative, Microsoft and IIIT-B resolved to work closely to build a framework for partnerships and sustained scaling and support. This framework will help scale innovations already developed and tested by Microsoft into widely accessible Digital Public Goods (DPGs). The goal is to foster an ecosystem that nurtures AI-driven innovations for long-term societal impact.

A4I colloborates with domain-specific partners in education, healthcare, and accessibility to build solutions that are impactful and replicable at scale.

IIIT-B Students Embark on Transformative AI & Ethics Journey in Paris

As part of the prestigious Quadripartite MoU between Île-de-France, France, and IIIT-Bangalore, a learning trip was organized to Aivancity. 13 students from the B.Tech. first-year AI & DS department at IIIT-Bangalore visited the AivQuadripartite MoU.

Aivancity School for Technology, Business & Society Paris-Cachan and participated in a short course on "AI and Ethics."

The course included lectures on ethics, ethics by design, technology regulation, business strategy, responsible AI, and explainable AI. The Learning format involved discussions, debates, role-play, hands-on sessions, and short projects. A visit to UNESCO and the headquarters of the Paris Region was also arranged.Prof. Dinesh Babu Jayagopi, HoD, DSAI Department IIIT-B, accompanied the students and jointly developed several future modes of collaboration with Aivancity School.

May 12-16, 2025

The IIITB–Aivancity Datathon Week 2025 was held at IIIT Bangalore, with 18 students from IIIT-B and 12 students from Aivancity working in six teams. The datathon was centered on the theme ""Fixing a Failing Product" – A Review -Driven Business Rescue Mission". Technologies and datasets used were Python, Hugging Face, and the Amazon Reviews Dataset. The event was mentored by Prof. G Srinivasaraghavan and Mr. Arijit Chowdhury, fostering collaboration and innovation across institutions.

May 16-17, 2025

The Centre for Information Technology and Public Policy (CITAPP) organized a workshop with the Government of Victoria's Office of Trade and Investment to facilitate knowledge exchange on digital governance and technology policy. The workshop featured a series of insightful sessions, including Innovation in India, Digital Accessibility, Analogue to Digital Trade, Gig Lane, Going Beyond the Obvious, and a unique Theatre Application-based Workshop.

May 22-25, 2025

IIIT-B organized the ACM India Boot Camp on AI Development Life Cycle, a comprehensive hands-on training programme designed to strengthen foundational skills in programming, data structures, and algorithms. Led by seasoned experts from both academia and industry. The boot camp aimed to enhance participants' problem-solving abilities and coding proficiency. The programme provided valuable exposure to the demands of competitive programming, research, and real-world technical challenges, through a blend of expert-led sessions and hands-on practical exercises.

June 4-5, 2025
World Environment Day Celebrations

In celebration of World Environment Day, IIIT-B organized a plantation drive at Sudarvana Urban Forest in HSR Layout, Bengaluru, The location of the plantation drive was an erstwhile dump yard, which for years housed waste from neighboring localities. Thanks to the persistent efforts of local citizens and the Jeevanmukthi Foundation Charitable Trust, the area has been reclaimed to develop into a green urban forest. Additionally, an insightful session was conducted by Ms. Suma Narasa Prakash, a pioneering woman in technology, Senior Software Engineer at Oracle, Founder of S.A.V.E. (Serve And Value Every Life), and a key contributor to the development of Aadhaar QR Code Technology. The session was well-attended and offered participants a deep understanding of the growing threats to our planet, the alarming rise in pollution levels, and practical steps each of us can take to protect and preserve the environment.

June 9-13, 2025

The Youth Co:Lab National Innovation Challenge 2024–25 Boot Camp was successfully hosted at IIIT-Bangalore. The event concluded with a vibrant grand finale, marking the culmination of an inspiring and transformative five-day journey of innovation, learning, and collaboration.

Co-led by the United Nations Development Programme (UNDP) and Citi Foundation, in collaboration with Atal Innovation Mission (AIM), NITI Aayog, and implemented by Assistech Foundation, this edition of the Challenge focused on fostering entrepreneurial solutions that advance the well-being and inclusion of Persons with Disabilities (PwDs). The top 18 startups, shortlisted from across the country through the National Innovation Dialogue, were invited to participate in an intensive, hands-on Bootcamp hosted at IIIT-B. The Bootcamp offered deep-dive learning sessions, mentorship by industry experts, strategic business planning, and networking opportunities to refine and scale their solutions. On the final day of the Bootcamp, the top six startups were awarded seed grants to support their journey forward.

June 11, 2025

IIITB COMET Foundation, successfully launched the 'Future Wireless Communications' course at IIIT-B campus. The initiative aims to bridge the industry-academia skill gap by training Electronics and Communication Engineering (ECE) graduates for

high-demand roles in the rapidly growing telecom and wireless technology sectors.

The course prepares students for diverse career opportunities in:

- Telecom companies
- Software firms specializing in wireless and 5G technologies
- Hardware manufacturing firms
- Allied technology sectors

The program is expected to significantly contribute to building a future-ready workforce in India's telecom ecosystem while opening up lucrative career pathways for students from underserved regions.

June 17-18, 2025
Soapstone Fellowship for the Deaf

The closing ceremony of the Soapstone Fellowship for the Deaf 2024–25, organized by Hear A Million under the initiative of EnAble India and co-hosted by IIIT-B, was held on 17–18 June 2025. The two-day event featured vibrant Pecha Kucha-style presentations by fellows, showcasing their learnings, personal growth, and community initiatives. Reflections from SPOCs (Single Points of Contact) Dr.Sibaji Panda, the Director

of Happy Hands School for the Deaf, Odisha, Rahul Jain, the CEO of Yunikee, Hyderabad and Hardeep Singh, the Inclusion Coordinator and Designer from Museum of Art & Photography, the partner organizations highlighted the valuable contributions fellows made during their internships. The event marked a powerful conclusion to a 10-month journey of leadership development, knowledge exchange, and Deaf-led impact across India.

June 19, 2025
Session on Online Security

A training session on Online Security was conducted by Prof. Shrisha Rao, Dean Faculty, for all non-teaching staff members. The session was both informative and practical, offering valuable insights about staying safe in the digital world. Prof. Rao highlighted key strategies to identify and avoid online threats, and shared best practices for protecting personal and organizational data. The session enhanced staff awareness about cybersecurity and encouraged responsible online behavior.

June 25, 2025
Observing International Day Against Drug Abuse and Illicit Trafficking

In observance of the International Day Against Drug Abuse and Illicit Trafficking, an awareness session was organized at IIIT-Bangalore to educate and engage the campus community on the dangers of substance abuse. The session was conducted by

Ms. Aishwarya, Psychologist, who shared valuable insights on the psychological and social impact of drug use and strategies for prevention.

July 17-20, 2025
BDA Conference

Big Data and AI 2025 was successfully held at IIIT-Bangalore. The four-day event opened with three focused workshops, followed by three dynamic days of conference sessions. The conference hosted several distinguished keynote and invited speakers, including Prof. Biplav Srivastava, Dr. Kalika Bali, Mr. K. Anvar Sadath, Dr. Manas Gaur, Dr. Prasad Deshpande, and Prof. Yogesh Simmhan. Their talks offered a rich blend of perspectives from academia, industry, and policy, sparking thought-provoking discussions among attendees. Students from various institutions presented their research through 15 regular papers and 8 short paper presentations. The event also featured two tutorial sessions and an industry track that explored recent trends and challenges in AI, offering diverse viewpoints on the rapidly evolving landscape. The conference concluded with a well-received session on AI in Education, which drew enthusiastic participation and wide appreciation.

July 24, 2025
ELCIA Hackathon

IIIT-Bangalore, in collaboration with the Electronic City Industries Association (ELCIA), successfully hosted the Sense2Scale Hackathon as part of the ELCIA Tech Summit 2025. The event marked a significant step toward strengthening India's sensor technology ecosystem and nurturing market-ready innovations in Remote Patient Monitoring (RPM) solutions..

July 24-25, 2025
DPI Workshop

A two-day workshop titled 'Unpacking the Sociotechnical Imaginaries of Digital Public Infrastructure' was organised at IIIT-Bangalore in association with the University of Amsterdam.

The workshop aimed to bring together researchers thinking and working around different kinds of technologies called 'DPI', in order to foster critical

discussions around the design, deployment, and practice of digital public infrastructures.

July 21-25, 2025

IIIT-Bangalore Innovation Centre hosted 25 dedicated professors from across Karnataka under the NAIN 2.0 Faculty Development Program (FDP). This 5-day immersive "Ignite Course on Entrepreneurship" empowered faculty from Tier 2 & 3 city colleges to become catalysts for innovation and entrepreneurship in their institutions. The ultimate goal? To strengthen the entrepreneurial courage of students, especially in underserved geographies.

SAMVAAD - WEEKLY TALK SERIES

August 19: Prof. Prem Singh, Assistant Professor, IIIT-Bangalore spoke on 'FPGA based Accelerator Card Design for Open RAN and 3GPP compliant Massive MIMO Base Station for beyond 5G'.

August 26: Prof. T K Srikanth, Professor of Practice and Head of the E- Health Research Centre (EHRC), IIIT-Bangalore spoke on 'Leveraging Technology to help improve Health Care Services: Experience at E-Health Research Center, IIIT-Bangalore'.

September 3, 2024: "Mixed Signal Spiking Processors for Intelligent Sensing" by Dr. Aditya Dalakoti, Innatera Nanosystems, Dr. Petrut Bogdan, Innatera Nanosystems

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September 16, 2024: "Transforming Healthcare with Advanced Dialogue Systems" by Prof. Tulika Saha, IIIT-Bangalore.

September 19, 2024: "Realizing Artificial Intelligence Edge-to-Cloud-to-Exascale" by Mr. Puneet Sharma, Director, Networking and Distributed Systems Lab Hewlett Packard Labs.

September 23, 2024: "Multimodal AI: Unlocking the Full Potential of Healthcare Data" by Prof. Sushree S. Behera, IIIT-Bangalore.

October 14, 2024: "Application of Graph Theory for Perfect UE Grouping for Frequency Sharing" by Prof. Jyotsna Bapat, IIIT-Bangalore and Prof. Pradeesha Ashok, IIIT-Bangalore.

October 21, 2024: "Understanding and Customizing Model Compression" by Dr. Amit Awekar, IIT Guwahati. October 28, 2024: "Three Seasons of Medical Imaging" by Dr. Ananda Shankar Chowdhury, Jadavpur University, Kolkata.

November 4, 2024: "An Empirical Analysis of Prices of Radio Spectrum for Mobile Communication Services" by Prof. V Sridhar, IIIT-Bangalore.

November 11, 2024: "3D Vision: Problems and Possibilities" by Prof. Vishwanath Gopalakrishnan, IIIT-Bangalore.

November 18, 2024: "Sir M Visvesvaraya and his Quest to Engineer a Nation" by Prof. Aparajith Ramnath, Associate Professor, Humanities and Languages Division, School of Arts and Sciences, Ahmedabad University.

November 25, 2024: "Intelligent Reflecting Surfaces: Fundamentals, Optimization, and insights towards 6G Wireless Networks" by Prof Priyanka Das, IIIT-Bangalore.

January 13, 2025: "Design and Implementation of Low Complexity Decision Tree Algorithms" on FPGA/ASIC by Prof. Rituparna Choudhury.

January 20, 2025: "Advanced Memcomputing Devices" by Prof. Ananda Y R, IIIT-Bangalore.

January 27, 2025: "What do they know of Technology. Who Technology Only know" by Prof. Balaji Parthasarathy, IIIT-Bangalore

February 3, 2025: "Towards a Secure and Trustworthy Cyberspace: Safeguarding Human-Machine Interactions and Building Trust in Intelligent Systems by Prof. Diksha Shukla, Assistant Prof. University of Wyoming.

February 17, 2025: "New Research Directions in Vector Sector" by Dr. Kiran Shiragur, Microsoft Research

February 24, 2025: "The Case for Decentralized Schedulers in Modern Data Centres" by Dr. Smita Vijayakumar, University of Cambridge.

March 10, 2025: Towards Communication Optimal Byzantine Fault Tolerance by Mr. Anirudh Chandramouli, Reseach Scholar, Bar-Ilan University, Israel.

March 17, 2025: Advances in beam training for mmWave communication systems by Prof. Amrita Mishra, Asst. prof. IIIT-Bangalore.

March 24, 2025: Data Driven Multiobjective Optimization in Energy Systems and Analytics by Prof. Ashwin Kannan, Asst. prof. IIIT-Bangalore.

April 7, 2025: Physical Unclonable Functions for Securing Resource-Constrained Hardware Nodes in IoT by Prof. Kurian Polachan, IIIT-Bangalore

April 21, 2025: Decision Referrals in Human-Automation Teams: Impact of task load on team performance by Dr. Kesav Kaza, Research Fellow, University of Ottawa, Canada

April 28, 2025: Building Scalable Distributed Storage Systems: Theory vs. Practice byy Dr. Ajay Bakre, Professor of Practice, IIIT-Bangalore.

July 2, 2025: "What Drives Epidemics and Information Spread: Internal or External Factors?" by Prof. Sakthi Balan, Shiv Nadar University Chennai.

July 23, 2025: "High performance simulation data analysis and visualizations in resource-constrained environments" by Prof. Preeti Malakar, Assistant Professor in the Department of Computer Science and Engineering, Indian Institute of Technology Kanpur.

July 24, 2025: "From Formal Verification to Correctly Rounded Math Libraries" by Prof. Santosh Nagarakatte, Professor and Undergraduate Program Director of Computer Science at Rutgers University.

IIIT-B'S ACHIEVEMENTS

August 2024
IIIT-Bangalore Accorded 12B Status by UGC

IIIT-Bangalore was granted the esteemed 12B status by the University Grants Commission (UGC) under Section 12 of the UGC Act, 1956. This distinguished recognition stood as a testament to IIIT-Bangalore's commitment to academic excellence, innovative research and global standards.

The 12B status marked a significant milestone in IIIT-B's journey, signifying its entry into an elite group of institutions recognized for their academic excellence and research capabilities.

The 12B status will bring numerous benefits, including:

- Central funding for research and development initiatives, enabling IIIT-Bangalore to pursue cutting-edge research projects.
- Recognized degrees, enhancing career prospects for students and making them more employable to global employers.
- Academic autonomy to innovate and excel in curricula and pedagogy, allowing IIIT-Bangalore to stay ahead of the curve in technology and research.
- Research grants and faculty development opportunities, further strengthening IIIT-Bangalore's research capabilities.
- Scholarships for students and infrastructure development, providing a world-class learning environment.
- International collaborations and NAAC accreditation, paving the way for global partnerships and recognition.

September 24
IIIT-Bangalore received the International Green University Award 2024

IIIT-Bangalore has been selected for the highly esteemed International Green University Award 2024. This accolade recognizes IIIT-B's holistic approach to sustainable practices, aligning with UNESCO's Greening Education Partnership.

The International Green Mentors University Award 2024 honors educational institutions that demonstrate outstanding efforts in promoting environmental sustainability and instilling eco-conscious values in students. IIIT-B's initiatives, which have significantly contributed to reducing the institution's carbon footprint, noble sustainable efforts, and raising environmental awareness, were instrumental in securing this award.

The award was officially presented on September 24, 2024, at the 8th NYC Green School Conference, held on the sidelines of the 79th United Nations General Assembly and the Summit of the Future in New York. Mr. Jagdish Patil, Chief Administrative Officer (CAO) of IIIT-B, received the award on behalf of the institute. Mr. Dilip Chauhan Deputy Commissioner, NYC Mayor's Office for International Affairs, New York, USA, presented the award.

IIIT-Bangalore has been ranked 5th in India in the DataQuest Top 100 T-Schools Employability Index Survey 2024. This achievement highlights the collective efforts of our dedicated faculty, staff, placement cell, and all stakeholders. It is also a moment of pride to note that IIIT-B has secured 2nd place in the South Zone.

October 2024
IIIT-Bangalore and NIMHANS Collaborate to Deliver the Tele MANAS App for 24/7 Mental Health Support

World Mental Health Day was observed on October 10, 2024, with this year's theme as "It's Time to Prioritize Mental Health at the Workplace." On this day, the Union Health Ministry celebrated the success of the National Tele Mental Health Programme, Tele MANAS, which has completed two years of service and has handled more than 14.5 lakh calls. The Tele MANAS toll-free helpline, available at 14416 or 1-800-891-4416, offers multilingual support in 20 languages and has been instrumental in connecting individuals with mental health professionals.

At the commemoration event in New Delhi, Smt. Aradhana Patnaik, Additional Secretary of MoHFW & Managing Director of the National Health Mission (NHM) launched the Tele MANAS mobile app and the video call facility in Tele MANAS.

The International Institute of Information Technology Bangalore (IIIT-Bangalore) is proud of its role in the development of the Tele MANAS mobile app, designed to offer free and confidential 24/7 mental health support across India. Developed entirely in-house with content and guidance provided by the Tele MANAS Apex Centre at NIMHANS, the app is available on the Google Play Store, with an iOS version coming soon. Video consultations in Tele MANAS represent a significant upgrade to the existing audio calling service. The Report of Tele MANAS Rapid Assessment by the World Health Organizations (WHO) was also released at the event.

Congratulations to Vision Empower for its remarkable recognition at the 11th India CSR Summit with the Doing Good for Bharat Awards 2024 in New Delhi! Vision Empower, founded by our distinguished alumni Supriya Day and Vidhya Y, is making a significant impact on education and opportunities for the visually impaired. The initiative, incubated at our Innovation Centre, continues to inspire with its mission of inclusive empowerment.

This prestigious award was presented in the presence of Shri Dinesh Gundu Rao, Minister of Health & Family Welfare, Government of Karnataka

November

IIIT-B wins multiple awards at Bengaluru Tech Summit 2024

At the prestigious Bengaluru Tech Summit (BTS) 2024 IIIT-Bangalore was awarded the Best Exhibitor Award in the Content and Information category and the Ecosystem Enablers Award was presented to the Machine Intelligence and Robotics (MINRO) Centre for its outstanding contributions to the tech ecosystem. The awards were presented to a distinguished team from IIIT-B, including Prof. Debabrata Das, Director, Prof. Chandrashekar Ramanathan, Dean (Academics), and other esteemed members of the IIIT-B community. The IIIT-B pavilion at BTS 2024 showcased cutting-edge tech solutions aimed at addressing critical global challenges. The institute highlighted its expertise in areas like machine intelligence, communication systems, and e-health research. A standout feature was the Machine Intelligence and Robotics Centre of Excellence (MINRO), which presented innovative work in healthcare, technology, and e-governance. IIIT-B's COMET Foundation also demonstrated its work in wireless communication systems.

July 2025

IIIT-B Won Gold Award at the ELCITA Sustainability Awards

IIIT-Bangalore has long been known for its strong commitment to sustainable living, a value deeply embedded in its ethos. This year, IIIT-Bangalore has been honoured with the ELCITA Sustainability Awards 2024–25 in the following categories:

· Gold Award for Outstanding Sustainability Initiatives
· Excellence Award in Biodiversity Management
· Excellence Award in Social Welfare & Community Services

The awards were presented on July 17, 2025. Prof. Debabrata Das, Director, IIIT-Bangalore; Mr. Jagadish Patil, Chief Administrative Officer; and Mr. Biswa Bhusan Dhal, Facility Coordinator & Store Keeper, received the awards on behalf of the institute.

FACULTY ACHIEVEMENTS

July 2024

Prof. Meenakshi D'Souza was elected as the President of the ACM India Council for the term from July 1, 2024, to June 30, 2026. She had actively contributed to the ACM India Council since 2018 and previously served as the Secretary cum Treasurer from July 2022 to June 2024.

Prof. Jaya Sreevalsan Nair became an associate editor for the Journal of the Indian Society of Remote Sensing (JISRS) in July 2024.

September 2024

Prof. Tulika Saha's research on Mental Health, specifically the paper, "A Shoulder to Cry On: Towards a Motivational Virtual Assistant for Assuaging Mental Agony" was felicitated at the Nasscom AI confluence with the "Nasscom AI Gamechanger Award 2023-24". This paper was accepted at NAACL-2022.

Prof. Madhav Rao, Associate Professor and HoD (ECE), has been conferred the Prof. Satish Dhawan Young Engineers State Award in the field of Engineering Sciences for the year 2023. The award is instituted by the Government of Karnataka.

Karnataka Chief Minister Shri Siddaramaiah presented Prof. Madhav Rao with this award at a ceremony held on September 26, 2024, at the J.N. Tata Auditorium, Indian Institute of Science Campus, Bengaluru.

Prof. Debabrata Das, Director of IIIT-Bangalore received the 'Educational Leadership Award' at ISBR's Founder's Day celebrations! This award reflects not only his visionary leadership but also the countless lives he has inspired and the lasting impact he has made in the world of education.

October 2024

Prof. Jaya Sreevalsan Nair has been appointed as a Senior Associate Editor for the IEEE Transactions on Circuits and Systems for Video Technology (TCSVT). She is currently serving as an Associate Associate Editor and will begin her 2-year term as Senior Associate Editor in January 2025. This invitation recognizes her dedicated service as Associate Editor for the past 4 years.

Prof. Preeti Mudliar received a $20,000 unrestricted gift from Google Research as part of its Artists and Machine Intelligence program.

Her proposal, titled "Machine Words, Synthetic Art: Practices and Tensions with AI Visual Art in India," aims to explore the creative and ethical conversations around AI tools in visual art, assess the awareness and anxieties toward AI art in traditional artisan communities, and document public perceptions of AI-generated visual art.

November 2024

Prof. Meenakshi D'Souza, HoD, Computer Science and Engineering, IIIT-Bangalore received the prestigious Outstanding Contribution to Computing Education (OCCE) Award 2024 from ACM India.

December 2024

Our esteemed Director, Prof. Debabrata Das, was conferred the Distinguished Alumnus 2024 Award by the Odisha University of Technology and Research.

This prestigious accolade recognizes Prof. Das's outstanding contributions to academia and technology.

January 2025

Prof. Debabrata Das, Director of IIIT-Bangalore, recently delivered a compelling presentation at the Citizens Stacks Conference held at the United Nations Headquarters in Geneva. He highlighted IIIT-Bangalore's significant contributions to the global evolution of Digital Public Infrastructure (DPI), showcasing the institute's commitment to driving innovation and technological excellence in this crucial field.

A key focus of his presentation was MOSIP (Modular Open Source Identity Platform), an initiative launched by IIIT-B in 2018, to assist governments in providing modular open source platform for digital identities. MOSIP has emerged as a transformative project in the realm of digital identity solutions.

His participation reinforced IIIT-Bangalore's commitment to shaping the future of inclusive and accessible digital ecosystems on an international platform.

February 2025

Congratulations to Prof. Raghuram Bharadwaj (Department of DSAI) for being awarded Prime Minister Early Career Research Grant by the Anusandhan National Research Foundation for his project titled "Adaptive Reinforcement Learning Algorithms for Efficient Transfer Learning.

May 2025

Congratulations to Prof. Dinesh Babu Jayagopi for being awarded the Indo-Italian Mobility Grant based on a proposal submitted under the Indo-Italian call by the Department of Science and Technology (DST). His proposal was one of only ten selected—an impressive achievement.

Prof. Dinesh will serve as Co-Principal Investigator (Co-PI) alongside Dr. Radoslaw Niewiadomski from the University of Genoa, Italy, who is the partner PI from the Italian side.

Prof. Jaya Sreevalsan Nair has been awarded the Best Associate Editor Award (2024) by the IEEE Transactions on Circuits and Systems for Video Technology (TCSVT).

She served as the Associate Editor at TCSVT for two consecutive terms during 2021-24 and this is her second time receiving the honour, with the first in 2021. She is currently serving as a Senior Associate Editor there. Congratulations on this continued recognition of her editorial leadership and contributions to the research community!

July 2025

Prof. Debabrata Das, Director of IIIT-Bangalore, has been honoured with the Distinguished Alumnus Award 2025 by IIT Kharagpur!

The award was presented during the institute's 71st Convocation. The award was presented by Prof. Suman Chakraborty, Director of IIT Kharagpur, Dr. S. Somanath, Former Chairman of ISRO and Dr. Anand Deshpande, Founder, Chairman and Managing Director of Persistent Systems.

GUEST VISITORS

August 26, 2024

Mr. Preet Yadav, Head of the India Innovation Ecosystem at NXP India Pvt. Ltd., visited IIIT-Bangalore. During his visit, he engaged in substantial discussions with faculty members to explore potential collaboration between NXP and IIIT-Bangalore in areas such as semiconductor technology, IoT and innovative product development.

August 27, 2024

IIIT-Bangalore hosted a familiarization visit for a group of journalists from 28 countries, providing them with an in-depth overview of the institute's cutting-edge research, academic excellence and contributions to the technology sector. The visit aimed to showcase IIIT-Bangalore's role as a leading institution in the field of Information Technology and its commitment in encouraging innovation, education and industry collaboration. The visit highlighted the IIIT-B's global standing and enhanced its visibility across global platforms and deepened relationships with key international media partners.

November 11, 2024

IIIT-B held a meeting with TESCO to explore potential areas of future collaboration and partnership.

November 19, 2024

Delegation from Denmark visited IIIT-Bangalore.

November 21, 2024

European delegation visited IIIT-B campus.

December 3, 2024

Dignitaries from Rubu'Qarn Science and Technology, United Arab Emirates, visited IIIT-B campus.

January 15, 2025

IIIT-Bangalore hosted a delegation of 15 multidisciplinary graduate students, faculty, and staff from New York University (NYU) during their field trip to Bengaluru. The visit focused on understanding India's approach to challenges in IT and AI. The day featured a collaborative design thinking workshop with IIIT-B students, followed by a guided tour of key research centers including MOSIP, EHRC, COMET Foundation, and Vision Empower. Engaging discussions with faculty and researchers offered the NYU team valuable insights into India's evolving tech landscape and IIIT-B's role in driving innovation.

The visit focused on understanding India's strategic approach to current challenges in Information Technology (IT) and Artificial Intelligence (AI) . The delegation participated in a collaborative design thinking workshop with IIIT-B students, fostering creative problem-solving and cross-cultural exchange. This was followed by a guided tour of leading research centers including MOSIP, EHRC, COMET Foundation and Vision Empower, offering a first-hand look at ongoing projects and technological advancements. In-depth discussions with faculty members and researchers further enriched the NYU team, providing valuable insights into India's rapidly evolving tech landscape and IIIT-B's role in driving innovation.

January 17, 2025

Schneider Electric Delegation Explored Collaboration opportunities with IIIT-B

IIIT-B had the privilege of hosting a delegation from Schneider Electric, led by Mr. Marc Lafont, Vice President of Innovation & Upstream Marketing from the CTO Office, along with Ms. Rincy Rajan, General Manager (AI Innovation) at Schneider Electric. The visit aimed to explore potential collaborations within the industrial automation domain and discuss emerging technological trends.

January 24, 2025

Visit of Admiral G Rambabu, Principal Indian Naval Academy

IIIT-Bangalore had the honor of hosting Admiral G Rambabu, Principal, Indian Naval Academy. During his recent visit to the campus, he met with Prof. Debabrata Das, Director, IIIT-B, and Commodore Sridhar, Registrar, IIIT-B and engaged in comprehensive discussions focusing on the institute's academic programs, research landscape, and prospective avenues for collaboration.

Admiral Rambabu also visited IIIT-B's laboratories and Centres of Excellence (CoE) to gain in-depth insights into the institute's advance research initiatives and technological innovations.

February 18, 2025

Senior Officials from British Petroleum and Infosys visited IIIT-Bangalore.

February 27, 2025

Dr. Dame Wendy Hall, professor of Computer Science at University of Southampton, visited IIIT-B and Gooru labs.

March 4, 2025

IIIT-B welcomed a delegation from Japanese semiconductor companies for a collaborative exchange on talent skilling, industry partnerships, and technological advancements. The visit featured a presentation by IIIT-B, highlighting the Indian government's initiatives for semiconductor talent development, including fundamental research and manufacturing training. The delegation also gained insights into IIIT-B's VLSI circuit program and its successful industry collaborations with leading companies. As part of the visit, the delegates toured the CIET, COMET, and Robotics Labs, witnessing the institute's cutting-edge research and technological capabilities. The session concluded with a discussion on potential collaboration opportunities and emerging trends in the semiconductor sector.

March 4, 2025

Delegates from Toshiba visited IIIT-Bangalore.

March 18, 2025

A group of students and faculty members from the Bangalore Institute of Technology (BIT) recently visited IIIT-B to gain exposure to its AI and ML research labs. During the visit, they explored several state-of-the-art facilities, including the MINRO Labs, EHRC Lab, and the MOSIP Experience Centre, where they gained valuable insights into the cutting-edge research and innovations happening at IIIT-B.

March 26, 2025

Mexican Consulate in Mumbai and Mexican Agency for Digital Transformation for a series of technical sessions on the digitalisation of public services. As part of the ATDT initiative, the delegation explored India's journey with Digital Public Goods – discussing key themes like design, architecture, legal frameworks, and innovation processes.

April 28, 2025

Visit of Team Festo to IIIT-Bangalore.

May 23, 2025

IIIT-Bangalore recently welcomed a group of students from BMS College of Commerce and Management as part of an educational-cum-industrial tour aimed at fostering academic and industry exposure. During their visit, the students attended an informative session on IIIT-B, gaining insights into the Institute's academic programmes, research opportunities, and state-of-the-art infrastructure. They also toured the Centers of Excellence and research labs, where they witnessed live demonstrations of cutting-edge projects and ongoing research initiatives.

June 3, 2025

A group of students from the Jyoti Nivas College visited IIIT-B as part of an educational tour, offering them a valuable insight into the world of advanced technology and innovation. During the visit, they explored the AI/ML and Robotics laboratories, where they observed cutting-edge research and technological advancements firsthand. The tour enriched their understanding of emerging tech fields and exposed them to the exciting research opportunities available at the IIIT-B.

June 23, 2025
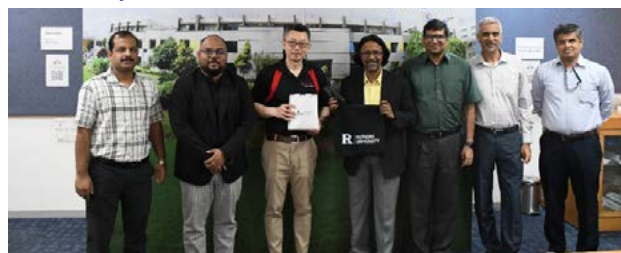
Dr. Hao Lin, Director, International Programs, Rutgers University, visited IIIT-Bangalore.

June 27, 2025

Delegation from NITI Aayog visited IIIT-Bangalore.

International Institute of Information Technology Bangalore

7

IIIT-B MoUs

RESEARCH

RIGOR

RELEVANCE

IIIT-B MoUs

July 18, 2024

MoU Between IIIT-Bangalore and IIIT Surat

An MoU was signed between IIIT-Bangalore and IIIT-Surat, marking the beginning of a partnership aimed at enhancing academic and research collaboration between the two esteemed institutions. This agreement facilitates the exchange of students for the Summer Research Internship Programme (SRIP), allowing students from both institutes to gain valuable research experience and exposure. Additionally, the MoU offers students the opportunity to enroll in a semester-long study program at each other's campuses, promoting cross-institutional learning and cultural exchange.

August 29, 2024

IIIT-Bangalore Signs MoU with GreenDzine Technologies

IIIT-Bangalore partnered with Greendzine Technologies Pvt. Ltd., a leader in electric mobility solutions. An MoU was signed for a research collaboration to develop and implement the cutting-edge Robotic Picker technology, a project under the aegis of MINRO, which is a CoE funded by the Government of Karnataka.

September 27, 2024

Memorandum of Understanding Between IIIT-B Innovation Centre and Sungkyunkwan University Startup Support Foundation

Innovation Centre at International Institute of Information Technology Bangalore (IIIT-B) and Sungkyunkwan University (SKKU) Startup Support Foundation signed a significant Memorandum of Understanding (MoU) on September 27, 2024, at the Natural Science Campus of SKKU in Suwon, Gyeonggi Province, South Korea.

This MoU is aimed at fostering collaboration and knowledge exchange to strengthen startup support between universities in India and South Korea. The primary objectives of this partnership include:

- Supporting startups from both institutions in exploring business opportunities in India and South Korea.
- Facilitating connections between startup-related institutions in both countries.
- Jointly organizing startup-related seminars, workshops, and networking events.

November 18, 2024
IIIT-B partners with Renesas

An MoU was signed between IIIT-Bangalore and Renesas, a leader in embedded semiconductor solution provider. This collaboration marks a step towards fostering meaningful partnership between industry and academia leading to increased innovation.

February 6, 2025
IIIT-B and Nokia Sign MoU to Strengthen Industry-Academia Collaboration

IIIT-B and Nokia inked a significant Memorandum of Understanding (MoU) to strengthen industry-academia relations, enhance experiential learning, and equip students with industry-relevant skills in emerging technologies.

The partnership is designed to foster stronger ties between academia and industry, with key objectives including:

- Advancing research in cutting-edge technologies to drive innovation and real-world solutions.

- Bridging the gap between industry and academia through collaborative projects.
- Providing students with industry exposure to prepare them for future technological advancements.
- Enhancing skill development through hands-on training and experiential learning.

This MoU marks a significant step towards strengthening industry-academia collaboration, ensuring that students are well-equipped to contribute to the rapidly evolving tech landscape.

February 18, 2025
IIIT-B Signs SoW with IAF- Software Development Institute

IIIT-Bangalore has signed a SoW with the Software Development Institute, Indian Air Force (SDI, IAF) for joint research, design, and development of waveform. Under this partnership, IIIT-B will serve as the technical institution, conducting cutting-edge research and development (R&D) in collaboration with SDI-IAF, which is sponsoring the project. IIIT-B will provide the necessary resources and support for certification, ensuring the project meets the highest standards of reliability and effectiveness.

March 12, 2025

IIIT-Bangalore welcomed delegates from Karmayogi Bharat for the signing of a Memorandum of Understanding (MoU) with the Centre for Open Societal Systems (COSS). The MoU, signed in the presence of distinguished leaders including Shri Adil Zainulbhai, Chairman, Capacity Building Commission, and Shri Pankaj Bansal, Board Member. This collaboration marks a significant step in fostering national and global collaboration in digital learning.

A key focus of the collaboration is the integration of AI-powered learning solutions to enhance public service delivery. Discussions highlighted:

- Personalized course recommendations for learners
- Dynamic learning journeys tailored to individual growth
- Intelligent data insights for competency-based development

By leveraging advanced digital tools, this partnership aims to strengthen continuous learning and upskilling transforming education and governance through technology.
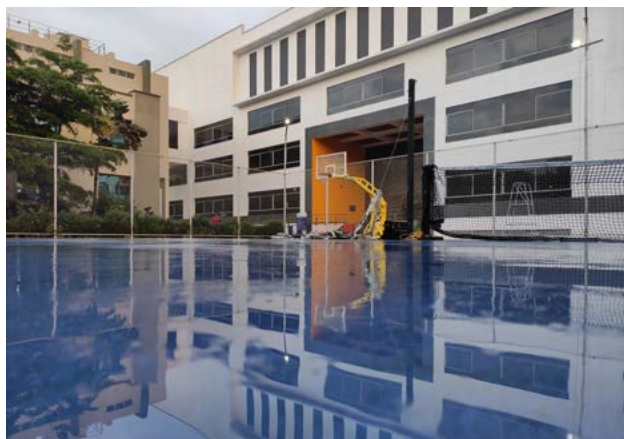
April, 2025

IIIT-Bangalore Signs Strategic MoU with NRDC

IIIT-Bangalore is pleased to announce the signing of a Memorandum of Understanding (MoU) between Professor Debabrata Das, Director, IIIT-Bangalore, and Commodore Amit Rastogi (Retd.), Chairman and Managing Director of the National Research and Development Corporation (NRDC). Held at IISc Bangalore, this MoU marks a strategic collaboration in the area of Translatable Research and Commercialization, aimed at bridging innovation and industry.

Additionally a panel discussion on Intellectual Property Rights (IPR) was held in which Dr. Lakshmi, CEO of the IIIT-Bangalore Innovation Centre, was a panelist. These engagements further reinforce the Institute's commitment to fostering innovation, research translation, and meaningful industry collaboration.

April 28, 2025

Inauguration of LG Soft Lab

The LG Soft India team lead by Mr. Sung Hyun Cho, President, LG Soft India visited IIIT-B campus. The LG Soft lab was inaugurated and MoU exchanged between IIIT-B and LG Soft, India.
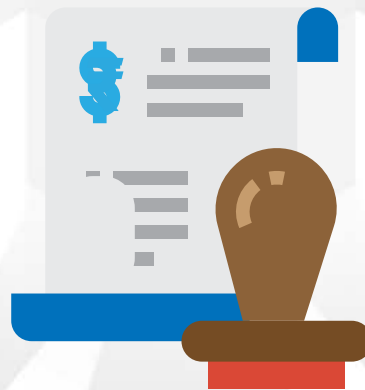
INCOME

Tuition Fees | Interest on Bank Deposits | Hostel and Facility Fees | Academic Activities
Other Receipts | Overheads on Sponsered Projects | MIIT Mentoring Income

1,89,22,58,742

1,95,51,23,013

EXPENDITURE
(before depreciation)

Faculty & Staff Expenses | Student Expenses | Academic Expenses
Infrastructure Expenses | Administrative & General Expenses
MIIT Project Expense

1,17,72,12,513

1,31,28, 77,205

SOURCE OF FUNDS

Capital Grants | Corpus Account | General Fund
Research Grants | Grants for Scholarship | Grants for Travel
Chair Professorship | Endowment funds
Designated/Earmarked Funds

4,82,04,94,464

3,48,78,76,036

APPLICATION OF FUNDS

Fixed Assets | Net Current Assets

4,82,04,94,464

3,48,78,76,036

(in INR)

International Institute of Information Technology - Bangalore
26/C, Electronics City, Hosur Road, Bangalore - 560 100
Balance Sheet as at 31st March 2025

(Amount in Rs.)

Particulars	Sch.No.	As at 31-03-2025	As at 31-03-2024
SOURCES OF FUNDS			
Unrestricted Funds:			
Capital Grants	A	53,37,00,000	28,37,00,000
Corpus Account	B	1,20,32,84,381	1,12,42,15,906
General Fund	C	2,28,10,87,617	1,71,07,45,280
		4,01,80,71,998	3,11,86,61,186
Restricted Funds:			
Research Grants	DA	70,99,39,338	29,43,71,122
Grants for Scholarship	DB	2,40,02,912	2,37,89,489
Grants for Training	DC	1,18,63,125	33,626
Chair Professorship	EA	2,05,16,501	2,30,50,798
Endowment funds	EB	37,08,114	37,74,323
Designated/Earmarked Funds	EC	3,23,92,476	2,41,95,492
		80,24,22,466	36,92,14,850
Total		4,82,04,94,464	3,48,78,76,036
APPLICATION OF FUNDS			
Property, Plant and Equipment:			
Property, Plant and Equipment	F	1,68,83,13,154	1,17,78,66,385
Current Assets, Loans & Advances:			
Advances & Receivables	G	8,28,09,684	9,31,00,909
Loans and Advances	H	1,67,26,676	1,07,31,465
Cash and cash equivalents	I	3,41,24,46,005	2,48,30,92,950
MIIT Project Current Assets	W1	-	1,01,49,077
		3,51,19,82,365	2,59,70,74,401
Less : Current Liabilities & Provisions:			
Current Liabilities	J	28,16,24,344	20,43,55,315
Provisions	K	9,81,76,711	8,27,09,435
		37,98,01,055	28,70,64,750
Net Current Assets		3,13,21,81,310	2,31,00,09,651
Total		4,82,04,94,464	3,48,78,76,036
Summary of significant accounting policies	X		

The accompanying notes are an integral part of the Financial Statements.

As per our report of even date

For Guru and Jana LLP

Chartered Accountants
ICAI Firm Registration No. 006826S/S000214

Heena Kauser A P
Partner
Membership No.: 219971
UDIN: 25219971BMMHLH1209

Place: Bangalore
Date: 06.08.2025

For International Institute of Information Technology Bangalore

Prof. Debabrata Das
Director

Place: Bangalore
Date: 06.08.2025

International Institute of Information Technology - Bangalore
26/C, Electronics City, Hosur Road, Bangalore - 560 100
Income and Expenditure Account for the year ended 31st March 2025

(Amount in Rs.)

Particulars	Sch.No.	For the year ended 31-03-2025	For the year ended 31-03-2024
INCOME			
Tuition Fees	L	1,41,06,61,212	1,51,62,43,229
Interest on Bank Deposits	M	14,54,54,470	14,70,94,829
Hostel and Facility Fees	N	7,39,94,097	7,71,62,294
Academic Activities	O	9,46,71,466	7,75,81,868
Other Receipts	P	8,84,09,022	7,51,03,806
Overheads on Sponsered Projects	Q	7,90,68,475	5,70,47,494
MIIT Mentoring Income	W2	-	48,89,493
Subtotal	**(I)**	**1,89,22,58,742**	**1,95,51,23,013**
EXPENDITURE			
Faculty & Staff Expenses	R	29,82,50,726	28,30,78,120
Academic Expenses	S	68,33,36,457	85,66,67,379
Student Expenses	T	2,18,20,643	1,85,97,374
Infrastructure Expenses	U	8,43,91,567	8,10,27,914
Administrative & General Expenses	V	8,92,73,697	7,19,06,119
MIIT Project Expense	W3	1,39,423	16,00,299
Subtotal	**(II)**	**1,17,72,12,513**	**1,31,28,77,205**
Excess of Income before depreciation & appropriation	III=(I-II)	71,50,46,229	64,22,45,808
Less: Depreciation	F	5,65,96,339	6,31,89,093
Excess of Income before appropriation	IV	65,84,49,890	57,90,56,715
Appropriation: Transferred to Corpus Fund		7,90,68,475	5,70,47,494
Appropriation: Student Benevolent Fund		90,39,078	84,74,118
Surplus/ (Deficit) for the year transferred to General Fund		57,03,42,337	51,35,35,103
Summary of significant accounting policies	X		

The accompanying notes are an integral part of the financial statements.

As per our report of even date

For Guru and Jana LLP

Chartered Accountants
ICAI Firm Registration No: 006926S/S000214

Heena Kauser A P
Partner
Membership No.: 219971
UDIN: 25219971BMMHLH1209

Place: Bangalore
Date: 06.08.2025

For International Institute of Information Technology Bangalore

Prof. Debabrata Das
Director

Place: Bangalore
Date: 06.08.2025

International Institute of Information Technology Bangalore

9
INFRASTRUCTURE

RESEARCH

RIGOR

RELEVANCE

INFRASTRUCTURE

Samsung Chip design studio launched

The Samsung chip design studio was launched at IIIT-Bangalore. The studio was inaugurated by Mr. Balajee Sowrirajan, EVP & MD, SSIR, alongside Prof. Debabrata Das, Director, IIIT-B, in the presence of esteemed faculty, industry experts, and students.

Inauguration of Accessible Resource Centre

An Accessible Resource Centre (ARC) was inaugurated at IIIT-B by Prof. Debabrata Das, Director, IIIT-B along with Mr. Jacob Peter, Senior Vice President, Bosch Global Software (BGSW) and Chairman of the Bosch CSR Steering Committee, Ms. Shilpa Deodhar, BGSW CSR Head, and Ms. Vidhya, Co-Founder, Vision Empower and IIIT-B alumna. This center will cater to the accessible educational needs of students with visual impairments in Grades K-10, with a particular emphasis on STEM subjects. Foundational skills for children with visual impairments in the pre-school age will also be a focal point. This initiative further aims to deploy various educational aids and assistive technologies, with research-based interventions for teachers and students too.

Upgradation of Badminton Courts

As part of efforts to enhance the existing badminton facilities, IIIT-Bangalore inaugurated newly upgraded courts equipped with modern synthetic mats.

Inauguration of extended space, Panini

We inaugurated our new extended physical space, Panini. Adjacent to our main campus, this facility includes classrooms, a study hall, and meeting rooms. The space was inaugurated by Prof. Debabrata Das, Director, IIIT-Bangalore, in the presence of the IIIT-Bangalore community.
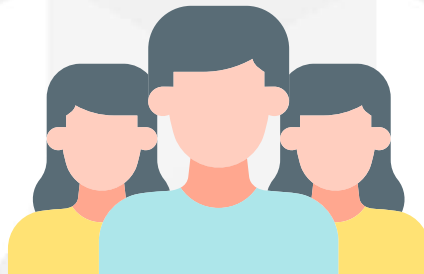
FACULTY MEMBERS

Prof Ahana Pradhan
Ph.D. (IIT Bombay)

Ajay Bakre
Ph.D. (Rutgers University, NJ)
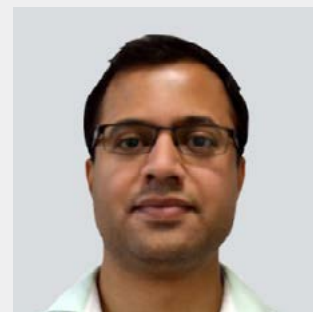
Prof Amit Chattopadhyay
Ph.D. (University of Groningen)

Prof Amit Prakash
FPM (IIM Bangalore)

Prof Ashish Choudhury
Ph.D. (IIT Madras)

Prof Amrita Mishra
Ph.D. (IIT Kanpur)

Prof Aswin Kannan
Ph.D. (IIT Madras)

Prof Badrinath Ramamurthy
Ph.D. (Rensselaer Polytechnic
Institute, NY USA)

Prof Balaji Parthasarathy
Ph.D. (University of California
Berkeley)

Prof Balakrishnan Ashok
Ph.D. (University of Massachusetts Amherst)

Prof Chandrashekar Ramanathan
Ph.D. (Mississippi State University)

Prof Debabrata Das
Ph.D. (IIT Kharagpur)

Prof Dinesh Babu Jayagopi
Ph.D. (École Polytechnique Fédérale de Lausanne)

Prof G Srinivasaraghavan
Ph.D. (IIT Kanpur)

Prof Jaya Sreevalsan Nair
Ph.D. (University of California Davis)

Prof Jyotsna Bapat
Ph.D. (Pennsylvania State University)

Prof Kurian Polachan
Ph.D. (IISc Bangalore)

Prof Madhav Rao
Ph.D. (University of Alabama)

Prof Manisha Kulkarni
Ph.D. (IMSc Chennai)

Prof Meenakshi D'Souza
Ph.D (IMSc Chennai)

Prof Pradeesha Ashok
Ph.D. (IISc Bangalore)

Prof Preeti Mudliar
Ph.D. (University of Texas at Austin)

Prof Prem Singh
Ph.D. (IIT Kanpur)

Prof Priyanka Das
Ph.D. (IISc Bangalore)

Prof Raghuram Bharadwaj
Ph.D. (IISc Bangalore)

Prof Sachit Rao
Ph.D. (Ohio State University)

Prof Sakshi Arora
Ph.D. (Stanford University)

Prof Sanghasri Mukhopadhyay
Ph.D (Université Grenoble Alphs, France & Université Savoie Mont Blanc, France)
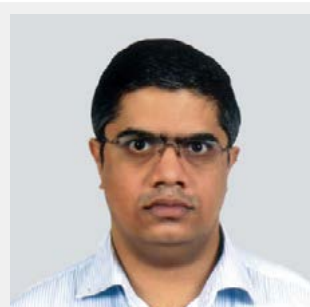
Prof Shiva Kumar Malapaka
Ph.D. (Universitat Bayreuth)

Prof Shrisha Rao
Ph.D. (University of Iowa)

Prof Srinath Srinivasa
Ph.D. (Brandenburg Technical University Cottbus)
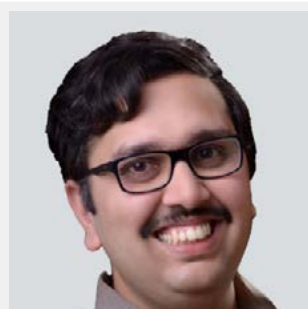
Prof Srinivas Vivek
Ph.D. (University of Luxembourg)

Prof Subir Kumar Roy
Ph.D. (IIT Bombay)

Prof Sujit Kumar Chakrabarti
Ph.D. (IISc Bangalore)

Prof Sushree Sangeeta Behera
Ph.D. (IIT Bhubaneswar)

Prof T K Srikanth
Ph.D. (Cornell University)

Prof Thangaraju B
Ph.D. (Bharathidasan University)

Prof Uttam Kumar
Ph.D. (IISc Bangalore)

Prof Tulika Saha
Ph. D. (Indian Institute of Technology Patna)

Prof V Ramasubramanian
Ph.D. (TIFR Bombay)

Prof V N Muralidhara
Ph.D. (IIT Delhi)

Prof V Sridhar
Ph.D. (University of Iowa)
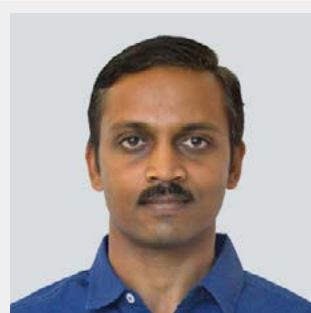
Prof Vinod Veera Reddy
Ph.D. (Nanyang Technological University Singapore)

Prof Vinu E Venugopal
Ph.D. (IIT Madras)

Prof Viswanath Gopalakrishnan
Ph.D. (Nanyang Technological University Singapore)

DOMAIN-WISE FACULTY MEMBERS

Computer Science Faculty

- 👉 Prof. Ahana Pradhan
- 👉 Prof. Ashish Choudhury
- 👉 Prof. Badrinath Ramamurthy
- 👉 Prof. Meenakshi D'souza
- 👉 Prof. Nagananda Yadati
- 👉 Prof. Pradeesha Ashok
- 👉 Prof. Raghuram Bharadwaj
- 👉 Prof. Saumya Shankar
- 👉 Prof. Shrisha Rao
- 👉 Prof. Sachit Rao
- 👉 Prof. Srinivas Vivek
- 👉 Prof. Thangaraju B
- 👉 Prof. V N Muralidhar
- 👉 Prof. Vivek Yadav

Networking, Communication & Signal Processing Faculty

- 👉 Prof. Amrita Mishra
- 👉 Prof. Debabrata Das
- 👉 Prof. Dinesh Babu Jayagopi
- 👉 Prof. Jyotsna Bapat
- 👉 Prof. Prem Singh
- 👉 Prof. Priyanka Das
- 👉 Prof. Sushree Sangeeta Behera
- 👉 Prof. V Subramanian
- 👉 Prof. Vinod Veera Reddy

Software Engineering Faculty

- 👉 Prof. Chandrashekar Ramanathan
- 👉 Prof. Meenakshi D'Souza
- 👉 Prof. Sujit Kumar Chakrabarti
- 👉 Prof. Thangaraju B
- 👉 Prof. Vivek Yadav

Data Sciences Faculty

- 👉 Prof. Chandrashekar Ramanathan
- 👉 Prof. Dinesh Babu Jayagopi
- 👉 Prof. Jaya Sreevalsan Nair
- 👉 Prof. Raghuram Bharadwaj
- 👉 Prof. Srinath Srinivasa
- 👉 Prof. Sushree Sangeeta Behera
- 👉 Prof. T K Srikanth
- 👉 Prof. Uttam Kumar
- 👉 Prof. V Subramanian
- 👉 Prof. Vaishnavi Gujjula
- 👉 Prof. Vinu E Gopal
- 👉 Prof. Viswanath Gopalakrishna
- 👉 Prof. Vivek Yadav

VLSI Systems Faculty

- 👉 Prof. Kurian Polachan
- 👉 Prof. Madhav Rao
- 👉 Prof. Sakshi Arora
- 👉 Prof. Subir Kumar Roy

Digital Society Faculty

- 👉 Prof. Amit Prakash
- 👉 Prof. Balaji Parthasarathy
- 👉 Prof. Preeti Mudliar
- 👉 Prof. S Rajagopalan
- 👉 Prof. V Sridhar

Mathematics & Basic Sciences Faculty

- 👉 Prof. Balakrakrishnan Ashok
- 👉 Prof. Manisha Kulkarni
- 👉 Prof. Sanghasri Mukhopadhyay
- 👉 Prof. Shiva Kumar Malpaka

KEY OFFICIALS

Prof Debabrata Das
Director, IIIT-B

Prof Chandrashekar Ramanathan
Professor & Dean (Academics)

Prof Shrisha Rao
Professor & Dean (Faculty)

Prof Srinath Srinivasa
Professor & Dean (R&D)

Prof Manisha Kulkarni
Professor, Dean (Student Affairs)

Cmde SR Sridhar (Retd)
Registrar, IIIT-B - Secretary to the Board and Outreach Head

J P Patil
Chief Administration Officer

S Piramanayagam
Chief Finance Officer

Prof S S Prabhu
Faculty Advisor

Prof Meenakshi D'Souza
Professor, Head of the Department of Computer Science and Engineering (CSE)

Prof Dinesh Babu Jayagopi
Professor, Head of the Department of Data Science and Artificial Intelligence, Faculty-in-charge Placement and Internship

Prof Madhav Rao
Professor, Head of the Department of Electronics and Communication Engineering (ECE)

Prof Amit Prakash
Professor and Head of the Department of Digital Humanities and Societal Systems (DHSS)

Prof Sachit Rao
Associate Professor, Faculty-in-charge Student Exchange

Sushree Sangeeta Behera
Assistant Professor, Associate Warden (Women's Hostel)

Prof Shiva Kumar Malapaka
Assistant Professor & Warden (Men's Hostel)

Prof Uttam Kumar
Associate Professor & Warden (Men's Hostel)

Prof Amrita Mishra
Assistant Professor & Associate Warden (Women's Hostel)

Prof T K Srikanth
Professor of Practice & Faculty-in-charge Computing

Prof V Sridhar
Professor & Faculty In-Charge, Continuing Professional Education, Institutional Finance
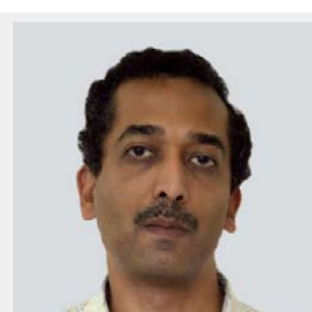
Prof Balakrishnan Ashok
Associate Professor & Faculty-in-charge Library & Coordinator (MS and Ph.D.)

Pradeesha Ashok
Associate Professor and
Controller of Examinations

Cynthia DMello
Staff Officer- Deans office

M K Durai Murugan
Senior Manager- IT & IS

Cdr JV Prasad (Retd.)
Executive Officer (R&D)

Dr Lakshmi Jagannathan
Chief Executive Officer,
Innovation Centre

Ramadevi S
Librarian and Manager -
Information Services

RESEARCH ADVISORY COMMITTEE (RAC) MEMBERS

Dr. P Satish Chandra

Prof P Balaram

Dr. Manohar Swaminathan

OMBUDSMAN

Dr. K. N. Balasubramanya Murthy, Vice Chancellor of Dayananda Sagar University, Bangalore, and Chairman, Board for IT Education Standards (BITES) took over as **Ombudsman** of IIIT-B on February 26, 2020.

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APPOINTMENTS & ADIEU
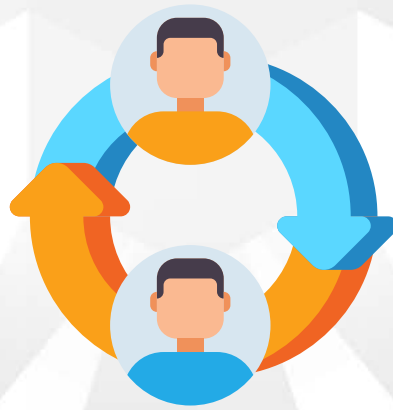
RESEARCH

RIGOR

RELEVANCE

WELCOME ON BOARD

Sl. No	Name	Designation	Date of Joining
1	Tulika Saha	Assistant Professor	October 1, 2024
2	Vishnu Gowda M N	Admin Associate	November 4, 2024
3	Rituparna Choudhury	Assistant Professor	December 9, 2024
4	Linit Vachali	Technical Assistant	December 23, 2024
5	Aswin Kannan	Assistant Professor	January 6, 2025
6	Sanghasri Mukhopadhyay	Assistant Professor	January 7, 2025
7	Jayachandra C M	Junior Placement Coordinator	January 8, 2025
8	Prajwal Dsouza	Assistant Accountant	January 13, 2025
9	Vikas K P	Facility Coordinator	April 1, 2025
10	Naganand Yadati	Assistant Professor	June 2, 2025
11	Sindhu Prashanth	Coordinator – Office of Dean (Faculty)	June 18, 2025
12	Poulami Chakraborti	Course Instructor	June 20, 2025
13	Saumya Sharnkar	Assistant Professor	July 1, 2025
14	Vaishnavi Gujjula	Assistant Professor	July 1, 2025
15	Ahana Pradhan	Assistant Professor	July 1, 2025
16	Chinar Mehta	Assistant Professor	July 14, 2025
17	Shilpa Naldurgkar	Assistant Registrar (Academics)	July 15, 2025

ADIEU

Sl. No	Name	Designation	Date of Joining	Date of Leaving
1	Janaki Srinivasan	Associate Professor	May 13, 2015	September 6, 2024
2	Vinutha Vidyasagar	Content Specialist	January 6, 2021	September 27, 2024
3	Manaswi Singha	Junior Placement Coordinator	January 10, 2024	October 30, 2024
4	Nanditha Rao	Assistant Professor	November 2, 2017	November 15, 2024
5	Priyanka Sharma	Faculty	December 1, 2023	December 31, 2024
6	Nivedhitha M	Assistant Accountant (CPE)	October 10, 2022	January 20, 2025
7	Satish Veeranan	Technical Lead (Software)	December 20, 2021	March 28, 2025
8	Pushpa G	Senior Accountant	October 4, 2010	May 30, 2025
9	Harshith Patil	Admin Associate (CPE)	January 2, 2023	May 30, 2025
10	Ananda Y R	Assistant Professor	June 3,2024	June 2, 2025
11	G Srinivasaraghavan	Professor	March 1, 2012	June 30, 2025
12	Sutanuka Adhya	Content Specialist	December 9, 2024	July 29, 2025
13	Preeti Mudliar	Assistant Professor	April, 01, 2016	July 31, 2025

RESEARCH PROJECTS

IIIT-B's research focus is to contribute to the IT world by focusing on education and research, entrepreneurship, and innovation. The research Centers at IIIT-B are multi-disciplinary with participation from several faculty members across different research domains. They could focus on a vertical, such as healthcare, or a horizontal, such as machine intelligence. These centers, run by faculty and driven by students and staff, have active collaborations with academia, government, and industry.

Sl. No	Sponsored	No of Projects
1	Central Government (SERB, DST)	15
2	Government Bodies (NIMHANS, ISRO)	18
3	International Organizations	29
4	Organizations/ Welfare Bodies	60
5	State Government	08

National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS)
Ministry of Science & Technology, Department of Science & Technology, Government of India

ADVANCED COMMUNICATION SYSTEMS   **Sponsor:** Ministry of Science and Technology, GoI

NMICPS - Centre spearheading the activities in the area of Advanced Communication Systems and other domains in the field of Information Technology

Duration: 5 yrs. Funds: Rs. 150 crores

IIITB COMET Foundation has made strong progress along its two main endeavors (picked up based on inputs from the Department of Telecom, DoT): 5G-Advanced Base Station - indigenously built massive MIMO 5G- Advanced base station leveraging Open-RAN Reconfigurable Intelligent Surfaces (RIS) to create smart radio environments -foundational for 6G.

Highlights of the Achievements

Commercializable technologies being developed:

1. 5G O-RAN Base Station
2. AI Co-designed 5G hardware and software: Network-in-a-box
3. Prototype for RIS-aided communication
4. Smart Radio Environment deployment for targeted use-cases

COMET Foundation: Startup

- Mantiswave Networks Pvt. Ltd. is a start-up spun-off from one of the COMET funded projects, which has come up with a portable plug-and-play Private 5G box (Mantis Private 5G Box). The company has been incubated at IIITB's Innovation Center and is supported actively by IIITB COMET Foundation.

- The Mantis Private 5G Box represents a revolutionary advancement in telecommunications, offering unparalleled security and reliability for businesses and organizations. Functioning as a dedicated network hub, it ensures exclusive and robust connectivity, safeguarding sensitive data from external threats. This compact yet powerful device empowers enterprises with customizable network management capabilities, optimizing performance and efficiency.

- In an era of heightened digital vulnerabilities, the Mantis Private 5G Box emerges as a beacon of innovation, reshaping the landscape of connectivity.

Patents

- Filed Application for Provisional Specification for the invention titled "IRS BASED RADAR SYSTEM AND METHOD THERE OF" with Application number 202441009587.

- Vishal Kaira and Prem Singh, "Systems and Methods for Improving Performance of HARQ Re-transmissions by Resolving Ambiguity Between a NACK and a DTX Feedback from User Equipment", US Patent, Status: Under process of filing.

CENTER FOR e-GOVERNANCE (CeG)

Principal Investigator:
Prof Ramanathan Chandrashekar

Sponsor:
Government of Karnataka

Duration: 5 years   **Funds : Rs. 9.68 crores**

Centre for Technology Research and Innovation for Digital Governance established – 2 September 2022

Key Purpose

- Research and Pilot projects on new ideas/ emerging software technologies and architecture principles

- Create SANDBOX / LAB driven approach to identify and validate use cases in different domain of government.

- Build Emerging technology skills and Capabilities for Software Engineering, Data Science, ML OPS, DevOps, Cloud and Networking to scale the CEG initiatives/ Programs.

- Standardisation of Application Development and Maintenance Life Cycles

- Design and Rollout Training Programs covering emerging technologies, Process reengineering and e-Governance Best Practices

E-HEALTH RESEARCH CENTRE (EHRC)

Duration: 5 years

Funds: Rs. 60 Crores

Objectives and project scope:

- Technology leadership and end-to-end ownership for the Tele MANAS technology platform
- Coordination with Ministry, NIMHANS, TAG and other stakeholders
- Solution and Architecture ownership, overall design and guidelines
- Development and maintenance of key software components
- Program and Vendor Management (IT Services and IVRS vendors)
- Technology roadmap for the platform

a) Tele MANAS project (Ministry of Health and Family Welfare)

- Programme announced in Union Budget 2022
- Project approved by Ministry (after SFC review): 22 July 2022
- First round of funds received (through NIMHANS): 17 September 2022.
- Second round in April 2023
- Formal launch of program with customized IVR solution: 10 October 2022
- National Common Toll Free Number 14416 & 1-800-891-4416
- Selected vendors:
  - IVRS solution (September 2022)
  - Software development services and Support (March 2023)
- Focus on robustness, scalability and security of platform, privacy of patient data

Operational Status

- 34 states/UTs with 52 operational Tele MANAS cells
- 1400+ counsellors trained and accounts enabled in IVRS system
- **24.75 Lakh+ calls (as of July 2025) – including incoming and outgoing**
- Ongoing analysis (weekly) of types of calls, demographics, complaints etc by state

b) Digital psychological Interventions for mental health care

- Duration: Started January 2022. Being extended until March '25
- Collaborators NIMHANS: Dr. Seema Mehrotra; MSR: Amit Sharma
- Sponsoring agency: MS Research and MS Philanthropies
- Funds sanctioned: Phase 1: Rs 8, 85, 000; Phase 2: Rs 22,00,000; Phase 1: Rs. 14,88,000

Status and Outcomes

The main development activities are completed.

- The app "MindNotes from NIMHANS" launched on Android Play Store about a year back
- Being updated based on user feedback, especially from a usability perspective
- iOS version under development/testing

Project Outcomes

- NIMHANS has conducted small user studies (study size = 85 and 63 respectively) to evaluate user perceptions and effectiveness of the app.
- Results were encouraging. NIMHANS continues outreach and other activities to popularize the application.
- Usage data being analysed to understand user behaviour and app effectiveness

c) Digital Screening Platform for Brain Health Initiative

- Duration: September 2022 for 1 year
- Collaborators: Dr. Suvarna Alladi & Dr. Ajay Asranna from NIMHANS
- Sponsoring agency: NIMHANS/GoK
- Funds sanctioned: Rs. 14L; Received: Rs. 9L

Project Overview

- Web and mobile-based applications for facilitating protocol-based screening of neurological disorders by General Physicians and Medical Officers in General Hospitals and Primary Health Centers
- Enabling easier coordination with specialists and effective program governance.
- Application tested in a pilot mode at NIMHANS and other hospitals
- Funding: Budgeted: 14L, received: 9L. Awaiting release of last instalment (5L)
- Project status: Pilot completed

Application summary

- Screening tool for 4 protocols (Epilepsy, Stroke, Headache and Dementia) as provided by NIMHANS
- Provision for Medical Officers at PHC's to record/ view history, view diagnosis and guidance based on questionnaire
- Specialist Doctors at Secondary/Tertiary Health Centers can view referred cases and history, and add consultation records
- Program level dashboard and reports with drill-down to clinic level

d) Conversational AI for mental aid

- Project Investigator: T K Srikanth
- Co-investigators: Madhav Rao; Seema Mehrotra, Vikas V (NIMHANS), Manjit Sodhi (IBM)
- Funds Sanctioned: Rs 14,68,794 (USD 20,000)
- Project Duration: 18 months from 2 Nov 2021
- Sponsoring Agency: IBM Global University Program
- Funds Category: FCRA

Project Objectives

- Develop a non-rule based Conversational AI system for mental aid that would indicate severity levels of Psychological distress through a self-care assessment
- Recommend actions for mild depression, low anxiety, and other low level of mental disorder persons. To be used in conjunction with other NIMHANS-IIITB initiatives such as Peer Support forum and PUSH-D

Project Status

- Multiple approaches have been tried to identify relevant datasets and AI models for analyzing them.
- Initial models have been developed using publicly available datasets (Reddit forum and CounselChat),
- Need content more specific to India.
- Have onboarded clinical psychologists to develop expert curated datasets and also provide fine-grained labelling

MACHINE INTELLIGENCE AND ROBOTICS (MINRO)

- AI based Cognitive Interview Assistance System for Administrative Services Interviews (KAS and IAS), Beneficiary Partner – India4IAS Academy
- Refreshable Braille Reader: Beneficiary Partner – Vision Empower
- Medical grade, open source, indigenous, low-cost ventilator: Beneficiary Partner – Timetooth Technologies

Machine Intelligence & Robotics – BTS 2024

- MINRO IIIT Bangalore received "Ecosystem Enablers Award" at Bangalore Technology Summit (BTS) 2024.
- IIIT Bangalore won the "Best Exhibitor award" in the category of Content and Information in the BTS 2024.

Phase 1 - Research Highlights

- 18 research projects in the area of Policy Support System, multimodal language, machine learning, robotics, IoT, drones, assistive/rehabilitation technologies, urban mobility, medical signal analysis & smart governance were funded
- 7 number of Research publications in eminent journals and paper presentations in leading conferences
- Beneficiaries of the research funding included Faculty -15, PhD Students - 7, MS Students-11, MTech Students - 17, UG Internships 11, Research Scholars 2. Total beneficiaries –63

Outreach and Capacity Building

- Knowledge dissemination activities - Summer Internship, Workshops, K-VLSI PG Diploma Course, 2 Day Tutorials, 3 month-AI skilling Course, 3 month AI-Immersion Course (ongoing)
- MINRO Experience Center hosted several dignitaries including the Karnataka State Minister for and officials from the State and Central Governments, Representatives and visitors from other countries, Industry partners and student delegations

Startup Activities

- Acceleration Program: 1 program completed for Health Care;1 program is ongoing for Industry 4.0
- Workshops: Healthcare 4 completed. Planned 2 workshops for Industry 4.0 – will complete before March 2025
- Incubate: 11 incubations done and 8 more planned in Industry 4.0 program
- Investor Connect Program:1 completed in Healthcare and 1 proposed for Industry 4.0

Solutions built in collaboration with Startups

- AI based Cognitive Interview Assistance System for Administrative Services Interviews (KAS and IAS), Beneficiary Partner – India4IAS Academy
- Refreshable Braille Reader, Beneficiary Partner – Vision Empower
- Exoskeleton (Assistive robotics) for neuro rehabilitation, Beneficiary Partner – Bionic Yantra, Research Partner – NIMHANS

Phase 2 – Capacity Building : K-VLSI Program

- Objective - To provide added impetus to growth and talent availability in the VLSI Design sector in Karnataka and attract semiconductor companies to establish operations in the state.
- Goal: Skill enhancement for "First-Day-First-Hour" readiness for the VLSI Design Industry.
- Curriculum: Validated by Industry and IIIT-B Partners- KDEM, IESA, SFAL, and Industry Partners
- Outcome: Industry-ready candidates with "First-Day-First-Hour" productivity

Targeted Beneficiaries

Cohort 1 (Pilot)	Year 1 (2023 – 2024)	60
Cohort 2	Year 2 (2024 – 2025)	100
Cohort 3	Year 3 (2025 – 2026)	100

Phase 2 – Research Focus

- Consolidation of research in Healthcare to deliver impact; dedicated research fund allocation
- Focus on few large high impact research projects
- Support foundational research
- Support to ongoing research projects for extension of scope

Principal Investigator:
Prof Rajagopalan

Sponsors:
Bill and Melinda gates Foundation, Tata Trust, Omidyar Network and Nordic Fund

Purpose:
To Build a Foundational Digital ID for Financial inclusion.

- Start Date: 27 August 2018.
- Early Adoptors: Morocco and Philipines.
- Project is recognised by many countries and implemented in Srilanka.

Highlights
- Completely open-source
- Global Digital Public Good

Use cases
- Foundational ID
- Functional ID

Collaborations with Professional Bodies
- IEEE
- Open Wallet Foundation (OWF)
- Open ID Connect (OIDC)
- GovStack
- G2P Connect

Research Collaborations
- Alan Turing Institute, UK
- Carnegie Mellon University, Africa
- Oregon State University, USA
- Aapti Insitute, Bangalore

121+ Million residents received digital IDs on MOSIP-based systems across 28 countries.

Total reach of **1.01+ Billion** residents worldwide.

CIET

CENTRE FOR INTERNET OF ETHICAL THINGS

Duration: 5 yrs.

Funds: Rs. 22.92 crores

Create Ethics framework in the application of Artificial Intelligence (AI) and Internet of Technologies (IoT) particularly in the field of agriculture, education, health, manufacturing, and smart cities

Ongoing Projects

- Combating Security and Privacy Breaches in IoT Systems
- Data Anonymization on knowledge Graphs
- IoT based Data sensing system for Autogrow
- EMG enhanced and IoT based 9DoF rehabilitation device (XoRehab) for upper and lower limb.
- White paper on Data and Ethics Privacy

PROJECT VICT

Principal Investigator:
Prof Amit Prakash

Sponsor:
Microsoft Research Lab India Pvt Ltd &
Microsoft Corporation (India) Private Limited

IIIT-B seeks to jointly implement the VICT Project with Microsoft, the proposal for which was submitted in partnership with Vision Empower (VE), a not-for-profit enterprise incubating in the IIIT-B Innovation Centre, aimed at empowering visually impaired students of K-12 grades by digitally skilling them, and redefining and updating the Computational Thinking curriculum/course in India, and empowering visually impaired students to access the corresponding modified accessible content identified for the curriculum.

Project Activities

- Design and implementation of user experience for students (young children, first time users of tech) and teachers (many of them vision impaired) to access the end devices and to effectively utilize the content for their learning and empowerment
- Tools to enable teachers to create content both in audio recording & Digital book format
- Apps like IVR, e-book reader, online-meetings, and CT games

Progress

- The pilot has been conducted with 29 children in 5 schools spread across Karnataka
- A total of 130 sessions (moderated by an instructor) have been conducted for them spanning a duration of 97 hours
- An enjoyable interactive content database has been created, using age-appropriate learning requirements and integrating them with stories, games, quizzes

CENTRE FOR OPEN DATA RESEARCH (CODR)

Principal Investigator:

Prof Srinath Srinivasa

Sponsor:

Government of Karnataka

Duration : 5 yrs Funds : Rs. 6.96 crores

The Centre for Open-Data Research is aimed at promoting open-data utilisation through data science research outputs, tools and techniques with an objective to apply the results towards progressing human development or enhancing customer consumption experience. Open-Data is defined as data that is freely available for access, reuse, redistribution for everyone without any restrictions

IIIT-Bangalore is spearheading the design, development, implementation, and deployment of the Proof-of-Concept (PoC) of a data-driven, analytics-enabled Policy Support System (PSS), named Karnataka Data Lake for evaluation by the Department of Planning, Programme Monitoring and Statistics (DPPMS), Government of Karnataka (GoK). Recently, it became part of the GoK DSS website Avalokana: https://avalokana.karnataka.gov.in/DataLake/DataLake

UN Sustainable Development Goals

Sustainable Development Goals (2015) replace the Millennium Development Goals (2000 - 2015) UN adopted 17 SDGs with 169 targets and 232 unique indicators.

Conclusions and Future Work

- The Policy Support System intends to aid policymakers in understanding different spheres of sustainable development goals, its targets and indicators
- The SDG targets have common concerns across domains hence undeniably these elements play a significant role affecting multiple terrains
- The distinguishing feature of PSS is the ability of identify intervention impacts both within and beyond the models
- Expand models library at a more granular level
- Expand knowledge graph with all possible entities pertaining to governance of Karnataka districts and identify latent relations
- Build District-SDG tracking map
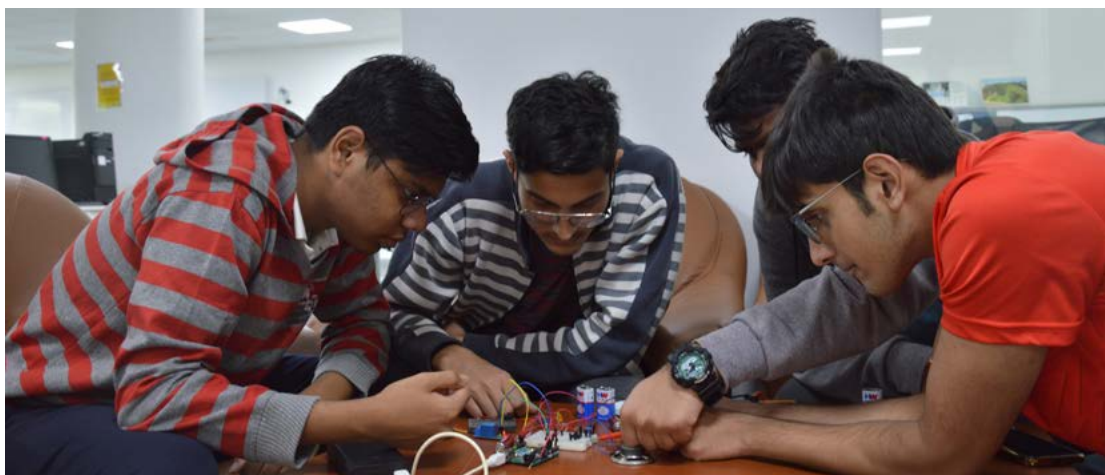
NEW MAJOR PROJECTS

Centre for Digital Public Infrastructure (CDPI)

CDPI was established to help catalyze countries' digitization journeys with high-impact DPI to drive inclusive, innovative, and competitive national growth. It provides pro bono technical architecture advisory to countries to design robust DPI in line with global safeguards and best practices. CDPI is a global team spread across South America, Asia, Africa, and Europe.

To date, CDPI has collaborated with 40+ countries with 12 of them actively co-creating DPI phase one implementations.

- **Starting Date: March 2023 | Duration: 2 years**
- **Sponsoring Agency: Mr.Nandan Nilekani Philanthropies on behalf of Codevelop**
- **Project Funds Sanctioned: 240.79 million INR**

Centre for Open Societal Systems (COSS)

COSS at IIIT-B in partnership with Ekstep, drives global societal transformation by facilitating countries to develop their Digital Public Infrastructure and crafting compelling narratives for the adoption of Digital Public Goods to create impact at scale.

Our Mission is to drive global societal transformation with Digital Public Infrastructure (DPI).

Purpose: We aim to improve the lives of 1 billion people globally by 2030 through adoption of Digital Public Goods (DPGs).

- **Starting Date: Macrh 2024 | Duration: 3 years**
- **Sponsoring Agency: EkStep Foundation**
- **Project Funds Sanctioned: (Total in Rupees, Millions) USD 5,000,000/ INR 41,73,35,000**

Open G2P (Open Government to Public)

OpenG2P is a Digital Public Good that enables governments and humanitarian organizations to deliver critical social benefits directly to those who need them.

OpenG2P Offers:

- Open-Source, Interoperable Solutions: Ready-to-deploy software building blocks that facilitate the efficient delivery of essential services, including disaster relief, social safety nets, and agricultural assistance.
- Support for Country Adoption: Resources and guidance to assist nations in effectively implementing the solutions.
- Capacity Building: Training to enhance local skills and knowledge across government, commercial ecosystem, and research institutions

- **Starting Date: October 2023 | Duration: 2 years**
- **Sponsoring Agency: Nandan Nilekani Philanthropies on behalf of Codevelop**
- **Project Funds Sanctioned: 166.50 (Total in Rupees, Millions)**

PUBLICATIONS

Books and Book chapters — Publications & Articles

Year	Books and Book chapters	Publications & Articles
2018	8	94
2019	8	135
2020	4	153
2021	13	193
2022	12	182
2023	48	191
2024	7	227
Upto April 2025	5	89

PATENTS

Patents Published — Patents Granted

Year	Patents Published	Patents Granted
2018	3	1
2019	5	2
2020	4	2
2021	4	1
2022	12	1
2023	8	1
2024	5	4
Upto April 2025	2	2

International Institute of Information Technology Bangalore

13
PUBLICATIONS

RESEARCH RIGOR RELEVANCE

CONFERENCE PUBLICATIONS

Pooja Bassin, Abraham G K and Srinath Srinivasa, "Design of a Data-driven Intervention Dashboard for SDG Localization," in Proc. 33rd International Joint Conference on Artificial Intelligence, Jeju, Korea, August 3-9, 2024, pp. 8606-8609. https://doi.org/10.24963/ijcai.2024/990.

Chaitanya C, Yogananda A Reddy, Haribabu Pasupuleti, Sasirekha GVK and Jyotsna Bapat, "Real-time Anomaly Detection at IoT-Edge Ingress Port using FPGA based ML Classifiers," in Proc. 16th International Conference on Contemporary Computing (IC3 2024), Noida India August 8 - 10, 2024, pp. 309-315. https://doi.org/10.1145/3675888.3676064.

Apurva Kulkarni, Srinath Srinivasa and Sanket Patil, "SDG Aligned Data Warehouse Implementation over Open Government Data," in Proc. 13th International Conference on Electronic Government and the Information Systems Perspective (EGOVIS 2024), Naples, Italy, August 26–28, 2024, pp. 154-167. https://doi.org/10.1007/978-3-031-68211-7_13.

Saketh Gajawada, Dantu Nandini Devi and Madhav Rao, "HAHMF: Heuristic-Augmented Asymmetric Heterogeneous Splitting for Hardware Efficient Multipliers Framework," in Proc. 2024 27th Euromicro Conference on Digital System Design (DSD), Paris, France, August 28-30, 2024, pp. 258-265. https://doi.org/10.1109/DSD64264.2024.00042.
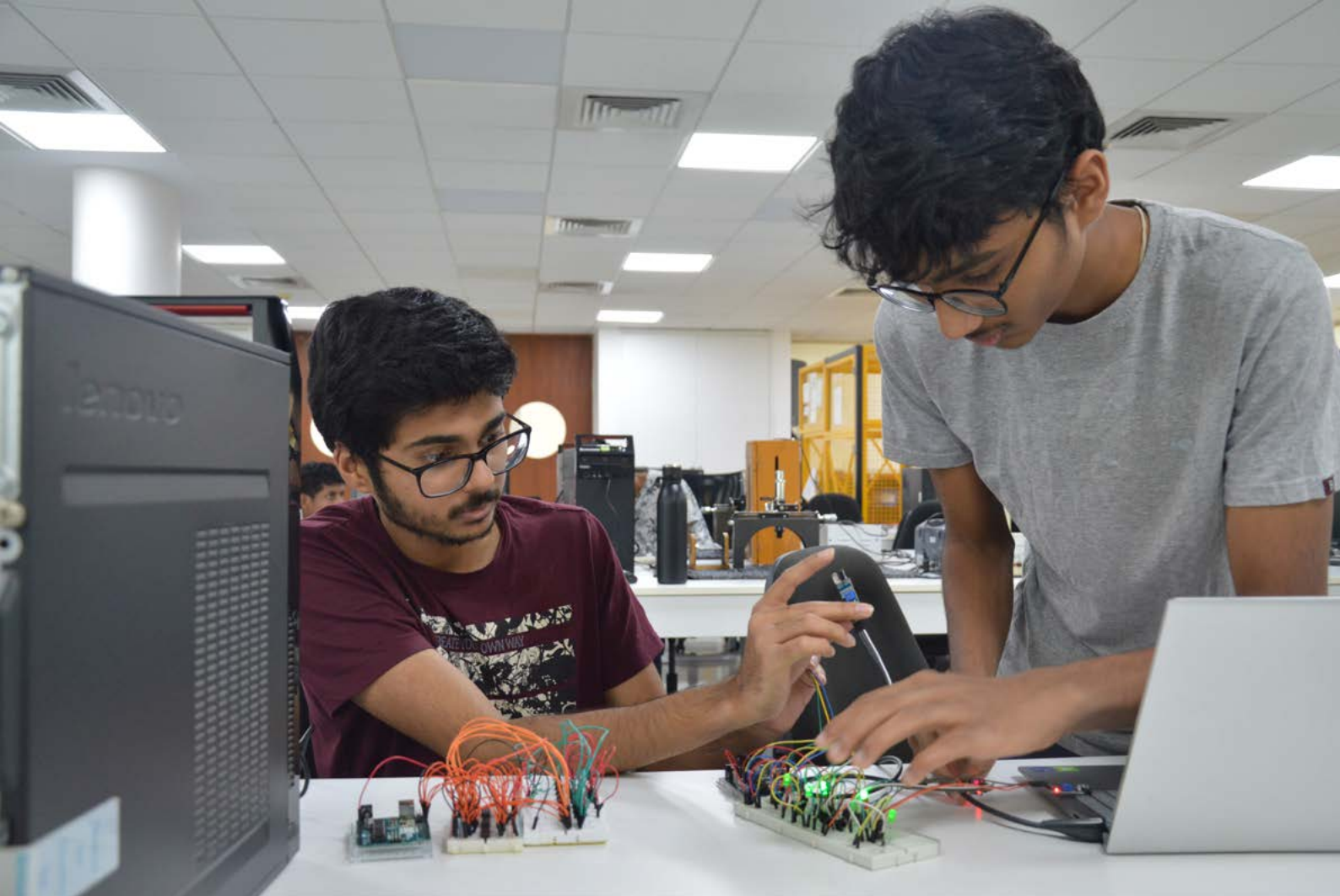
Kanish R, Omkar G Ratnaparkhi and Madhav Rao, "Precision and Power Efficient Piece-Wise-Linear Implementation of Transcendental Functions," in Proc. 2024 27th Euromicro Conference on Digital System Design (DSD), Paris, France, August 28-30, 2024, pp. 568-575. https://doi.org/10.1109/DSD64264.2024.00081.

Prashanth Jonna, Anshul Madurwar, Aamod BK and Madhav Rao, "Effective Limb Rehabilitation: A Cost-Efficient Holonomic Drive-Based Robotic System for Optimal Joint Mobilization," in Proc. 10th IEEE RAS/EMBS International Conference for Biomedical Robotics and Biomechatronics (BioRob), Heidelberg, Germany, September 1-4, 2024, pp. 1081-1087. https://doi.org/10.1109/BioRob60516.2024.10719796.

Stefan Abi-Karam, Rishov Sarkar, Allison Seigler, Sean Lowe, Zhigang Wei, Hanqiu Chen, Nanditha Rao, Lizy John, Aman Arora and Cong Hao, "HLSFactory: A Framework Empowering High-Level Synthesis Datasets for Machine Learning and Beyond," in Proc. ACM/IEEE International Symposium on Machine Learning for CAD (MLCAD ' 24), Utah, USA September 9 - 11, 2024, 8p. https://doi.org/10.1145/3670474.3685961.

Mahati Basavaraju, Omkar Girish Ratnaparkhi, Vinay Rayapati and Madhav Rao, "Clustering-Based-Approach for Hardware Implementation of Activation Functions," in Proc. 2024 IEEE 37th International System-on-Chip Conference (SOCC), Dresden, Germany, September 16-19. 2024, 6p. https://doi.org/10.1109/SOCC62300.2024.10737745.

Prashanth, H C and Madhav Rao, "Evaluating Deep Neural Network Performance on Edge Accelerators: A Roofline Model Adopted Benchmarking Approach," in Proc. 2024 IEEE 37th International System-on-Chip Conference (SOCC), Dresden, Germany, September 16-19. 2024, 6p. https://doi.org/10.1109/SOCC62300.2024.10737764.

Dhvani Katkoria, Jaya Sreevalsan-Nair, Mayank Sati and Sunil Karunakaran, "WBF-ODAL: Weighted Boxes Fusion for 3D Object Detection from Automotive LiDAR Point Clouds," in Proc. 2024 International Conference on Vehicular Technology and Transportation Systems (ICVTTS), Bangalore, India, September 27-28, 2024, pp,. https://doi.org/10.1109/ICVTTS62812.2024.10763933.

Sanjana T, Manish Reddy Koppula, Gousepeer Arella, Agrim Agarwal, Amrita Mishra and Jyotsna Bapat, "Improving Channel Estimation in IRS-Aided mmWave MIMO Systems via CNN and Sparse Bayesian Learning," in Proc. 2024 IEEE Region 10 Symposium (TENSYMP), New Delhi, India, September 27-29, 2024, 6p. https://doi.org/10.1109/TENSYMP61132.2024.10752257.

Shaik Mohammed Waseem, Imrose Batterywala, Subir K Roy and Sachit Rao, "FPGA Implementation and Analysis of Non-Linear Activation Functions for Implicit Neural Representations," in Proc. 2024 IEEE Region 10 Symposium (TENSYMP), New Delhi, India, September 27-29, 2024, 7p. https://doi.org/10.1109/TENSYMP61132.2024.10752188.

Priyanka Ghosh, Sayanti Ghosh, Sanjay Dhar Roy and Sumit Kundu, "Outage Analysis of an IRS Assisted Two Users NOMA with Energy Harvesting Relay Selection," in Proc. 2024 IEEE Region 10 Symposium (TENSYMP), New Delhi, India, September 27-29, 2024, 7p. https://doi.org/10.1109/TENSYMP61132.2024.10752282.

Deepa Austin, Shruchi Singh, Amit Prakash, Vinay Reddy Venumuddala and Swati Ganeshan, "Mapping Accountability in Human-AI Partnerships in Healthcare: Towards a Patient-centric approach," in Proc. IEEE 12th Region 10 Humanitarian Technology Conference (R10-HTC), Kaula Lumpur, Malaysia, October 1-3, 2024, pp. 1-8. https://doi.org/10.1109/R10-HTC59322.2024.10778921.

Renju C Nair, Ashish Gatreddi, Madhav Rao and Muralidhara V N, "Visual Perception Transformer: Robust image understanding on unseen transformations across wide-ranging dataset sizes," in Proc. The 4th International Conference on AI-ML Systems, Baton Rouge Louisiana USA October 8 - 11, 2024, 9p. https://doi.org/10.1145/3703412.3703419.

Milan Markovic, Somayajulu Sripada, Sujit Kumar Chakrabarti and Raghuram Bharadwaj Diddigi, "Towards LLM-driven Automated Verification of Best Practices in Digital Public Infrastructures," in Proc. SICSA REALLM Workshop, Aberdeen, UK, October 17, 2024, 5p. https://aura.abdn.ac.uk/bitstream/handle/2164/24417/Markovic_etal_SICSA_Towards_LLM_Driven_AAM.pdf?sequence=1.

B Sathiya Naraayanan, Haribabu Pasupuleti, Sasirekha GVK, Jyotsna Bapat and Debabrata Das, "Privacy Enhanced PYNQ-Z2 based IoT Edge: NTT Performance Analysis," in Proc. International Conference on Advanced Technologies for Communications (ATC)79., Ho Chi Minh City, Vietnam, October 17-19, 2024, pp. 299-304. https://doi.org/10.1109/ATC63255.2024.10908179.

Naren Raguraman and Ashutosh Bhardwaj, "Spatial Analysis of Land Use Land Cover Dynamics in the Madurai District Using Sentinel-2 Data and Supervised Learning Algorithms," in Proc. ISPRS TC IV Mid-term Symposium "Spatial Information to Empower the Metaverse", Perth, Australia, October 22-25, 2024, pp. 367-372. https://doi.org/10.5194/isprs-archives-XLVIII-4-2024-367-2024.

Prashanth Jonna, R Nitheezkant and Madhav Rao, "MagNeura: DNN Factored Magnetic Sensor Based Finger Tracking Wearable Design," in Proc. 2024 IEEE Biomedical Circuits and Systems Conference (BioCAS), Xian, China, October 24-26, 2024, 5p. https://doi.org/10.1109/BioCAS61083.2024.10798145.

Vedanta S P and Madhav Rao, "PsychSynth: Advancing Mental Health AI through Synthetic Data Generation and Curriculum Training," in Proc. 9th International Conference on Computer Science and Engineering (UBMK), Antalya, Turkiye, October 26-28, 2024, pp. 1-6. https://doi.org/10.1109/UBMK63289.2024.10773545.

Pandey Shourya Prasad, Sreyas Janarnanchi, Barath S Narayan and Madhav Rao, "SmartSniffer: Predicting Food Spoilage Time with an Electronic Nose-Based Gas Monitoring Apparatus Utilizing a Two-Stage Pipeline Model," in Proc. 9th International Conference on Computer Science and Engineering (UBMK), Antalya, Turkiye, October 26-28, 2024, pp. 506-511. https://doi.org/10.1109/UBMK63289.2024.10773415.

Divyansh Singhal, Sasi Snigdha Yadavalli, Nupur Patil, Siddharth Chauhan and Madhav Rao, "Multifunctional Smart Spoon for Parkinson's: Stability Enhancement and Diagnostic Tools," in Proc. 9th International Conference on Computer Science and Engineering (UBMK), Antalya, Turkiye, October 26-28, 2024, pp. pp. 608-612. https://doi.org/10.1109/UBMK63289.2024.10773399.

Indu Solomon, Aye Phy Phyu Aung, Uttam Kumar and Senthilnath Jayavelu, "U-Tell: Unsupervised Task Expert Lifelong Learning," in Proc. IEEE International Conference on Image Processing (ICIP), Abu Dhabi, United Arab Emirates, October 27-30, 2024. https://doi.org/10.1109/ICIP51287.2024.10647977.

Laxmi Gunupudi, Maryam Bandukda, Giulia Barbareschi, Tigmanshu Bhatnagar, Aanchal Singh, Satish Mishra, Amit Prakash and Catherine Holloway, "Scaffolding Digital Literacy Through Digital Skills Training for Disabled People in the Global South," in Proc. 26th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '24), Canada, October 27 - 30, 2024, 14p. https://doi.org/10.1145/3663548.3675666.

Trupal Patel, Aasmaan Gupta and Raghuram Diddigi, "Remember Your Best: Improving Exploitation in Deep Q-Network," in Proc. IEEE 36th International Conference on Tools with Artificial Intelligence (ICTAI), Virginia, USA, October 28-30, 2024, pp. 532-540. https://doi.org/10.1109/ICTAI62512.2024.00081.

Vijay Jaisankar and Jaya Sreevalsan-Nair, "SuP-SLiP: Subsampled Processing of Large-scale Static LIDAR Point Clouds," in Proc. The 32nd ACM International Conference on Advances in Geographic Information Systems (SIGSPATIAL '24), Atlanta, USA, October - November 1, 2024, pp. 40-47. https://doi.org/10.1145/3681769.3698585.

Samudrala Soujanya, K Arjun Menon, Prem Singh and Ekant Sharma, "Implementation of Channel Deinterleaver for 5G NR PUCCH Channel," in Proc. 2024 IEEE 29th Asia Pacific Conference on Communications (APCC), Bali, Indonesia, November 5-7, 2024, pp. 65-70. https://doi.org/10.1109/APCC62576.2024.10767907.

Goutham L and Prem Singh, "Throughput Efficient Dynamic Spectrum Sharing Between 4G-LTE and 5G-NR Using LTE CRS," in Proc. 2024 IEEE 29th Asia Pacific Conference on Communications (APCC), Bali, Indonesia, November 5-7, 2024, pp. 328-333. https://doi.org/10.1109/APCC62576.2024.10767996.

Kedar Deshpande, Manjit Singh Sodhi, Nidhi Raniyer and Madhav Rao, "A Time-Distributed CNN-LSTM with Attention Model for Speech Based Emotion Recognition," in Proc. 7th International Conference on Digital Medicine and Image Processing (DMIP'24), Osaka, Japan, November 8 - 11, 2024, pp. 67-71. https://doi.org/10.1145/3705927.3705939.

Pranav Reddy, Madamanchi Prudhvi, Pon Deepika, Vikas Vazhayil and Madhav Rao, "Deep Learning Assisted Anatomical Landmark Segmentation in Endoscopic Third Ventriculostomy Videos," in Proc. 7th International Conference on Digital Medicine and Image Processing (DMIP'24), Osaka, Japan, November 8 - 11, 2024, pp. 88-93. https://doi.org/10.1145/3705927.3705943.

Sarthak Harne, Monjoy Narayan Choudhury, Madhav Rao, TK Srikanth, Seema Mehrotra, Apoorva Vashisht, Aarushi Basu and Manjit Sodhi, "CASE: Efficient Curricular Data Pre-training for Building Assistive Psychology Expert Models," in Proc. The 2024 Conference on Empirical Methods in Natural Language Processing: Findings of the Association for Computational Linguistics (EMNLP 2024), Florida, USA, November 12-16, 2024, pp. 15769-15778. https://aclanthology.org/2024.findings-emnlp.925.

Sai Sampath, Anwit Damale, Sakshi Arora and Manikandan R.R., "Design and Automation Methodology of a Wideband, High-PSRR LDO Using Device Look-up Tables," in Proc. IEEE Design Methodologies Conference (DMC), Grenoble, France, November 18-20, 2024, 4p. https://doi.org/10.1109/DMC62632.2024.10812162.

Daksh Sharma, Saket Gurjar, Divyansh Singhal and Madhav Rao, "Adaptive Multi-Degree Cervical Rehabilitation Device," in Proc. 31st IEEE International Conference on Electronics, Circuits and Systems (ICECS), Nancy, France, November 18-20, 2024, 4p. https://doi.org/10.1109/ICECS61496.2024.10849347.

Tejas, B N and Madhav Rao, "FPGA Accelerated Beetle Antenna Search Derived Filter Design," in Proc. 31st IEEE International Conference on Electronics, Circuits and Systems (ICECS), Nancy, France, November 18-20, 2024, 4p. https://doi.org/10.1109/ICECS61496.2024.10848624.

Janvi Chhabra, Jayati Deshmukh, Arpitha Malavalli, Karthik Sama and Srinath Srinivasa, "Modelling the Dynamics of Identity and Fairness in Allocation Games," in Proc. 25th International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 202), Kyoto, Japan, November 18–24, 2024, pp. 58-73. https://doi.org/10.1007/978-3-031-77367-9_5.

Srinivasan M, Siddharth Kothari, Munagala Kalyan Ram, Sankalp Kothari and Raghuram Bharadwaj Diddigi, "Addressing Modality Mismatch in Real Estate Recommendation Using Image Captioning," in Proc. IEEE International Conference on Future Machine Learning and Data Science (FMLDS), Sydney, Australia, November 20-23, 2024, pp. 407-412. https://doi.org/10.1109/FMLDS63805.2024.00078.

Arjun Subhedar, Pranav Bhutada, Ansh Avi Khanna, Ritik Kumar Gupta and Raghuram Bharadwaj Diddigi, "Personalised Diet Recommendation System Using Bandits," in Proc. IEEE International Conference on Future Machine Learning and Data Science (FMLDS), Sydney, Australia, November 20-23, 2024, pp. 481-486. https://doi.org/10.1109/FMLDS63805.2024.00089.

Apurva Kulkarni, Ifrah Abdul Khadar Ramadurg, Srinath Srinivasa and Sanket Patil, "Introspecting Policy Documents Through Semantic Lenses of Sustainable Development Goals," in Proc. 12th International Conference on Big Data Analytics (BDA 2024), Aizu, Japan, November 26–28, 2024, pp. 95-105. https://doi.org/10.1007/978-3-031-86193-2_6.

Snigdha Agarwal and Neelam Sinha, "Self-supervised Siamese Network Using Vision Transformer for Depth Estimation in Endoscopic Surgeries," in Proc. 27th International Conference on Pattern Recognition (ICPR 2024), Kolkata, India, December 1-5, 2024, pp 332–344.
https://doi.org/10.1007/978-3-031-78198-8_22.

Soham Joshi, Aditay Tripathi, Viswanath Gopalakrishnan and Anirban Chakraborty, "Enhancing 3D Referential Grounding by Learning Coarse Spatial Relationships," in Proc. 27th International Conference on Pattern Recognition (ICPR 2024), Kolkata, India, December 1-5, 2024, pp 427-442. https://doi.org/10.1007/978-3-031-78113-1_28.

Pranshu Anand, Vishal Bharti and Anmol Srivastava, "Curtain UI: Augmenting Curtains for Tangible Interactions," in Proc. SIGGRAPH Asia 2024 Posters (SA Posters '24), Tokyo, Japan, December 3–6, 2024, https://doi.org/10.1145/3681756.3697935.

Naren Raguraman and Ashutosh Bhardwaj, "Evaluation of different filtering strategies for ICESat-2 ATL08 data for evaluation of DEMs for Madurai Region," in Proc. The 5th International Electronic Conference on Applied Sciences session Computing and Artificial Intelligence, December 4-6, 2024. https://sciforum.net/paper/view/20911.

Pradeesha Ashok, Gautam K. Das, Arti Pandey, Kaustav Paul and Subhabrata Paul, "(Independent) Roman Domination Parameterized by Distance to Cluster," in Proc. Combinatorial Optimization and Applications, 17th International Conference (COCOA 2024), Beijing, China, December 6–8, 2024, pp. 157-169. https://doi.org/10.1007/978-981-96-4448-3_13.

Rajarshi Das and Sachit Rao, "Temperature and Energy Optimization in GPUs: An Illustration," in Proc. Tenth Indian Control Conference (ICC), Bhopal, India, December 9-11, 2024, pp. pp. 421-426. https://doi.org/10.1109/ICC64753.2024.10883696.

Achintya Harsha, Prashanth Jonna, Nitheezkant R and Madhav Rao, "Biomimetic Convergence-Based High Resolution Depth Estimation," in Proc. 18th International Conference on Control, Automation, Robotics and Vision (ICARCV), Dubai, United Arab Emirates, December 12-15, 2024, pp. 679-683. https://doi.org/10.1109/ICARCV63323.2024.10821569.

Barath S Narayan, Sreyas Janamanchi, Achintya Harsha, Nitheezkant R, Prashanth Jonna and Madhav Rao, "EOG-Assist: Real-Time EOG-Based Eye Tracking for Assistive Systems," in Proc. 18th International Conference on Control, Automation, Robotics and Vision (ICARCV), Dubai, United Arab Emirates, December 12-15, 2024, pp. 795-800. https://doi.org/10.1109/ICARCV63323.2024.10821594.

Pranjal Agarwal, Shivansh Sethi, Viswanath Gopalakrishnan, Biplab Chandra Das and Shouvik Das, "On The Efficacy of Guidance Tasks in Panoptic Segmentation," in Proc. Indian Conference on Computer Vision Graphics and Image Processing (ICVGIP 2024), Bengaluru, Karnataka India December 13 - 15, 2024, 8p. https://doi.org/10.1145/3702250.3702256.

Vijay Jaishankar and Dinesh Babu Jayagopi, "Spectrogrand: Computational Creativity Driven Audiovisuals' Generation From Text Prompts," in Proc. Indian Conference on Computer Vision Graphics and Image Processing (ICVGIP 2024), Bengaluru, Karnataka India December 13 - 15, 2024, 10p. https://doi.org/10.1145/3702250.3702280.

Neeta Jha, Amrita Mishra, Jyotsna Bapat, Debabrata Das and Saptarshi Chaudhuri, "Optimizing Synchronization Signal Block Transmissions for Sum-Rate Maximization in Sub-Connected Hybrid Beamforming Systems," in Proc. IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Guwahati, India, December 15-18, 2024, 6p. https://doi.org/10.1109/ANTS63515.2024.10898630.

T. Sanjana, Amrita Mishra and Jyotsna Bapat, "Variational Bayesian Inference-based Robust Channel Estimation for IRS-assisted mmWave MIMO systems," in Proc. IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS), Guwahati, India, December 15-18, 2024, 6p. https://doi.org/10.1109/ANTS63515.2024.10898193.

Shyam Murthy, Santosh Kumar Upadhyaya and Srinivas Vivek, "Zone Recovery Attack on a Secure Privacy-Preserving Ride-Matching Protocol," in Proc. 20th International Conference on Information Systems Security (ICISS 2024), Jaipur, India, December 16–20, 2024, pp. 330-337. https://doi.org/10.1007/978-3-031-80020-7_19.

Karthik Sama, Janvi Chhabra, Arpitha Malavalli and Jayati Deshmukh, "Emerging Approaches Towards Responsible Autonomy," in Proc. 29th International Conference on Advanced Computing and Communications: Responsible AI (ADCOM 2024), Bengaluru, India, December 18-20, 2024, pp. 3-14. https://doi.org/10.1007/978-3-031-96473-2_1.

Pranjal Walia, Ishan Shanware, Karthikeyan Vaidyanathan, Dhiraj D. Kalamkar and Uma M. Natarajan, "LOSM: Leveraging OpenMP and Shared Memory for Accelerating Blocking MPI Allreduce," in Proc. IEEE 31st International Conference on High Performance Computing, Data and Analytics Workshop (HiPCW), Bangalore, India, December 18-21, 2024, pp. 123-124. https://doi.org/10.1109/HiPCW63042.2024.00039.

Apurva Kulkarni, Riya Patidar, Srinath Srinivasa and Sanket Patil, "Semantic SDG-Mapper: Browser Extension for Mapping Sustainable Development Goals to Open Webpages," in Proc. 8th International Conference on Data Science and Management of Data (12th ACM IKDD CODS and 30th COMAD), CODS-COMAD 2024, Jodhpur, India, December 18 - 21, 2024, pp. 381-385. https://doi.org/10.1145/3703323.3704269.

Sharath Srivatsa, Aparna M, Malavika V, Samarth P and Srinath Srinivasa, "Parichaya: Rural Colloquial Knowledge AI Interface," in Proc. 8th International Conference on Data Science and Management of Data (12th ACM IKDD CODS and 30th COMAD), Jodhpur, India, December 18 - 21, 2024, pp. 391-394. https://doi.org/10.1145/3703323.3704271.

Mohd Azfar, Siddhant Bharadwaj and Ashwin Sasikumar, "Improving Smooth GradCAM++ with Gradient Weighting Techniques," in Proc. IEEE 21st India Council International Conference (INDICON), Kharagpur, India, December 19-21, 2024, 5p. https://doi.org/10.1109/INDICON63790.2024.10958549.

Shaik Mohammed Waseem, Imrose Batterywala, Subir K Roy and Sachit Rao, "FPGA Based Hardware Accelerator for Training Implicit Neural Representations on Edge Devices," in Proc. 12th International Conference on Intelligent Systems and Embedded Design (ISED), Rourkela, India, December 20-22, 2024, 6p. https://doi.org/10.1109/ISED63599.2024.10957434.

Soumick Majumdar, Anshul Madurwar, Anmol Shetty and Kurian Polachan, "hbcLock: Encrypted RF Communication Utilizing Body-Coupled Keys for the Internet of Bodies," in Proc. 38th International Conference on VLSI Design and 2024 23rd International Conference on Embedded Systems (VLSID), Bangalore, India, January 4-8, 2025, pp. 55-60. https://doi.org/10.1109/VLSID64188.2025.00023.

Divyansh Singhal, Yash Gupta, Daksh Sharma, Chinmay Sultania and Madhav Rao, "HapticGuide: Interactive Wearable Braille Guide for Enhancing Visual Education," in Proc. 38th International Conference on VLSI Design and 2024 23rd International Conference on Embedded Systems (VLSID), Bangalore, India, January 4-8, 2025, pp. 73-78. https://doi.org/10.1109/VLSID64188.2025.00026.

Daksh Sharma, Vasanthi D R, Sanampudi Gopala Krishna Reddy and Madhav Rao, "NSGA-RM: NSGA-II Evolved Performance Optimized Non-Homogeneous Recursive Polynomial Multiplier Architectures," in Proc. 38th International Conference on VLSI Design and 2024 23rd International Conference on Embedded Systems (VLSID), Bangalore, India, January 4-8, 2025, pp. 121-126. https://doi.org/10.1109/VLSID64188.2025.00034.

Himanshu Rai, Aishwarya Sridhar, Wolfgang Ecker and Nanditha Rao, "FPUGen: A FrameWork to Generate Custom Floating Point FMA Accelerators on FPGAs," in Proc. 38th International Conference on VLSI Design and 2024 23rd International Conference on Embedded Systems (VLSID), Bangalore, India, January 4-8, 2025, pp. 225-230. https://doi.org/10.1109/VLSID64188.2025.00052.

Kushagra Singh, Kafil Abbas Momin, Anshul V Patil and Madhav Rao, "Advancing Rehabilitation Through Low Weight Hand Assistive System: Design and Impact Analysis," in Proc. 38th International Conference on VLSI Design and 2024 23rd International Conference on Embedded Systems (VLSID), Bangalore, India, January 4-8, 2025, pp. 231-236. https://doi.org/10.1109/VLSID64188.2025.00053.

Vinay Rayapati, Mahati Basavaraju and Madhav Rao, "Layer-Specific Hardware Pooling Designs for CNN Accelerators," in Proc. 38th International Conference on VLSI Design and 2024 23rd International Conference on Embedded Systems (VLSID), Bangalore, India, January 4-8, 2025, pp. 249-254. https://doi.org/10.1109/VLSID64188.2025.00056.

D V Bhargav, G Pradyumna and Madhav Rao, "Meta-Heuristic Optimization of Custom Heterogeneous Blocks Defined eFPGA Design," in Proc. 38th International Conference on VLSI Design and 2024 23rd International Conference on Embedded Systems (VLSID), Bangalore, India, January 4-8, 2025, pp. 326-331. https://doi.org/10.1109/VLSID64188.2025.00069.

Phani Pavan K, Jagan P, Kurian Polachan and Madhav Rao, "Murmur: A Secure and Low-Energy Audio Communication for the Internet of Bodies," in Proc. 17th International Conference on COMmunication Systems and NETworks (COMSNETS), Bangalore, India, January 6-10, 2025, pp. 217-224. https://doi.org/10.1109/COMSNETS63942.2025.10885638.

Kurian Polachan and Bijeet Basak, "PyBlkSim: An Open-Source Block-Based Discrete-Time Simulator," in Proc. 17th International Conference on COMmunication Systems and NETworks (COMSNETS), Bangalore, India, January 6-10, 2025, pp. 250-257. https://doi.org/10.1109/COMSNETS63942.2025.10885688.

Uma Maheswari Natarajan, Raghuram Bharadwaj Diddigi and Jyotsna Bapat, "RAG-inspired Intent-Based Solution for Intelligent Autonomous Networks," in Proc. 17th International Conference on COMmunication Systems and NETworks (COMSNETS), Bangalore, India, January 6-10, 2025, pp. 413-421. https://doi.org/10.1109/COMSNETS63942.2025.10885706.

Lakshmi Sai Niharika Vulchi, Pranathi Valipireddy, Mahati Basavaraju and Madhav Rao, "HyPPO: Hybrid Piece-wise Polynomial Approximation and Optimization for Hardware Efficient Designs," in Proc. 30th Asia and South Pacific Design Automation Conference (ASPDAC '25), Tokyo, Japan, January 20 - 23, 2025, pp. 230-236. https://doi.org/10.1145/3658617.3697713.

Yash Gupta, Yogesh Goyal and Madhav Rao, "CNN Based Sensory Seat-Belt Design for Posture Recognition and Heart Rate Monitoring," in Proc. IEEE/SICE International Symposium on System Integration (SII), Munich, Germany, January 21-24, 2025, pp. 49-53. https://doi.org/10.1109/SII59315.2025.10871127.

Pandey Shourya Prasad, Barath S Narayan and Madhav Rao, "PeCAR: Integrating Penalized Conditional Absolute Regularization Loss Function in ANN for Enhanced Food Spoilage Prediction Accuracy," in Proc. IEEE/SICE International Symposium on System Integration (SII), Munich, Germany, January 21-24, 2025, pp. pp. 357-361. https://doi.org/10.1109/SII59315.2025.10871024.

Anirban Mukherjee, Praneeth Susarla, Pravallika Katragunta, S. S. Krishna Chaitanya Bulusu, Olli Silven, Markku Juntti, Dinesh Babu Jayagopi and Miguel Bordallo Lopez, "Multi-domain CSI-based Indoor Localization with Deep Attention Networks for MIMO JCAS system," in Proc. IEEE 5th International Symposium on Joint Communications & Sensing (JC&S), Oulu, Finland, January 28-30, 2025, pp. 1-6. https://doi.org/10.1109/JCS64661.2025.10880643.

Pradeesha Ashok, Pradyun Devarakonda, Shiven Phogat, Swaroop A. Ram Rayala and J. A. Sherin, "Parameterized Complexity of Coupon Coloring of Graphs," in Proc. 11th International Conference Algorithms and Discrete Applied Mathematics (CALDAM 2025), Coimbatore, India, February 13–15, 2025, pp. https://doi.org/10.1007/978-3-031-83438-7_3.

Soham Pawar and Madhav Rao, "Coordinates Transformed Signal Compression Method (CoTSiC): A Novel Algorithm for Tele-Medicine Applications," in Proc. 18th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC 2025), Porto, Portugal, February 20-22, 2025, pp. 603-610. https://doi.org/10.5220/0013173200003911.

Vedant Mangrulkar and Madhav Rao, "Transfer-Modal Extraction of Surface EMG Features for Upper Limb Motor Classification," in Proc. 18th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC 2025), Porto, Portugal, February 20-22, 2025, pp. 721-728. https://doi.org/10.5220/0013157800003911.

Anuska Roy and V. Gopalakrishnan, "Weight Factorization Based Incremental Learning in Generalized Few Shot Segmentation," in Proc. 20th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISAPP), Porto, Portugal, February 26-28, 2025, pp. 556-562. https://doi.org/10.5220/0013187700003912.

Sahil Goyal, Abhinav Mahajan, Swasti Mishra, Prateksha Udhayanan, Tripti Shukla, K J Joseph and Balaji Vasan Srinivasn, "Design-O-Meter: Towards Evaluating and Refining Graphic Designs," in Proc. IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), Tuscon, USA, February 26, 2025 - March 06, 2025, pp. 5676-5686. https://doi.org/10.1109/WACV61041.2025.00554.

Amartya Roy Chowdhury, Raghuram Bharadwaj Diddigi, Prabuchandran K J and Achyut Mani Tripathi, "Bandit-based Attention Mechanism in Vision Transformers," in Proc. IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), Tuscon, USA, February 26, 2025 - March 06, 2025, pp. 9597-9606. https://doi.org/10.1109/WACV61041.2025.00929.

Rajavelsamy R, Aswin S, Ganesha S, Nivedya Parambath Sasi, Bharath Kumar R and Rohini Rajendran, "Performance Evaluation of Quantum Secure User Plane Traffic in Beyond 5G Systems," in Proc. National Conference on Communications (NCC), New Delhi, India, March 6-9. 2025, 6p. https://doi.org/10.1109/NCC63735.2025.10983296.

Manjunath Gonchigara Vemanna, Sharvari Ravindran, Jyotsna Bapat and Debabrata Das, "Adaptive Latency and Throughput Aware Multi-Access Scheduler for 5G Advanced and Beyond," in Proc. National Conference on Communications (NCC), New Delhi, India, March 6-9. 2025, 6p. https://doi.org/10.1109/NCC63735.2025.10983910.

Tamizhelakkiya K, Dibakar Das, Jyotsna Bapat, Debabrata Das ad Komal Sharma, "Novel Closed Loop Control Mechanism for Zero Touch Networks Using BiLSTM and Q-Learning," in Proc. National Conference on Communications (NCC), New Delhi, India, March 6-9. 2025, 6p. https://doi.org/10.1109/NCC63735.2025.10983630.

Dwikul Jyoti Das, Abhilash Ranjan, Ekant Sharma and Prem Singh, "Low Complexity Precoding for OTFS-aided Cell-Free mMIMO ISAC System," in Proc. IEEE Wireless Communications and Networking Conference (WCNC), Milan, Italy, March 24-27, 2025, 6p. https://doi.org/10.1109/WCNC61545.2025.10978339.

Kumar Murugesan, Muralidhara VN and Tirth Master, "Comprehensive Security Analysis and DoS Attack Mitigation in Thread Networks," in Proc. IEEE Wireless Communications and Networking Conference (WCNC), Milan, Italy, March 24-27, 2025, 6p. https://doi.org/10.1109/WCNC61545.2025.10978458.

Priyanka Das, Sayanti Ghosh, Sumukha Kashyap and Rimalapudi Sarvendranath, "Role of Interference-Outage Constraint and Binary Power Control for RIS-Assisted Spectrum Sharing," in Proc. IEEE Wireless Communications and Networking Conference (WCNC), Milan, Italy, March 24-27, 2025, 7p. https://doi.org/10.1109/WCNC61545.2025.10978797.

Lohini Priyanka B, Amrita Mishra and Priyanka Das, "Convolutional Neural Network-Based Channel Estimation for mmWave MIMO-OTFS Systems," in Proc. IEEE Wireless Communications and Networking Conference (WCNC), Milan, Italy, March 24-27, 2025, 6p. https://doi.org/10.1109/WCNC61545.2025.10978739.

Ishika Joshi, Simra Shahid, Shreeya Manasvi Venneti, Manushree Vasu, Yantao Zheng, Yunyao Li, Balaji Krishnamurthy and Gromit Yeuk-Yin Chan, "CoPrompter: User-Centric Evaluation of LLM Instruction Alignment for Improved Prompt Engineering," in Proc. 30th International Conference on Intelligent User Interfaces (IUI '25), Cagliari Italy March 24 - 27, 2025, pp. 341 - 365. https://doi.org/10.1145/3708359.3712102.

Arun Kumar Kalakanti and Shrisha Rao, "Dynamic Pricing for Electric Vehicle Charging," in Proc. 40th ACM/SIGAPP Symposium on Applied Computing (SAC'2025), Catania, Italy, March 31 - April 4, 2025, pp. 1609-1611. https://doi.org/10.1145/3672608.3707745.

Kushagra Singh, Kafil Momin, M. Nishal, Chinmay Sultania and Madhav Rao, "Agri-Guard: IoT-Based Network for Agricultural Health Monitoring with Fault Detection," in Proc. 10th International Conference on Internet of Things, Big Data and Security (IoTBDS), Porto, Portugal, April 6-8, 2025, pp. 223-230. https://doi.org/10.5220/0013209500003944.

Kanish R and Madhav Rao, "XORed Carry Chain Ring Oscillator Factored True Random Number Generator," in Proc. 26th International Symposium on Quality Electronic Design (ISQED), San Francisco, USA, April 23-25, 2025, pp. 25-31. https://doi.org/10.1109/ISQED65160.2025.11014412.

Pruthvi Parate, Alwin Shaju, Sanampudi Gopala Krishna Reddy, Vasanthi D R and Madhav Rao, "Non-Homogeneous Composite Karatsuba Multipliers Factored Hardware-Efficient ECDSA Generation and Verification Accelerator Units," in Proc. 26th International Symposium on Quality Electronic Design (ISQED), San Francisco, USA, April 23-25, 2025, pp. 32-38. https://doi.org/10.1109/ISQED65160.2025.11014399.

Pruthvi Parate, Alwin Shaju, Vasanthi D R and Madhav Rao, "Power and Area-Efficient ECC Processor with Sequential Recursive Polynomial Multiplier Implementation," in Proc. 26th International Symposium on Quality Electronic Design (ISQED), San Francisco, USA, April 23-25, 2025, pp. 137-143. https://doi.org/10.1109/ISQED65160.2025.11014314.

Bhargav D V, Dantu Nandini Devi, Rachana Kaparthi and Madhav Rao, "LibApprox: A Comprehensive Library for Performance Efficient Approximate Circuits," in Proc. 26th International Symposium on Quality Electronic Design (ISQED), San Francisco, USA, April 23-25, 2025, pp. 177-183. https://doi.org/10.1109/ISQED65160.2025.11014448.

Dantu Nandini Devi, Bindu G Gowda and Madhav Rao, "Meta-Heuristic Optimization for Designing Error Diluted Weight Stationary Approximate Systolic Array Architecture," in Proc. 26th International Symposium on Quality Electronic Design (ISQED), San Francisco, USA, April 23-25, 2025, pp. 184-191. https://doi.org/10.1109/ISQED65160.2025.11014368.

Dantu Nandini Devi, Saketh Gajawada and Madhav Rao, "Design of Hardware-Efficient Inexact Multiplier Using Evolutionary Algorithm Factored by Multi-Variate Approximation," in Proc. 26th International Symposium on Quality Electronic Design (ISQED), San Francisco, USA, April 23-25, 2025, pp. 192-198. https://doi.org/10.1109/ISQED65160.2025.11014432.

Aashish Tiwary, Saketh Gajawada, Jay Shah and Nanditha Rao, "LUTAccel: Look-up-Table based Vector Systolic Accelerator on FPGAs," in Proc. 26th International Symposium on Quality Electronic Design (ISQED), San Francisco, USA, April 23-25, 2025, pp. 348-354. https://doi.org/10.1109/ISQED65160.2025.11014348.

Priyanka Agarwal, Pruthvi Parate and Madhav Rao, "A Generalized Hardware-Efficient Gabor Wavelet Architecture for Medical Image Processing," in Proc. 26th International Symposium on Quality Electronic Design (ISQED), San Francisco, USA, April 23-25, 2025, pp. 691-697. https://doi.org/10.1109/ISQED65160.2025.11014452.

Kartik Joshi and Preeti Mudliar, "Reselling Practices in a Textile Bazaar: Translating E-Commerce Platforms to WhatsApp," in Proc. CHI Conference on Human Factors in Computing Systems (CHI EA '25), Yokohama Japan 26 April 2025- May 1, 2025, 18p. https://doi.org/10.1145/3706598.3713178.

Dilrukshi Gamage, Shiwei Cheng, Preeti Mudliar, Zhicong Lu, Shengdong Zhao, Nova Ahmed, Xiaojuan Ma, Uichin Lee and Ding Wang, "Bridging Gaps in HCI: Advancing Education, Research, and Careers in Asia," in Proc. CHI Conference on Human Factors in Computing Systems (CHI EA '25), Yokohama Japan 26 April 2025- May 1, 2025, 4p. https://doi.org/10.1145/3706599.3716298.

Aniket Mitra and Vinu E. Venugopal, "Stat-n-Ball: Enhancing Probabilistic Knowledge Graph Embeddings with Geometric and Confidence-Aware Models," in Proc. ACM on Web Conference 2025 (WWW '25: Companion), Sydney, Australia, April 28 - May 2, 2025, pp. 1194-1198. https://doi.org/10.1145/3701716.3715487.

Nikhil Pattisapu, Siva Rajesh Kasa, Sumegh Roychowdhury, Karan Gupta, Anish Bhanushali and Prasanna Srinivasa Murthy, "Leveraging Structural Information in Tree Ensembles for Table Representation Learning," in Proc. ACM on Web Conference 2025 (WWW '25: Companion), Sydney, Australia, April 28 - May 2, 2025, pp. 1244-1248. https://doi.org/10.1145/3701716.3715496.

Y. R. Ananda, Subhashis Das and Gaurav Trivedi, "Design of Area-Efficient Memristor-Based XOR and XNOR Gates," in Proc. 35th International Conference Radioelektronika (RADIOELEKTRONIKA), Czech Republic, May 12-14, 2025, pp. 1-6. https://doi.org/10.1109/RADIOELEKTRONIKA65656.2025.11008384.

Y. R. Ananda, "Two MOSFETs Based Inverse Memristor Emulator," in Proc. 35th International Conference Radioelektronika (RADIOELEKTRONIKA), Czech Republic, May 12-14, 2025, pp. 1-6. https://doi.org/10.1109/RADIOELEKTRONIKA65656.2025.11008415.

Prashanth Jonna and Madhav Rao, "HADAR Hand : 13-DoF Hybrid Actuation-based Dextrous Anthropomorphic Robotic Hand," in Proc. International Conference On Rehabilitation Robotics (ICORR), Chicago, USA, May 12-16, 2025, pp. 712-717. https://doi.org/10.1109/ICORR66766.2025.11062954.

Soumaditya Chaudhuri, Amrita Mishra and Jyotsna Bapat, "Multi-RIS-based Target Positioning in Passive Radars," in Proc. 6th International Conference on Control, Communication and Computing (ICCC), Thiruvanathapuram, India, May 23-25, 2025. https://doi.org/10.1109/ICCC64910.2025.11077301.

Vasanthi D R, Daksh Sharma, Sanampudi Gopala Krishna Reddy and Madhav Rao, "Design of Cascade and One-Shot Mixed-Mode Recursive Multipliers for GF(2N) Polynomials," in Proc. IEEE International Symposium on Circuits and Systems (ISCAS), London, United Kingdom, May 25-28, 2025, 5p. https://doi.org/10.1109/ISCAS56072.2025.11043771.

Lasya Punya Sree Gundumogula, Rachana Kaparthi, Himanshu Rai and Nanditha Rao, "FlexPE: Flexible Processing Elements for Workload Optimization and Acceleration on FPGAs," in Proc. IEEE International Symposium on Circuits and Systems (ISCAS), London, United Kingdom, May 25-28, 2025, 5p. https://doi.org/10.1109/ISCAS56072.2025.11043592.

Dantu Nandini Devi and Madhav Rao, "Precision-Factored Systolic Arrays: Balancing Accuracy and Efficiency in Floating-Point Computations for CNNs," in Proc. IEEE International Symposium on Circuits and Systems (ISCAS), London, United Kingdom,May 25-28, 2025, 5p. https://doi.org/10.1109/ISCAS56072.2025.11043892.

Phani Pavan K, Agastya Thoppur, Nitheezkant R and Madhav Rao, "Spike Decoders for Regressing Arm Angle for Autonomous Stroke Rehabilitation System," in Proc. IEEE International Symposium on Circuits and Systems (ISCAS), London, United Kingdom,May 25-28, 2025, 5p. https://doi.org/10.1109/ISCAS56072.2025.11043614.

Dilli Babu Porlapothula and Kurian Polachan, "CapPUF: A Tamper-Resistant PUF Utilizing I/O Capacitances for IoT Nodes," in Proc. IEEE International Symposium on Circuits and Systems (ISCAS), London, United Kingdom,May 25-28, 2025, 5p. https://doi.org/10.1109/ISCAS56072.2025.11043582.

Beryl Gnanaraj, Swetha Manivasagam and Jaya Sreevalsan-Nair, "To the Point: From Dynamic Heatmap Video to Gaze Points," in Proc. 2025 Symposium on Eye Tracking Research and Applications (ETRA '25), Tokyo Japan May 26 - 29, 2025, 9p. https://doi.org/10.1145/3715669.3725873.

Prachi Naik and Vinu E. Venugopal, "Balancing Privacy and Utility: Semantic Anonymization of Time-Aware Knowledge Graphs," in Proc. 22nd European Semantic Web Conference (ESWC 2025), Portoroz, Slovenia, June 1–5, 2025. https://doi.org/10.1007/978-3-031-94575-5_10.

Radhika Aggarwal, Pradeesha Ashok and Dhairya Gupta, "Burning Path-Like and Clique-Like Graphs," in Proc. 14th International Conference on Algorithms and Complexity (CIAC 2025), Rome, Italy, June 10–12, 2025, pp. 249-265. https://doi.org/10.1007/978-3-031-92935-9_16.

Biplab Das and Viswanath Gopalakrishnan, "Camouflage Anything: Learning to Hide using Controlled Out-painting and Representation Engineering," in Proc. IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2025), Tennesse, USA, June 11-15, 2025, pp. 3603-3613. https://doi.org/10.1109/CVPR52734.2025.00341

Jhelum Das, Vandana M. Ladwani and V. Ramasubramanian, "Clustering by Limit-Cycles in Hopfield Neural Network," in Proc. International Conference on Artificial Intelligence Applications and Innovations (AIAI 2025), Limassol, Cyprus, June 26–29, 2025, pp. 43-56. https://doi.org/10.1007/978-3-031-96231-8_4.

Rashmi Pavagada Subbanarasimha, "Beyond Breakdowns: Visibilizing the Infrastructural Labor that sustain everyday Information System Shortcomings," in Proc. Pacific Asia Conference on Information Systems (PACIS 2025), Kuala Lumpur, Malaysia, July 5-9, 2025, 17p. https://aisel.aisnet.org/pacis2025/is_adoption/is_adoption/12.

Sunny Kaushik, Rohit Mogli, Riddhika Mahalanabis and Balakrishnan Ashok, "Data-Driven Prediction of Glass Transition Temperature Using Molecular Structural Features," in Proc. 25th International Conference on Computational Science (ICCS 2025 Workshops), Singapore, July 7–9, 2025, pp. 252-260. https://doi.org/10.1007/978-3-031-97564-6_20.

Dhruv Awasthi, Pooja S. B. Rao and Dinesh Babu Jayagopi, "ResumeGenAI: Supporting Job Seekers with LLM-Driven Resume Feedback," in Proc. 7th ACM Conference on Conversational User Interfaces (CUI'25), Canada, July 8-10, 2025, 9p. https://doi.org/10.1145/3719160.377622.

Ashashree Sarma, Sushree Behera, Srinath Srinivasa and Prasad Ram, "Modeling Outcomes-led Learner Behavior and Emergent Social Synchrony," in Proc. 12th ACM Conference on Learning @ Scale, Palermo, Italy, July 21 - 23, 2025, pp. 371-375. https://doi.org/10.1145/3698205.3733959.

Meera Muthukrishnan, Kartik Joshi, Devidatta Ghosh, Rajagopal Nagarajan, and Supriya Dey,

"Situating assistive technology for sustained diagram comprehension in learning spaces: Case study of Iris-Antara solution for children with visual impairments," in Proc. ACM SIGCAS/SIGCHI Conference on Computing and Sustainable Societies (COMPASS '25), Toronto, Canada, July 22-25, 2025, pp.786–791. https://doi.org/10.1145/3715335.3736328

Nagarajan S and Kurian Polachan, "An Autoencoder-Based TinyML Model for On-Device Arrhythmia Detection," International Conference on Smart Applications, Communications and Networking (SmartNets), Istanbul, Turkiye, July 22-24, 2025, 8p. doi: https://doi.org/10.1109/SmartNets65254.2025.11106907.

JOURNALS & MAGAZINE ARTICLES

Sushree S. Behera and Niladri Puhan, "Approximate Multidimensional Discrete Cosine Transform-Based Deep Attention Network for Cross-Spectral Periocular Recognition," IEEE Transactions on Instrumentation and Measurement, vol. 73, August 2024, Article no. 2528614. https://doi.org/10.1109/TIM.2024.3451579.

D. R. Vasanthi, Sanampudi Gopala Krishna Reddy and Madhav Rao, "HRM: M-Term Heterogeneous Hybrid Blend Recursive Multiplier for GF(2n) Polynomial," IEEE Transactions on Very Large Scale Integration (VLSI) Systems, vol. 32, no. 8, pp. 1447-1460, August 2024. https://doi.org/10.1109/TVLSI.2024.3393860.

V P Abidha and Pradeesha Ashok, "Red Blue Set Cover problem on axis-parallel hyperplanes and other objects," Information Processing Letters, vol. 186, August 2024, Article no. 106485. https://doi.org/10.1016/j.ipl.2024.106485.

Prince Nileshbhai Butani,Jaya Sreevalsan-Nair and Nilay Kamat, "CMA: An End-to-End System for Reverse Engineering Choropleth Map Images," IEEE Geoscience and Remote Sensing Letters, vol. 21, August 15, 2024, Article no. 8003305. https://doi.org/10.1109/LGRS.2024.3444600.

R Shashidhara, Renju Chirakarotu Nair and Pavan Kumar Panakalapati, "NextGen Authentication: A Secure Blockchain-based Protocol for Content-Centric Networks with Soulbound Tokens," IEEE Access, vol. 12, pp. 111293-111310, August 2024. https://doi.org/10.1109/ACCESS.2024.3441051.

Anuradha Mitra, Sridhar V and Gopal K. Sarangi, "Analysing spectrum administration for 5G in India using a policy Delphi," Competition and Regulation in Network Industries, vol. 25 , no. 2-3, pp. 69-83, June-September 2024. https://doi.org/10.1177/17835917241267881.

Chakka Sai Pradeep and Neelam Sinha, "CAM based fine-grained spatial feature supervision for hierarchical yoga pose classification using multi-stage transfer learning," Expert Systems with Applications, vol. 249, Part B, September 2024, Article no. 123625. https://doi.org/10.1016/j.eswa.2024.123625.

Yashwanth Ramamurthi and Amit Chattopadhyay, "A Topological Distance Between Multi-Fields Based on Multi-Dimensional Persistence Diagrams," IEEE Transactions on Visualization and Computer Graphics, vol. 30, no. 9, pp. 5939-5952, September 2024. https://doi.org/10.1109/TVCG.2023.3314763.

Roshni Poddar, Tarini Naik, Manikanteswar Punnam, Kavyansh Chourasia, Rajeswari Pandurangan, Rajesh S Paali, Nagarathna R Bhat, Bhagyashree Biradar, Venkatesh Deshpande, Devidatta Ghosh, Sudipta Ray Chaudhuri, Dipanjan Chakraborty, Amit Prakash and Manoha, "Experiences from Running a Voice-Based Education Platform for Children and Teachers with Visual Impairments," ACM Journal on Computing and Sustainable Societies, vol. 2, no. 3, September 2024, Article no. 34. https://doi.org/10.1145/3677323.

Venkat Suprabath Bitra, Shweta Verma and B. Tirumala Rao, "TinyML-Raman: A novel IoT based field-deployable spectra analysis for accurate identification of pharmaceuticals and trace dye-pesticide mixtures from facile SERS method," Analytica Chimica Acta, vol. 1322, September 2024, Article no. 343063. https://doi.org/10.1016/j.aca.2024.343063.

Alec Lu, Jahanvi Narendra Agrawal and Zhenman Fang, "SQL2FPGA: Automated Acceleration of SQL Query Processing on Modern CPU-FPGA Platforms," ACM Transactions on Reconfigurable Technology and Systems, vol. 17, no. 3, 28p., September 2024, Article no. 39. https://doi.org/10.1145/3674843.

Vinay Reddy Venumuddala, Amit Prakash, and Bidisha Chaudhuri, "Governing smart city IoT interventions: A complex adaptive systems perspective," Digital Government: Research and Practice, vol. 5, no. 3, pp. 1-24, September 2024. https://doi.org/10.1145/3660644.

K. R. Akshatha, K. Phani Pavan, A. K. Karunakar and B. Satish Shenoy, "Enhancing Person Detection in UAV Color Images: Empirical Study and Novel Techniques for Improved Performance," IEEE Access, vol. 12, pp. 140699 - 140714, September 2024. https://doi.org/10.1109/ACCESS.2024.3467372.

Samudrala Soujanya, Prem Singh and Himanshu B. Mishra, "OFDM/OQAM-IRS System with Imperfect CSI," IEEE Communications Letters, vol. 28, no. 10, pp. 2382 - 2386, October 2024. https://doi.org/10.1109/LCOMM.2024.3444902.

Le Ngu Nguyen, Praneeth Susarla, Anirban Mukherjee, Manuel Lage Cañellas, Constantino Álvarez Casado, Xiaoting Wu, Olli Silvén, Dinesh Babu Jayagopi and Miguel Bordallo López, "Non-contact multimodal indoor human monitoring systems: A survey," Information Fusion, vol. 110, October 2024, Article no. 102457. https://doi.org/10.1016/j.inffus.2024.102457.

Dibakar Das, Jyotsna Bapat and Debabrata Das, "Node and edge centrality based failures in multi-layer complex networks," Journal of Computational Science, vol. 82, October 2024, Article no. 102396. https://doi.org/10.1016/j.jocs.2024.102396.

Anuradha Mitra, Sridhar V and Gopal K. Sarangi, "Net Neutrality and 5G in India: A Policy Delphi Survey," Law, State and Telecommunications Review, vol. 16, no. 2, pp. 31-47, October 2024. https://doi.org/10.26512/lstr.v16i2.52024.

Pooja S.B. Rao, Laetitia Renier, Marc-Olivier Boldi, Marianne Schmid Mast, Dinesh Babu Jayagopi and Mauro Cherubini, "On the potential of supporting autonomy in online video interview training platforms," International Journal of Human-Computer Studies, vol. 191, November 2024, Article no. 103326. https://doi.org/10.1016/j.ijhcs.2024.103326.

Parthiban Annamalai, Pradeesha Ashok, Rajath Rao, Divyanshi Rajput, Jyotsna Bapat and Debabrata Das, "Perfect UE Grouping for Frequency Sharing in Full Duplex Cellular Networks," IEEE Wireless Communications Letters, vol. 13, no. 11, pp. 3252 - 3256, November 2024. https://doi.org/10.1109/LWC.2024.3471248.

Ranjani Niranjan and Sachit Rao, "Handling shift and irregularities in data through sequential ellipsoidal partitioning," Data-Centric Engineering, vol. 5, November 2024, Article no. e37. https://doi.org/10.1017/dce.2024.41.

Sudhakar Rai, Prem Singh, Ekant Sharma, Aditya K. Jagannatham and Lajos Hanzo, "Energy Efficiency Optimization of FBMC/OQAM-based Massive MIMO Systems Subject to Electromagnetic Exposure Constraints," IEEE Transactions on Vehicular Technology, vol. 73, no. 11, pp. 17247-17264, November 2024. https://doi.org/10.1109/TVT.2024.3428974.

Amudheesan Nakkeeran, Prashant K. Walii, Jyotsna Bapat, and Debabrata Das, "Novel Static Puncturing Scheme for Facilitating Ultra-Reliable Low-Latency IoT Communications," IEEE Internet of Things Journal, vol. 11, no. 24. pp. 40714 - 40726, December 2024. https://doi.org/10.1109/JIOT.2024.3458011.

Arvind Upreti and Sridhar V, "Effect of automation of routine and non-routine tasks on labour demand and wages," IIMB Management Review, vol. 36, no. 4, pp.289-308, December 2024. https://doi.org/10.1016/j.iimb.2024.09.001.

Ranjani Niranjan and Sachit Rao, "Classification with Trust: A Supervised Approach based on Sequential Ellipsoidal Partitioning," IEEE Transactions on Knowledge and Data Engineering, vol. 36, no. 12, pp. 7757 - 7771, December 2024. https://doi.org/10.1109/TKDE.2023.3345658.

Yash Jakhmola, Madhurima Panja, Nitish Kumar Mishra, Kripabandhu Ghosh, Uttam Kumar and Tanujit Chakraborty, "Spatiotemporal Forecasting of Traffic Flow using Wavelet-based Temporal Attention," IEEE Access, vol. 12, pp. 188797 - 188812, December 2024. https://doi.org/10.1109/ACCESS.2024.3516195.

Tushar Vrind and Debabrata Das, "AeroLOBE: A Deep Learning-based Novel Load Balancer for Aerial Communication to Enhance the Performance of 6G Networks," Journal of Communications and Information Networks, vol.9, no.4, pp. 390-400, December 2024. https://doi.org/10.23919/JCIN.2024.10820167.

Venkataraman Subramanian and Manisha V. Kulkarni, "Integral basis for quartic Kummer extensions over Q[I]," Indian Journal of Pure and Applied Mathematics, Online December 2024. https://doi.org/10.1007/s13226-024-00742-w.

Mohd. Rizwan Shaikh and Mohamad Forouzanfar, "Dual-Stream CNN-LSTM Architecture for Cuffless Blood Pressure Estimation from PPG and ECG Signals: A PulseDB Study," IEEE Sensors Journal, vol. 25, no. 2, pp. 4006-4014, January 15, 2025. https://doi.org/10.1109/JSEN.2024.3512197.

Adil Shiyas and Sachit Rao, "Design of planar collision-free trochoidal paths for a multi-robot swarm," European Journal of Control, vol. 81, January 2025, Article no. 101143. https://doi.org/10.1016/j.ejcon.2024.101143.

Ananya Appan, Anirudh Chandramouli and Ashish Choudhury, "Network Agnostic Perfectly Secure Multiparty Computation Against General Adversaries," IEEE Transactions on Information Theory, vol. 71, no. 1, pp. 644-682, January 2025. https://doi.org/10.1109/TIT.2024.3470513.

Tushar Vrind, Lalit Pathak, Shrinath Ramamoorthy Madhurantakam and Debabrata Das, "Adaptive Aerial Cell Replacement Mechanism for Efficient Operation in 6G Wireless Networks," IEEE Transactions on Vehicular Technology, vol. 74, no. 1, pp. 1446-1459, January 2025. https://doi.org/10.1109/TVT.2024.3465032.

Agrim Agarwal, Amrita Mishra, Ashirwad Ray and Priyanka Das, "Sparse Channel Estimation in IRS-Assisted Massive MIMO Cognitive Radio Systems," IEEE Transactions on Communications, vol. 73, no. 1, pp. 200-215, January 2025. https://doi.org/10.1109/TCOMM.2024.3435452.

Sindhu Mathai, Parvathi Krishnan and Jaya Sreevalsan-Nair, "Understanding Graphical Literacy Using School Students' Comprehension Strategies," Contemporary Education Dialogue, vol. 22, no. 1, pp. 40-74, January 2025. https://doi.org/10.1177/09731849241242855.

Bindu G Gowda, H C Prashanth, V N Muralidhara and Madhav Rao, "A probabilistic approach to design inexact compressors for approximate booth multipliers," Analog Integrated Circuits and Signal Processing, vol. 122, Article no. 24, January 2025. https://doi.org/10.1007/s10470-025-02327-x.

Sridhar V, B Lohani, Balaji Parthasarathy and Preeti Mudliar, "Modelling and analysis of the market dynamics and regulation of online gig work," Digital Policy, Regulation and Governance, vol. 27, no. 1, pp. 74-93, January 2025. https://doi.org/10.1108/DPRG-04-2024-0066.

Kanigiri Naveen and Thangaraju B, "Enhancing Performance Monitoring and Optimisation with New Relic One," Open Source For You, Online January 27, 2025. url: https://www.opensourceforu.com/2025/01/enhancing-performance-monitoring-and-optimisation-with-new-relic-one

Henning Fernau, Florent Foucaud, Kevin Mann, Utkarsh Padariya and Rajath Rao K.N., "Parameterizing Path Partitions," Theoretical Computer Science, vol. 1028, February 2025, Article no. 115029. https://doi.org/10.1016/j.tcs.2024.115029.

Mudasir Ahmad Sheikh, Anupama Rajoriya, Prem Singh and Rohit Budhiraja, "Bayesian Learning-Aided Channel Estimators for Superimposed-Pilot-Based OTFS Systems," IEEE Transactions on Communications, vol. 73, no. 2, pp. 950-957, February 2025. https://doi.org/10.1109/TCOMM.2024.3446575.

Abhishek Karishiddimath, Angelina Francis, Hridya Harikumar, Pramita Sengupta, T K Srikanth and Seema Mehrotra, "Preliminary Evaluation of an Indigenous Mental Health App for Indian Users," Cureus: Journal of Medical Science, vol. 17, no. 3, March 2025, Article no. e80346. https://doi.org/10.7759/cureus.80346.

Ajay, B. S, Phani Pavan K and Madhav Rao, "MC-QDSNN: Quantized Deep Evolutionary SNN With Multi-Dendritic Compartment Neurons for Stress Detection Using Physiological Signals," IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 44, no. 4, pp. 1313 - 1325, April 2025. https://doi.org/10.1109/TCAD.2024.3484353.

Agnibh Pathak, Soham Bhattacharjee, Tulika Saha and Sriparna Saha, "Do Sentiment and Emotion affect Mental Health? A Multi-task Classification Framework for Comprehensive Understanding of Mental Health, Emotion, and Sentiment from Motivational Conversations," ACM Transactions on Computing for Healthcare, vol. 6, no. 2, 16p., April 2025, Article no. 28. https://doi.org/10.1145/3704740.

Yogita Pimpalkar, Sharvari Ravindran, Jyotsna Bapat and Debabrata Das, "A Novel E2E Path Selection Algorithm for Superior QoS and QoE for 6G Services," IEEE Transactions on Network and Service Management, vol. 22, no. 2, pp. 1174 - 1187, April 2025. https://doi.org/10.1109/TNSM.2024.3519707.

N P Sharvari, Dibakar Das, Jyotsna Bapat and Debabrata Das, "Improved Q-Learning Based Multi-hop Routing for UAV-Assisted Communication," IEEE Transactions on Network and Service Management, vol. 22, no. 2, pp. 1330 - 1344, April 2025. https://doi.org/10.1109/TNSM.2024.3522153.

Rashmi Pavagada Subbanarasimha, Vinay Reddy Venumuddala, Amit Prakash and Bidisha Chaudhuri, "Embracing Complexity in Smart City Services: A Case of Waste Management," Journal of Innovation & Knowledge, vol. 10, no. 2, March-April 2025, Article no.100661. https://doi.org/10.1016/j.jik.2025.100661.

Pavan Iddalagi and Amrita Mishra, "Enhanced Flow Rate-Based Queuing Discipline for Contention Avoidance in SD-WANs," IEEE Open Journal of the Communications Society, vol. 6, pp. 2566 - 2582, April 2025. https://doi.org/10.1109/OJCOMS.2025.3558128.

Seema Mehrotra, Ravikesh Tripathi, Pramita Sengupta, Abhishek Karishiddimath, Angelina Francis, Pratiksha Sharma, Paulomi Sudhir, Srikanth TK, Girish N Rao and Rajesh Sagar, "Mental Health Apps Available in App Stores for Indian Users: Protocol for a Systematic Review," JMIR Research Protocols, vol. 14, April 2025, Article no. e71071. https://doi.org/10.2196/71071.

Rohit Prasad, Sridhar V and Mansi Kedia, "Functional Separation and a Restructured Licensing Framework for Indian Telecommunications," Vikalpa: The Journal for Decision Makers, Online May 12, 2025. https://doi.org/10.1177/02560909251330750.

Shiva Maleki Varnosfaderani, Mohd Rizwan Shaikh, and Mohamad Forouzanfar, "A Comprehensive Review of Unobtrusive Biosensing in Intelligent Vehicles - Sensors, Algorithms, and Integration Challenges," Bioengineering-Basel, vol. 12, no. 6, June 2025, Article no. 669. https://doi.org/10.3390/bioengineering12060669.

Karthik Sama, Jaya Sreevalsan-Nair et.al., "mindLAMPVis as a Co-Designed Clinician-Facing Data Visualization Portal to Integrate Clinical Observations From Digital Phenotyping in Schizophrenia: User-Centered Design Process and Pilot Implementation," JMIR Formative Research, vol. 9, June 2025, Article no. e70073. https://doi.org/10.2196/70073.

Christian Ruyer-Quil, Sanghasri Mukhopadhyay and R. Usha, "Mass and momentum transfer at fluid–porous interfaces: jump boundary conditions for non-parallel flows," Journal of Fluid Mechanics, vol. 1012, June 2025, Article no. A16. https://doi.org/10.1017/jfm.2025.10161.

Debanjali Bhattacharya and Neelam Sinha, "Towards understanding the functional connectivity patterns in visual brain network," Medical & Biological Engineering & Computing, Online June 2025. https://doi.org/10.1007/s11517-025-03389-9.

Harsha Rudramuniyappa, Samudrala Soujanya, Prem Singh and Ekant Sharma, "Optimized Algorithms for FPGA Implementation of PDCCH Chain for 5G-NR Base Station," IEEE Transactions on Circuits and Systems I: Regular Papers, vol. 72, no. 7, pp. 3474 - 3487, July 2025. https://doi.org/10.1109/TCSI.2024.3519752.

Gaurav Jajoo and Prem Singh, "Modulation Classification for Overlapped Signals Via Clustering Analysis of Super-Constellations," IEEE Transactions on Vehicular Technology, vol. 74, no. 7, pp. 10896 - 10911, July 2025. https://doi.org/10.1109/TVT.2025.3547434.

Shivani Singh, Amudheesan Nakkeeran, Prem Singh, Ekant Sharma and Jyotsna Bapat, "Target Detection for OTFS-Aided Cell-Free MIMO ISAC System," IEEE Transactions on Vehicular Technology, vol. 74, no. 7, pp. 11568 - 11573, July 2025. https://doi.org/10.1109/TVT.2025.3550135.

Aravind Voggu, R Kanish, Nishith Akula, Lohitaksh Maruvada, Takanori Shimizu and Madhav Rao, "SIGNETS: Neural Network Architectures for m-QAM Soft Demodulation," IEEE Access, vol. 13, pp. 117078 - 117079, July 2025. https://doi.org/10.1109/ACCESS.2025.3586043.

Vinay Kulkarni, V. V. Reddy and Neha Maheshwari, "KAN-powered large-target detection for automotive radar," IEEE Transactions on Radar Systems, vol. 3, pp. 963-968, July 2025. https://doi.org/10.1109/TRS.2025.3584994.

Neeta Jha, Amrita Mishra, Jyotsna Bapat and Debabrata Das, "Enhancing spectral efficiency in sub-connected hybrid beamforming systems via beam pattern design," Physical Communication, vol. 71, August 2025, Article number 102700 (First published online May 2025). https://doi.org/10.1016/j.phycom.2025.102700.

Pradeesha Ashok, Sayani Das, Lawqueen Kanesh, Saket Saurabh, Avi Tomar, Shaily Verma, "Burn and win," Theoretical Computer Science, vol. 1049, September 2025, Article no. 115357 (First published online June 2025). https://doi.org/10.1016/j.tcs.2025.115357.

Shweta Verma, Venkat Suprabath Bitra and B. Tirumala Rao, "Machine learning driven trace detection of pesticide mixtures using citrate optimized Au nanoparticles based in-expensive efficient micro-drop SERS with portable spectrometer," Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, vol. 340, November 2025, Article no. 126333 (First published online May 2025). https://doi.org/10.1016/j.saa.2025.126333.

PATENTS PUBLISHED

Prof Vinod Veera Reddy, Agrim Agarwal, and Prof Amrita Mishra "IRS Based Radar System And Method Thereof" published as IPA number 202441009587 on 25.10.2024.

Ms. Yogita and, Dr. Jyotsna Bapat System And Method For Detecting Cloud Container-Based Energy Depletion And Synergistic Power Attacks In An IoT Network published as IPA number 202441057669 on 09.08.2024.

Harsha Rudramuniyappa and Samudrala "A Novel Architecture for FPGA Implementation of 5G-NR PDCCH chain" published as IPA number 202441097682 on 20.12.2024.

Prof Jyotsna Bapat and Dr Sasirekha GVK "IoT enabled Compost Monitoring System (CMS) System Prototype" published as IPA number 202541033954 on 02/05.2025.

Praween Kumar Nishad, Ekant Sharma, and Prem Singh "Reconfigurable Intelligent Surface For Enhanced Signal Reflection And Beam Steering" published as IPA number 202541037613 on 09.05.2025

PATENTS GRANTED

Dibakar Das, Prof.. Jyotsna Bapat, Vikram Seshasai, Vineet Sudhir Bhat, Pushkal Juneja and Prof. Debabrata Das "Multi-Class Classifier With Artificial And Anonymous Training For Data Privacy" Indian patent number 544748 on 11.07.2024.

Mayank Kabra, Asmita Zjiygyasu, Saketh Gajawada,Yathin Kumar and Prof. Madhav Rao "A System For Customizing Integrated Circuit Designs" Indian Patent number 553320 on 28.10.2024.

Veerendra S Devaraddi and Dr. Nanditha Rao "Hardware System Prototype And Method For Convolution Operation In Convolutional Neural Network (Cnn) Indian Patent Number 557035 on 30.12 2024.

Pralay chakrabarty, Ananya Lakshmi Ravi and Dr. Kurian Polachan "System and Method For Identification of IoT Nodes Based On Gpio Pull-Up/ Down Resistors" Indian patent number 563531 on 25.03.2025.

Sharvari Ravindran, Yogita Pimpalkar, Dr. Jyotsna Bapat, and Prof. Debabrata Das System "Method For Estimating And Optimizing Throughput In O-Ran Slicing Environment" Indian Patent Number 564792 on 02.04.2025.

AUTHORED BOOKS

Thangaraju, B., "Real-world DevOps practices: A case study approach," New Delhi: Wiley India, 2024. URL: https://www.wileyindia.com/real-world-devops-practices-a-case-study-approach.html

Ashish Choudhury and Arpita Patra, "Fault-Tolerant Distributed Consensus in Synchronous Networks," Switzerland, Springer, 2025. https://doi.org/10.1007/978-3-031-80460-1

BOOK CHAPTERS

Asoke K. Talukder, Suptendra Nath Sarbadhikari, Erwin Selg and Roland E. Haas, "Digital Twins, Digital Triplets and eXplainable AI, in Precision Health," in Roles and Challenges of Semantic Intelligence in Healthcare Cognitive Computing, edited by Antonella Carbonaro, Sanju Tiwari, Fernando Ortiz-Rodriguez and Valentina Janev, IOS Press, 2024, Chapter 1, pp. 1-30. https://doi.org/10.3233/SSW230023.

Shaik Mohammed Waseem and Subir Kumar Roy, "Fully convolutional network for edge devices—FPGA implementation and analysis for agriculture technology," in Cyber-Physical Agricultural Systems, edited by Seifedine Kadry et.al., Academic Press, 2024, Chapter 10, pp. 175-196. https://doi.org/10.1016/B978-0-443-13185-1.00010-1.

Varsha P. Suresh, Rekha Pai, Deepak D'Souza, Meenakshi D'Souza and Sujit Kumar Chakrabarti, "Static Race Detection for Periodic Real-Time Programs with IPCP Locks," in The Application of Formal Methods - Essays Dedicated to Jim Woodcock on the Occasion of His Retirement, edited by Simon Foster and Augusto Sampaio, Springer, 2024, Chapter 10, pp. 233-260. https://doi.org/10.1007/978-3-031-67114-2_10.

K. Subramani and Srinivasa Prasanna, "An Algorithm to Solve an Exponential Diophantine Equation," in Mathematical Modeling for Computer Applications, edited by Biswadip Basu Mallick et.al.,, John Wiley and Scrivener Publishing, 2024, Chapter 27, pp. 463-476.. https://doi.org/10.1002/9781394248438.ch27.

S. Rajagopalan, "The Political Economy of Maps as Public Documents," in Institutions and Public Policy for India's Sustainable Development Perspectives on Governance, Technology, and Finance, edited by Sukhpal Singh, Jyotsna Jha, A. Indira, A.V. Arunkumar, Routledge, 2024, Chapter 12, pp. 204-217. https://doi.org/10.4324/9781003536161-12.

Himanshi Srivastava, Uttam Kumar and Nihal Pattanshetty, "Land Use and Land Cover Change (LULCC) Detection in Bangalore, India Using Multi-Temporal Synthetic Aperture Radar through a Novel Spatial Attention Enhanced-Dual Path-Siamese Neural Network," in Remote Sensing of Land Cover and Land Use Changes in South and Southeast Asia, vol. 1: Mapping and Monitoring, edited by Krishna Prasad Vadrevu, Christopher Justice and Garik Gutman, CRC Press, July 2025, Chapter 3, pp. 71-94. https://doi.org/10.1201/9781003396253-3.

Deeksha Aggarwal, Sai Shruti Prakhya and Uttam Kumar, "Agriculture Crop Monitoring for Yield Estimation with Zero-Shot Fruit Detection: A Deep Learning Approach," in Remote Sensing of Land Cover and Land Use Changes in South and Southeast Asia, vol. 1: Mapping and Monitoring, edited by Krishna Prasad Vadrevu, Christopher Justice and Garik Gutman, CRC Press, July 2025, Chapter 5, pp. 115-132. https://doi.org/10.1201/9781003396253-5.

Anindita Dasgupta and Uttam Kumar, "Ecological Evaluation and Assessment of Spatial Variables Influencing the Urban Heat Island Effect in Bangalore, India," in Remote Sensing of Land Cover and Land Use Changes in South and Southeast Asia, vol. 2: Impacts on the Environment, edited by Krishna Prasad Vadrevu, Christopher Justice and Garik Gutman, CRC Press, July 2025, Chapter 6, pp. 94-107. https://doi.org/10.1201/9781003396260-6.

Kakunuri Himarishitha Reddy and Thangaraju B, Monitor The Health Of Your System With New Relic. Open Source For You, Online July 7, 2025. url: https://www.opensourceforu.com/2025/07/monitor-the-health-of-your-system-with-new-relic/.

EDITED BOOKS

Dinesh Jayagopi, Sumohana Channappayya and Elisa Ricci. Eds., Proceedings of the 15th. Indian Conference on Computer Vision Graphics and Image Processing (ICVGIP '24), ACM: 2024.

Santanu Chaudhury, Anand Mishra, Anoop M. Namboodiri, Dinesh Babu Jayagopi, Neelam Sinha and Rajendra Nagar. Eds., Proceedings of the 8th National Conference on Computer Vision, Pattern Recognition,Image Processing, and Graphics, (NCVPRIPG 2023), Springer: 2025. https://doi.org/10.1007/978-981-97-5212-6.

Srinath Srinivasa, Srinidhi Saragur and Shivakumar Malapaka. Eds., Proceedings of the 29th International Conference on Advanced Computing and Communications: Responsible AI, ADCOM 2024, Springer: 2025. https://doi.org/10.1007/978-3-031-96473-2.

International
Institute of Information
Technology Bangalore
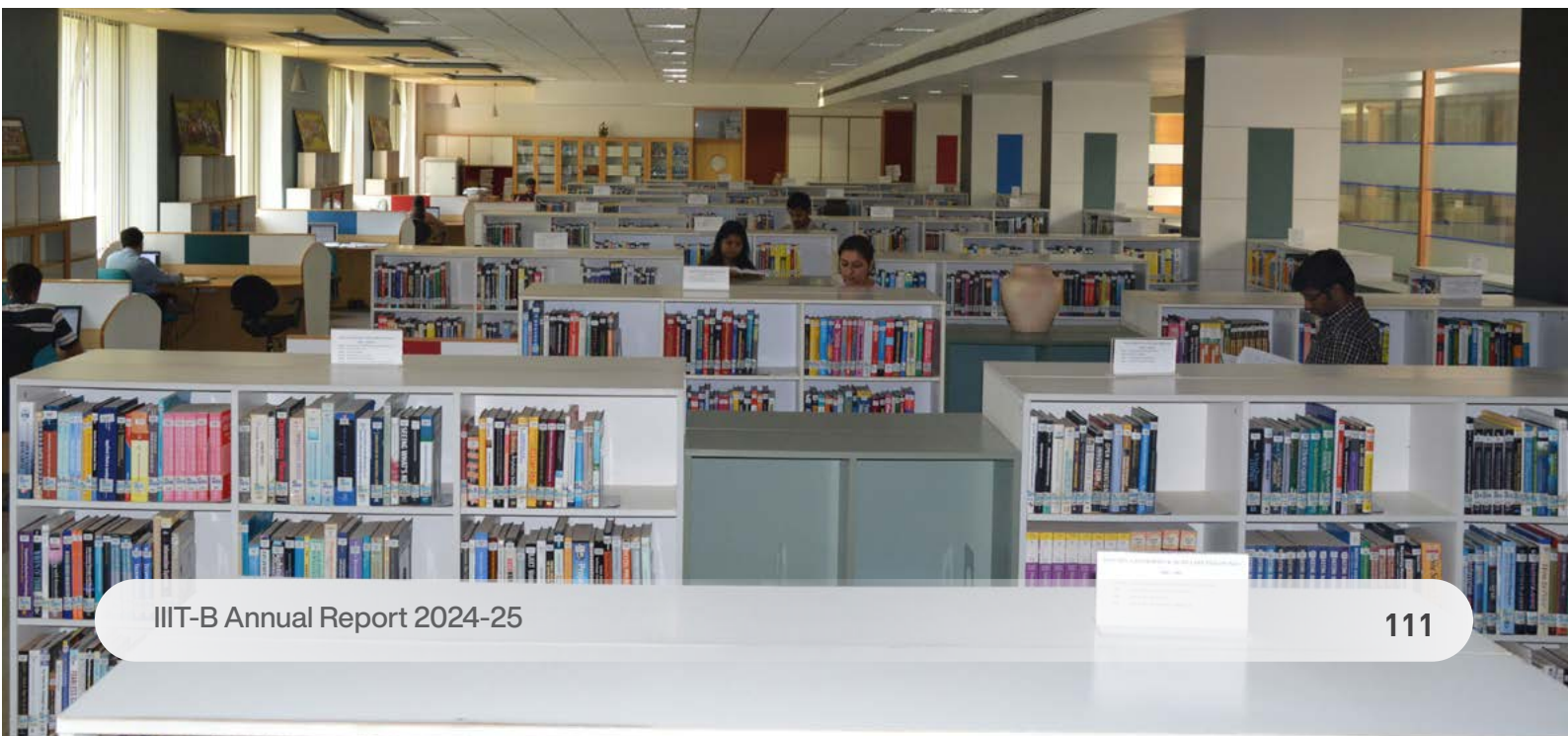
14
STUDENT ACTIVITIES

RESEARCH   **RIGOR**   **RELEVANCE**

STUDENT ACTIVITIES COUNCIL

The Student Affairs Council (SAC) is the apex student body at IIIT-Bangalore. It oversees the functioning of the various committees presides overall student and acts as a liaison between the student body and the administrative authorities of the college.

The body is led by four under-graduate (Imtech) and four post-graduate (MTech and others) students.

SAC engages in discussions with the Director, Deans, Registrar, Wardens, and Coordinator of Student Affairs on academic and non-academic issues affecting the student body in general. The broad responsibility of SAC is to facilitate the smooth functioning of all the student activities at IIIT-Bangalore.

General Responsibilities:

- The representative body of the students in academic and non-academic matters.
- Organizing extra-curricular and co-curricular activities for IIIT-B students in consultation and collaboration with other student clubs and committees
- Facilitating the induction process for the incoming batch of students
- Regular communication and coordination of student mental/emotional well-being related programs
- Co-ordination of interaction between different student committees and clubs, as and when required
- Selection of an Election Committee for conducting SAC elections for the next term.

Student Affairs Council 2024-25 Members:

- **Gathik Jindal (IMT2023089)**
- **Prabhas Jupalli (IMT2023105)**
- **Niveditha Varma (IMT2021033)**
- **Siddharth Ayathu (IMT2022517)**
- **Harshal Gujarathi (MT2024055)**
- **Akshat Betala (IMT2023019)**
- **Bhavya Joshi (MT2024032)**
- **Dheeraj Muppiri (IMT2023596)**
- **Sakshya Olhan (MT2024131)**
- **Aira Jain (MS2024002)**

Transition of the Student Affairs Council to its new members on November 18, 2024

STUDENT ACTIVITIES

September 5, 2024

Blood Donation Drive at IIIT-Bangalore

On September 5, 2024, Aikyam successfully hosted a blood donation camp inside the campus. The initiative aimed to raise awareness about the importance of blood donation and encourage students and staff to participate. Over 120 units of blood were collected, making a significant impact on the local community.

September 7-9, 2024

Students Unite to Celebrate Ganesh Chaturthi at IIIT-Bangalore

To celebrate Ganesh Chaturthi, a procession with Lord Ganesha idol was held around the campus of IIIT-Bangalore. After the procession, a pooja was held, during which all students gathered to seek blessings from Ganesha. In the evening, open mic was conducted and many stepped forward to express their devotion to God through heartfelt songs. Then aarti was offered to God by singing bhajans. The day concluded with an energetic Garba dance. After two days of heartfelt prayers to Lord Ganesha, the time had come to bid him a farewell. It began with the uttarpooja with poojari's blessings, followed by aarti. Ganesha was then immersed in a sacred kund with devotion, gratitude and hope for his return next year.

23-25 October 2024

Aikyam's Vibrant Deepavali Fundraiser

Aikyam hosted a vibrant three-day celebration for Deepavali from October 23rd to 25th, blending music, culture, and community spirit. The first night featured soul-stirring performances by visually impaired artists, forging a deep connection with the audience. The second evening turned festive with a lively DJ night, as attendees danced in ethnic attire. The final day offered a hands-on pottery-making session, adding a creative touch to the festivities. The Diwali fundraiser was a resounding success, bringing people together through joy, art, and generosity.

January 13, 2025

IIIT-B marked National Youth Day, the birth anniversary of Swami Vivekananda (12 January) with an inspiring celebration on 13th January 2025 at the Old Basketball Court. The event, dedicated to honoring Swami Vivekananda's contributions to spirituality, education, and societal upliftment, brought together students and faculty for a meaningful gathering. The event featured poetry recitations and a Nukkad Natak, inspiring the audience with themes of wisdom, courage, and social change.

January 13-14, 2025

Bonfires, Kites & Festivities: IIIT-B Rings in Makar Sankranti, Lohri & Pongal

The Students of IIIT-Bangalore hosted a joyous two-day celebration to mark the festive spirit of Makar Sankranti, Lohri, and Pongal. The celebrations created a memorable experience filled with music, cultural activities, and traditional festivities.

The event kicked off on January 13th with a Bonfire & Musical Night at the Old Basketball Court. The evening was filled with warmth, melodies, and togetherness as

the community gathered around the bonfire to enjoy soulful music and celebrate the festive spirit.

On January 14th, the Football Ground was abuzz with excitement as students engaged in Kite Flying, painting the sky with vibrant colors. The day continued with a grand festive feast, bringing everyone together to relish traditional delicacies. The celebrations concluded with a Movie Screening, making for a perfect end to the two-day extravaganza.

The event truly encapsulated the essence of joy, unity, and cultural harmony, making it a cherished occasion for the IIIT-B community.

February 7-9, 2025

IIIT-Bangalore's Annual Cultural Fest Infin8 2025: Resounding Success

IIIT-B hosted its much-anticipated annual inter-college cultural fest, Infin8 from February 7-9, 2025, in a vibrant celebration of talent and creativity. This year's edition, themed "Odyssey Osaka", a fusion of the traditional Japanese culture and modernized ideas, turned the campus into a vibrant hub of cultural exchange and artistic expression.

Spanning three electrifying days, Infin8 2025 featured an array of performances, competitions, and engaging activities. More than 700 students from 21 colleges participated in 26 diverse events, ranging from singing, dance, photography, acting, quizzes, ramp shows, poetry, and video games.

One of the major highlights of the event was the mesmerizing performance by renowned mentalist Karan Singh, who left audiences spellbound with his mind-bending illusions. The festival also featured a soulful musical opening act by Akshay and Ashwin Mandoth, setting the perfect mood for Day 2. The lineup of events included enthralling band performances, rib-tickling stand-up comedy, and a grand finale featuring the high-energy rock band Oxygen On The Rocks. The festival concluded on an electrifying note with an unforgettable DJ night, where attendees danced to pulsating beats, celebrating the grand success of Infin8 2025.

April 3, 2025

Ram Navami celebrations

Turiya, the spiritual club of IIIT-B, organized a vibrant celebration of Ram Navami on campus. Students, dressed in traditional attire, came together to participate in a series of cultural events, including devotional music, dance performances, and bhajans. The celebration also featured the distribution of prasadam, adding to the festive spirit. The event was well attended and thoroughly enjoyed by all.

April 11, 2025

Blood Donation Camp
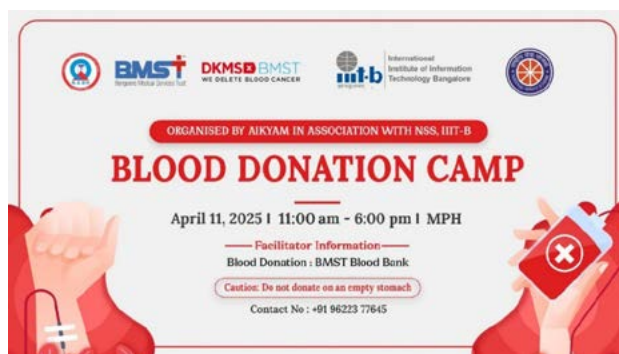
Aikyam NSS-IIITB, our institute's social volunteering club, in collaboration with the Bangalore Medical Services Trust (BMST), organized a Blood Donation Camp at IIIT-B. Faculty, staff and students participated in this camp wholeheartedly to support the noble cause. Their enthusiastic participation helped make the camp a resounding success, highlighting the spirit of community service at IIIT-Bangalore.

STUDENT ACHIEVEMENTS

Tarun Gupta i-MTech student and his team won second prize at ETH Singapore hosted by ETH Global for his project on private lending platform on the Oasis Sapphire blockchain.

Impulse bagged the 1st runners up title in Fusion 2k24 organized on October 26, 2024, by the Department of Management Studies at T. John College.

On 17th November 2024, Impulse the Dance Club of IIIT Bangalore won first prize in "Step up Groovers", conducted as a part of Cobalt Skies 2024, the annual cultural fest conducted by Bangalore Medical College and Research Institute, Bangalore.

PGP-DPDM students Sreejith N, Vatsal, Rohan Carlo and Aditi R K for winning an Ideathon on the theme 'Inclusive Campus for All.' This event was organized by ASAP (Additional Skill Acquisition Program), an initiative of the Kerala government aimed at enhancing youth employability through skill development programs.

i-M.Tech. students (Sowmya Yenigalla, Varsha Yamsani, Akshaya Bysani, and Sukeerthi PVS) won the Best Design Contest Award in the NXP board category at the 38th International Conference on VLSI Design & 24th International Conference on Embedded Systems, held in Bangalore (January 6-8, 2025).

Another i-M.Tech. team (Aryaman Pathak, Bhavya Kapadia, Hemant Gupta, Shreyas Biradar, and Siddeshwar Kagatikar) secured the Second Runner-Up position at the Flipkart Grid Robotics 6.0 finals at IIT Madras. Competing against 3,400+ teams, they developed an automation driven solution incorporating brand detection, MRP and expiry detection using OCR and ML models, and freshness detection for quality assurance.

Theatre Arts Club, Parvaaz, secured the Runner-Up position in the Tamaasha stage play competition at SIBM's annual fest.

On May 1-4, 2025 Team Whooshing Liars, comprising Integrated M.Tech. students, secured 2nd place at the national-level Truthtell Hackathon during the WAVES Summit 2025. Organized by ICEA under the Create in India Challenge, the event saw 5,600+ registrations. The team presented their AI-powered misinformation detection prototype in Delhi to experts and officials. The hackathon focused on scalable NLP and ML solutions to combat misinformation during live broadcasts.

On May 23, 2025 Soumaditya Chaudhuri, an MS by Research student at IIIT-B, won the Best Paper Award (Track 2) at the 6th IEEE ICCC 2025 for his paper "Multi-RIS-based Target Positioning in Passive Radars," co-authored with Prof. Jyotsna Bapat and Prof. Amrita Mishra. The conference was held at the College of Engineering, Trivandrum.

Team Kanyarashi, consisting of Likith Kasam, Taral Sanka, and Kusumanchi Vinay, secured the 2nd Runner-Up position at the Sense2Scale Hackathon held on July 26, 2025, at IIIT-Bangalore. The event was organized in collaboration with the Electronics City Industries Association (ELCIA) as part of the ELCIA Tech Summit 2025. The team developed a Cold Chain Monitoring System for reliable tracking of temperature and humidity, which was recognized for its practical impact and scalability.

Shivankar, Monjoy and Naitik of the graduating class 2025 achieved the first runners-up position in Amazon's Hackathon,

Hemang Seth, Shreyas Biradar, Aryaman Pathak, and Rutul Satishkumar Patel, received the winner's title at the AI and Data Science Codeathon 2024

Ph.D student Rajavelswamy, who is also a Principal Architect at Samsung R&D SRIB, has been selected as the Chairman of the 3GPP, ITU SA3 Working Group on Security, —the world's largest standardization body for 5G, 6G, and future telecommunications technologies.

Research Associate Anirban Mukherjee won the IAPR Best Student Paper Award at the International Conference on Computer Vision and Image Processing (CVIP)

Sanjay, our Ph.D. scholar from graduating batch of 2025 has received the Best Paper Award at the Conference on Information Systems (InCIS) 2025.

Our cultural clubs' Impulse, the dance club, received first prize at NMIMS Solaris. In individual achievements, Ketaki securing 1st place in Western Solo Singing at Maaya, the cultural fest of PES University.

Tarang our campus band, clinched the 3rd place in the fiercely contested Battle of Bands, at the Maaya, the cultural fest of PES University.

SPORTS ACTIVITIES

August 28-September 1, 2024
National Sports Day

National Sports Day at IIIT-Bangalore was a vibrant two-day celebration of athleticism and unity. The campus buzzed with energy as students actively participated and cheered for their peers. The event was inaugurated by Director Prof. Debabrata Das, who paid tribute to Major Dhyan Chand, alongside Dr. Neha Arora and the Sports Committee. Handball and Kabaddi matches stole the spotlight, with the women's Handball game emerging as a crowd favorite. The enthusiastic participation and inclusive spirit made the event a memorable tribute to sportsmanship and camaraderie.

September 13-15, 2024
IIIT-Bangalore Premier League Auctions Ignite Excitement

IIIT-Bangalore held its 1st phase of the annual Premier League. The auctions were held with great zeal with owners of the various teams bidding points on the players of their choice. Diverse and skilled teams were formed with players from various batches of the college coming together as one.

After two days of rigorous practice, the teams were in full form for the fierce competition in the days to come. The players squared up against each other in several games including Volleyball, Throw ball, Power Lifting, Football, Table Tennis and Chess. The Finals were conducted with the audience sitting with bated breath, eager to see who would emerge victorious.

The event not only highlighted the raw talent of our students but also fostered a strong spirit of sportsmanship amongst the participants as well as the spectators.

November 21-24, 2024
Umang Sports Fest

Umang 2024, IIIT-Bangalore's annual inter-college sports festival drew over 1,000 students from 30 colleges, competing in more than 17 events across eight sports: Badminton (Singles & Doubles), Table Tennis (Singles & Doubles), Kabaddi, Chess, Volleyball, Basketball (3v3 & 5v5), Football, and Throwball.

The festival began with the hoisting of the IIIT-B flag by Director Prof. Debabrata Das, followed by the felicitation of the 2023–24 Sports Committee and an oath-taking ceremony promoting integrity and respect. A major highlight was IIIT-B's football win over Christ, securing first place. IIIT-B also topped in chess and secured second-place finishes in men's team Table Tennis, Badminton Women's Singles, and Doubles.

The event concluded with a grand awards ceremony, where Prof. Debabrata Das and Dr. Neha Arora, Sports Officer, presented medals, trophies, and certificates, celebrating the participants' achievements and sportsmanship.

December 16, 2024
Kreedotsav 2024: A Celebration of Sportsmanship and Unity at IIIT-Bangalore

Kreedotsav 2024, The much-anticipated Sports Fest for faculty and staff of IIIT-Bangalore,was a vibrant celebration of athleticism, community, and inclusivity. The event was formally inaugurated by our Director Prof. Debabrata Das, setting the stage for an exciting lineup of competitions. Featuring sports like Cricket, Badminton, Table Tennis, Volleyball, Carrom, and Chess, the fest brought together participants of all age groups, fostering a unique spirit of camaraderie and togetherness.

January 18, 2025
IIIT-Bangalore Triumphs at Revelation '25 with Futsal Victory

The IIIT-Bangalore Futsal team clinched first place at Revelation '25, the annual fest of Symbiosis Institute, displaying outstanding skill, teamwork, and sportsmanship. Competing against sixteen teams from renowned institutes, our players demonstrated exceptional determination and strategic gameplay throughout the tournament. Their hard-fought journey to the championship title is a testament to their dedication and competitive spirit. Congratulations to the team for bringing glory to IIIT-Bangalore!

January 24-26, 2025
Spandan 2025: A Celebration of Sportsmanship and Unity at IIIT-Bangalore

Spandan 2025, the annual intra-college sports fest of IIIT-Bangalore, brought together a remarkable 900 participants from within the college community. With a diverse lineup of 14 events, the fest featured traditional sports such as Basketball, Football, and Cricket, along with niche competitions like Esports and Gym events, ensuring an exciting experience for everyone.

The event commenced with a grand opening ceremony graced by the presence of Prof. Debabrata Das, Director alongside Prof. Chandrashekar Ramanathan, Dean (Academics), and Dr. Neha Arora, Sports Officer. From nail-biting Basketball games to gripping Esports battles, every event brought out the best in participants. As the fest drew to a close, the closing ceremony celebrated the efforts and achievements of all the participants. Dr. Debabrata Das, along with other esteemed guests, presented medals and certificates to the winners and runners-up, acknowledging their outstanding performances.

March 19-21, 2025

IIIT-B Shines at Alliance Athlos 2025!

Our students made us proud at the Alliance Athlos Event, held from March 19 to 21, 2025. In an impressive display of strategic brilliance, IIIT-B swept the Chess competition, securing all top three positions:

- Sarvesh Kumar (IMT2022521) – 1st Place
- Rakshith Srinivasan (IMT2023544) – 2nd Place
- Devendra Rishi Nelapati (IMT2021076) – 3rd Place

In Table Tennis, Jayesh Pandit (IMT2023111) showcased remarkable skill and agility, earning a well-deserved 2nd place.

Kudos to our champions for their outstanding performance!

March 21-23, 2025

IIIT-B Lights Up with Premier League Phase-II Action

IIIT-B Premier League Phase-II 2025 was a vibrant and unforgettable three-day sporting extravaganza that brought the entire campus community together. The event featured five main sports — Badminton, Carrom, Tennis, Cricket, and Basketball, and saw enthusiastic participation from students who competed with unmatched energy, passion, and sportsmanship.

The event was officially inaugurated by Prof. Chandrashekar Ramanathan, Dean, (Academics), along with the Cmde. SR Sridhar (Retd.), Registrar and Dr. Neha Arora Sports Officer. The inaugural ceremony took place at the Basketball Court and featured a ceremonial coin toss in the presence of the Sports Committee and all participating teams.

The atmosphere across the campus was electric, with cheers echoing from every corner as players displayed their talents in high-octane matches. From electrifying Cricket shots to strategic Carrom strikes, every game had the audience on the edge of their seats. The tournament was filled with thrilling comebacks, emotional victories, and nail-biting finishes. The spirit of camaraderie and sportsmanship truly stood out, with both men's and women's teams making the event even more special.

March 27-30, 2025

Spree Sports Event

Our students delivered an impressive performance at the Volleyball and athletics event at Spree 2025 held at BITS Pilani, K.K. Birla Goa Campus. Team IIIT-B made it to the semifinals in Volleyball, finals of the 400m race and clinching the 2nd runner-up position in the 800m race. Kudos to their hard work and achievements!

April 06, 2025, 2025

Miles4Meals: IIIT-Bangalore and Akshaya Patra Host a Run to Remember!

IIIT-Bangalore, in proud collaboration with The Akshaya Patra Foundation, hosted the 3rd edition of the Miles4Meals Marathon 2025 to fund midday meals for underprivileged school children. Prof. Debabrata Das, Director, IIIT-Bangalore, officially flagged off the marathon. Adding inspiration to the occasion was Mr. Vinod Sudhakar, Technology Director at The Akshaya Patra Foundation, who joined as the esteemed Guest of Honour.

Participants chose between 5K and 10K race categories, further segmented by gender and age groups - above and below 50 years. With over 300 runners, the event pulsed with passion and purpose. A prize pool of ₹ 1,50,000 recognized the top performers, while every finisher was celebrated with a medal and a lifetime certificate.

June 20, 2025, 2025

International day of Yoga

On June 20, 2025, IIIT-Bangalore joined the global celebration of the 11th International Day of Yoga by organizing 'Yoga Sangam 2025' at its Sports Arena. This event aligned with the nationwide initiative led by the Ministry of Ayush. The theme for this year, Yoga for One Earth, One Health, emphasized the interconnectedness of individual well-being and planetary health.

June 27, 2025

Inauguration of Badminton Courts

As part of the institute's ongoing efforts to enhance sports infrastructure, the badminton courts have been upgraded with high-quality synthetic mats. This significant improvement is designed to provide players with a superior playing experience, enhanced safety, and a professional-standard surface that meets competitive requirements. The newly refurbished courts were officially inaugurated by Cmde. SR Sridhar, Registrar, IIIT-B along with Dr. Neha Arora, Sports Officer, in the presence of faculty, memebers staff and students, marking a new chapter in the institute's commitment to promoting excellence in sports.

STUDENT ADMISSIONS

Following table gives the glimpse of the students enrolled for academic programmes during the Academic Year 2024-25

A total of 522 students joined the institute during July-August 2025

Programme		Male	Female	Total
B.Tech.		189	27	216
iM.Tech.		59	5	64
M.Tech.		138	40	178
PGP-DPDM		20	13	33
MS by Research		14	10	24
Ph.D		6	1	7
Total Students				**522**

PLACEMENT STATISTICS

● 656 Total Offers

● 350 Internship Offers

● 306 Full Time Offers

OFFER	METRIC	iMTech		MTech	
		CSE	ECE	CSE	ECE
Full Time CTC** (INR In Lakhs)	Highest	145	89.12	65	58
	Average	36.75	38	23.2	31.99
	Median	33	39.71	20.5	26
Internship Stipend (INR In Thousands)	Highest	250	110	115	75
	Average	78.66	60.81	57.37	51.33
	Median	60	50	50	47.5

**Includes Off-Campus Offers   *Some Domestic Offers Have RSUs Included   **Includes Academia And Industry Offers

Percentage Of Students - Full Time Employment (FTE)

INR in Lakhs

iMTech
CSE 97/99

ECE 37/42

MTech
CSE 136/162

ECE 20/30

Number of students

Cost to Company (CTC) in Lakhs

CTC Range	Number
> 60	14
40 - 60	54
30 - 40	49
20 - 30	86
10 - 20	82

Internship/Thesis

iMTech

CSE 99/99 ECE 42/42

MTech

CSE 162/162 ECE 30/30

Number of students

Compensation range in Thousands

Range	Students
100K +	65
50K +	160
35K +	107
20K +	17

Top Recruiters

Adobe amazon AMD AMERICAN EXPRESS AMPERE ANALOG DEVICES AngelOne

APPLIED MATERIALS ARISTA AUGNITO AXTRIA big basket A TATA Enterprise BOSCH cerebras

ciena cisco ClinChoice CRIS COHESITY ConcertAI

dailyhunt DATAWEAVE deel. DELL Deloitte. egov. FOUNDATION ERICSSON

EXL Flipkart Google harness HSBC HyperNorm AI

IBM infineon Infosys intel JPMorgan Chase & Co. KPIT kotak

MathWorks MEDIATEK mercari MERCK Micron Microsoft

MOBISY Morgan Stanley Move inSync Multiplier natoma NetApp

Next.Education Neuron7.ai novo nordisk NVIDIA Optimized ELECTROTECH ORACLE

omnissa onsemi ORCHESTRO AI outdu sense and response outmarket PEGA PORTER

PURESTORAGE Qualcomm RENESAS RingCentral rubrik

SAMSUNG scapia SCIENAPTIC servicenow SIEMENS SWIGGY

FULL TIME RECRUITMENTS

Company Name	Students Recruited
CSG	5
Wadhwani AI	2
HSBC	1
CAGS	1
eGov	1
Deel	2
Visa	5
Omnissa	4
IBM	21
Novo Nordisk	1
Texas Instruments (SDE)	4
Next Education India	1
Adobe	3
Cisco	6
Wells Fargo	6
Uber	2
LightMetrics	4
Micron	1
Walmart	2
Natoma Labs	1
Qualcomm	20
Google	7
RingCentral	6
Amazon	5
Microsoft Research	2
Merck	1
Microsoft	1
Axtria	9
Mediatek	13

Applied Materials	1
NetApp	16
Ciena	4
Oracle	8
Rubrik	1
Morgan Stanley	2
Pure Storage	2
Dell	8
MathWorks	5
Flipkart	5
Scapia Cards	2
SAI Group	3
Optmised Electrotech	2
Urban Company	4
Dailyhunt	2
Outmarket AI	1
Traceable AI	1
Analog Devices	3
Neuron7.ai	4
Nvidia	6
Synopsys	3
Mercari	1
Arista Networks	3
Renesas	6
Dell Hardware	1
Porter	2
Texas Instruments	3
Kotak	4
Infosys	1
Cohesity	4
Western Digital	4

EHRC	1
Mobisy	2
Micron (MTech)	7
Samsung	2
American Express	4
COSS	1
ExL Services	2
Cerebras	2
Thelios	2
Dataweave	1
CRIS	1
Pega Systems	4
Swiggy	2
NHPC	1
A4I	1
UseReady	1
Outdu	2
Tesco	2
ConcertAI	1
CTRI-DG	1
Deloitte	1
Multiplier	1
ServiceNow	1
JP Morgan and Chase	1
StoryDarpan	1
Ampere Computing	2
Guidewire	1
Intel	2
Onsemi	1

INTERNSHIP RECRUITMENTS

Company Name	Students Recruited
CSG	2
Posterwa	2
Wadhwani AI	2
HSBC	3
eGov	5
Deel	2
Visa	6
Flipkart	6
IBM	21
Novo Nordisk	1
Texas Instruments (SDE)	2
Deel (Internship)	1
Adobe	2
Cisco	6
Traceable AI	2
Amazon	18
Uber	2
Micron (iMTech)	2
Walmart	2
Natoma Labs	2
Augnito.ai	1
Scienaptic AI	2
RingCentral	6
Mediatek	13
Bosch	2
NetApp	19
Ciena	6
Mercari	3
Axtria	7
Rubrik	1

Pure Storage	4
AMD	2
Dell	8
MathWorks	5
Cerebras	3
Morgan Stanley	4
Girnar (On Campus)	3
Wells Fargo	1
Circana	1
Siemens	4
Optmised Electrotech	2
Urban Company	4
Dailyhunt	2
Outmarket AI	1
Thrillathon	1
Bosch Research	1
Big Basket	2
Analog Devices	6
Qualcomm	8
Ericsson	4
Nvidia	8
Amazon Applied Science	7
Infineon	2
Scapia Cards	1
Samsung	7
Microsoft Research	1
Intel	9
Arista Networks	3
Porter	2
Texas Instruments	5
Pega Systems	6
Swiggy	7

Hypernorm AI	2
Western Digital	4
Mobisy	2
Micron	5
Multiplier	1
American Express	4
Dataweave	1
Incadea	1
CRIS	1
KPIT	3
Amazon Embedded Systems	4
Clinchoice	1
UseReady	3
MoveInSync	2
Neuron7.ai	1
Angel One	1
Outdu	3
JP Morgan and Chase	2
Nvidia (Software)	2
Synopsys	1
Orchestro.ai	1
ServiceNow	1
Tech Mahindra	1
StoryDarpan	1
Schneider Electric	1
Girnar	1
Ampere Computing	3
Guidewire	1
Fyllo	1
Global Foundaries	1

SUMMER INTERNSHIP RECRUITMENTS

Company Name	Students Recruited		Company Name	Students Recruited
Adobe	1		Goldman Sachs	1
Adobe MDSR	1		IBM IRL	1
Axtria	2		KPIT	1
Cisco	5		Media.net	1
Dataweave	1		Outmarket AI	2
Flipkart	2		Regeneron	1
Google SWE	3		Siemens	2
Intuit	2		Siemens Technology Team	2
Microsoft	1		Tally Solutions	1
Morgan Stanley	3			
Nium	2			
Oracle	8			
Qualcomm	7			
Texas Instruments	3			
ThoughtSpot	2			
Visa	8			
Walmart	3			
Wells Fargo	9			
Amazon	6			
Siemens Technologies	1			
AXA XL	2			
Bosch Global Software	2			
Bosch R&D	1			
Cricenter AI	1			
Deel	2			
DP World	1			

IN FOND REMEMBRANCE

Prof. Mendu Rammohan Rao
Passed Away on May 24, 2025

Prof. Mendu Rammohan Rao was a valued member of IIIT-Bangalore's General Body and one of the seven founding signatories of IIIT-Bangalore. His unwavering support and invaluable contributions were instrumental in shaping the institute from its very inception. IIIT-B remains profoundly grateful for his dedicated service.

Mr. Divyansh Singhal (IMT2021522)
Passed Away on December 07, 2024

IIIT-B deeply mourns the untimely passing of Mr. Divyansh Singhal, a student of the iMTech 2021 batch. His sudden demise has left the entire IIIT-B community in profound shock and sorrow. Our heartfelt condolences went out to his family and friends during this incredibly difficult time. As we come to terms with this loss, we remember and honour Divyansh's spirit, and the mark he left on all who knew him.

International
Institute of Information
Technology Bangalore

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IIIT-B IN THE NEWS

RESEARCH

RIGOR

RELEVANCE

Industry, Academia and Government Synergy Disentangling Societal Challenges

Roopalatha H, Correspondent

Tackling the needs of **underserved communities** presents a complicated and diverse challenge that demands cooperation from multiple parties. By recognizing the **systemic obstacles** and partnering to foster a more **equitable and inclusive society**, we can enhance the lives of the most vulnerable individuals and create a more robust, resilient future for everyone.

Microsoft and International Institute of Information Technology Bangalore (IIIT-B) launched A4I - the AI Innovation and Inclusion Initiative, a collaborative effort aimed at advancing the use of AI to create inclusive, impactful and scalable solutions for the underserved communities. AI has great potential to create significant change, particularly in sectors like healthcare, education, and accessibility. Microsoft and IIIT-B collaborate closely through this initiative to establish a framework for partnerships and on-going

Digital Technologies Are Dawning a New Era in the Education Sector

Dr. Debabrata Das, Director, IIIT-Bangalore (IIIT-B)

So far, 26 nations have embraced it to establish digital identity systems for their citizens and already 130 million identity cards have been issued. Over time, from these 26 countries, approximately one billion individuals will benefit from the digital public services through the use of MOSIP. This initiative is set to revolutionize the education and other sectors.

Moreover, platforms such as Diksha from eKstep foundation have also received approval from the CBSE, GoI, in education. **Utilizing technologies** like MOSIP and Diksha, we are bridging the gaps between identity of a student and the dissemination of knowledge digitally within educational systems.

Prior to IIIT-Bangalore, Dr. Debabrata Das worked at the G S Sanyal School of Telecommunication at IIT Kharagpur and subsequently at Kirana Networks in New Jersey, USA. He holds the position of Project Officer for the National Mission for Interdisciplinary Cyber Physical Systems, focusing on Advanced

Tell us about the impact of emerging

IIIT Bangalore inaugurates K-VLSI PG diploma cohort 2; 144 students selected

Vaishnavi Shukla | March 11, 2025 | 07:56 PM IST | 2 mins read

IIIT Bangalore: The K-VLSI PG programme received over 3,000 applications from across 40 cities and students were selected based on written exam and interviews.

'I AIM TO INSTIL THE VALUES OF HONESTY & INTEGRITY IN EVERY STUDENT'

As we step into 2025, my resolution is to remain unwavering in my commitment to empowering youth and nurturing their potential to shape a future defined by innovation, integrity, and purpose. I will focus on fostering an environment where research thrives—not as an academic pursuit, but as a transformative force that tackles the challenges of our time. I aim to instil the values of honesty and integrity in every student, believing that character is as vital as competence in shaping tomorrow's leaders.

By leading by example, I hope to inspire students to adopt these principles as the foundation for their personal and professional journeys. My passion for research will drive me to bridge the gap between knowledge and application, ensuring our work meaningfully impacts society. In 2025, I strive not only to uplift the institution but also to leave a lasting mark on the lives of my students, helping them become innovators, ethical leaders, and responsible citizens of a brighter future.

Prof. Debabrata Das, Director, IIIT-Bangalore

IIIT-Bangalore Signs Agreement with Indian Air Force for Technology Development

Prof. Debabrata Das, Director, IIIT-B and Air Vice Marshal Raman Guruhari, Commandant SDI along with Group Captain Sandeep Debnath, Chief Software Engineer and Commodore SR Sridhar(Retd.), Registrar IIIT-B at the SoW signing ceremony.

BWEDUCATION

Trends In Higher Education In 2024 And Hopes For 2025

Prof. Debabrata Das | Jan 15, 2025

#Higher Education   #Hopes For 2025

Looking ahead, higher education will evolve to challenge traditional norms, empowering students to create, innovate, and solve future challenges. It will be more holistic and preparing individuals to thrive in an interconnected, complex world

The landscape of higher education has undergone a profound revolution, evolving from traditional didactics to a dynamic, skill-focused ecosystem. As Confucius wisely stated, "I hear and I forget, I see and I remember, I do and I understand." This ancient insight has found new relevance in the found of modern higher education. We are witnessing a shift toward **experiential, heuristic learning**, students engage, explore, and innovate to solve complex problems and contribute to society.

Microsoft and IIIT-Bangalore Launch "A4I – the AI Innovation and Inclusion Initiative"

By NE Reporter on April 28, 2025

BENGALURU:
Microsoft and the International Institute of Information Technology Bangalore (IIIT-B) today announced the launch of A4I – the AI Innovation and Inclusion Initiative, a collaborative effort aimed at advancing the use of artificial intelligence (AI) to create inclusive, impactful, and scalable solutions for underserved communities.

AI holds immense potential to drive meaningful change, especially in areas such as healthcare, education, and accessibility. However, for these technologies to truly benefit society, they must be designed with intentionality and inclusiveness and supported through sustainable partnerships. A4I is rooted in this belief.

Through this initiative, Microsoft and IIIT-B will work closely to build a framework for partnerships and sustained scaling and support. This framework will help scale innovations already developed and tested by Microsoft into widely accessible Digital Public Goods (DPGs). The goal is to foster an ecosystem that nurtures AI-driven innovations for long-term societal impact.

IIIT-Bangalore hosts RISE, showcasing innovation and emerging tech

The Hans India
Hans News Service | 28 Feb 2025 7:45 PM IST

HIGHLIGHTS

The International Institute of Information Technology, Bangalore (IIIT-B) hosted the 8th edition of RISE (Research Innovation, Society, and Entrepreneurship) 2025, offering an engaging platform for research, innovation, and collaboration

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THE NEW INDIAN EXPRESS

IIIT-B celebrates graduation of 372 students

EXPRESS NEWS SERVICE
@Bengaluru

THE International Institute of Information Technology Bangalore (IIIT-B) marked its 25th annual convocation on Sunday, celebrating the graduation of 372 students from across five academic programmes. The graduates included 142 students from the Integrated Master of Technology (iMTech) programme, 192 from the Master of Technology (MTech) programme, 12 from the Master of Science in Digital Society, 10 from the Master of Science by Research, and 16 PhD scholars.

Three institute gold medals, along with several other academic and merit-based awards, were presented to outstanding students.

Valipireddy Pranathi walked away with two prestigious honours: the institute gold medal in MTech and the Visvesvaraya

Scholarship Award. "I had software job offers after my BTech, but my heart was always in core electronics," she said. "With constant push from my professors, unwavering support from family and friends, and a desire to keep growing, I'm proud to graduate with a 4.0 CGPA."

Bengaluru girl Sookthi Bhat Kav won a gold medal in MSc Digital Society. "Coming from a

History background, I never imagined this. But IIIT-B showed me that tech is also about people and power. My thesis explored how UPI impacts inclusion and surveillance. This win is for all social science voices in tech."

"I was probably one of the last to make it into IIIT-B," recalled Monjoy Narayan Choudhury, the iMTech CSE topper

and Google-bound graduate from Guwahati, who also got the Visvesvaraya Scholarship Award. "From struggling in science as a kid to switching streams and publishing AI research, I wanted to prove that people like me, from the Northeast, belong here too."

For Chaitanya Manas, who was named Student of the Year, the key was consistency and involvement.

"You can't plan for an award like this. I just showed up at debate club, TEDx, council work, and still kept my grades up. It still feels surreal."

Quietly working behind the scenes, Anshul Akhilesh Madurwar earned the Late Shri N Ramarao Medal for All-Rounder of the Year. "I'm not the loudest person. But I kept pushing quietly, eight papers, assistive tech, global collaborations. This medal means everything."

From left: Sookthi Bhat Kav, Monjoy Choudhury, Valipireddy Pranathi and Chaitanya Manas take the top honours at the 25th annual convocation of IIIT-B on Sunday | EXPRESS

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COURSES   NEWS   AUTHOR

ICVGIP 2024: IIIT-Bangalore Hosts Premier Event in Computer Vision

BY TEAM   DECEMBER 11, 2024

Bengaluru, December 11, 2024: International Institute of Information Technology Bangalore is hosting a prestigious conference, "Indian Conference on Computer Vision, Graphics and Image Processing 2024 (ICVGIP 2024)", from December 13 to 15 at IIIT-Bangalore. This is considered a prestigious conference in the area of Computer Vision, and its parent organization is IUPRAI (Indian Unit of Pattern Recognition and Artificial Intelligence).

The Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP) is India's premier conference in Computer Vision, Graphics, Image Processing and related fields. Starting in 1998, it was a biennial international conference till 2021, providing a forum for the presentation of technological advances and research findings in these areas. ICVGIP 2024, the 15th conference in this series, is being organized by IIIT-Bangalore in association with the Indian Unit for Pattern Recognition and Artificial Intelligence (IUPRAI), an affiliate of the International Association for Pattern Recognition (IAPR). ICVGIP is being held annually from 2022 due to the huge growth in the community. ICVGIP is dedicated to fostering the community of computer vision, graphics and image processing researchers and enthusiasts in India and abroad. We strive to live up to this goal at every occurrence of this annual conference.

Over 300 participants from both Industry and Academia are expected to attend ICVGIP 2024 this year. The IUPRAI (Indian Unit of Pattern Recognition and Artificial Intelligence) Doctoral

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IIIT-B to host two-day computer vision conference

NT Correspondent
Bengaluru

The International Institute of Information Technology Bangalore (IIIT-Bangalore) is set to host the Indian Conference on Computer Vision, Graphics and Image Processing 2024 (ICVGIP 2024) from December 13 to 15. Recognised as India's premier conference in the fields of computer vision, graphics, and image processing, this event is organised in association with the Indian Unit for Pattern Recognition and Artificial Intelligence (IUPRAI), an affiliate of the International Association for Pattern Recognition.

The 15th edition of the conference is expected to attract over 300 participants from academia and industry. It provides a platform for researchers, practitioners, and enthusiasts to present advancements and share insights.

A highlight of the conference is the IUPRAI Doctoral Dissertation Award, recognising outstanding research in computer vision, graphics, image processing, and pattern recognition.

Silver jubilee success: IIIT-Bangalore graduates land record placements

IIIT-B's 25th convocation celebrated academic excellence with a student bagging a Rs 1.45-crore package, while unveiling ground-breaking initiatives and reaffirming its global leadership in Digital Public Infrastructure

Bhavana M | NT
Bengaluru

The International Institute of Information Technology Bangalore (IIIT-B) marked a significant milestone with its 25th Silver Jubilee Convocation.

The event, held on the serene campus, celebrated the graduation of 372 students from a diverse range of programmes.

This included 142 graduates from the Integrated Master of Technology (iMTech) programme, 192 from the Master of Technology (MTech) ... ordinary talent and dedication", Prof. Debabrata Das congratulated. "Their journey includes significant victories in global hackathons, impactful research on international platforms, and securing competitive scholarships and grants. Several students have even secured patents, a testament to their drive for real-world innovation."

Esteemed guests included Chief Guest Prof. Govindan Rangarajan, Director of IISc Bangalore, and Guest of Honour Dr. Venkat Padmanabhan, Managing Director of Mi... celebrations, IIIT-Bangalore announced ground-breaking initiatives, reaffirming its leadership in tries, issuing over 136 million IDs.

"We are proud that MO-SIP, developed in India, now empowers 135 million people across 27 countries," said Prof. Debabrata Das, Director of IIIT-Bangalore.

"IIIT-B leads innovation in open digital systems with MOSIP, OpenG2P, CDPI, and the Centre for Open Societal Systems (COSS), delivering scalable Government-to-Public solutions worldwide."

MOSIP, poised to impact nearly one billion people, has earned international recognition, including

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'Bengaluru in a good position to become the deep-tech hub of the country'

Dr. Lakshmi Jagannathan, CEO at the Innovation Centre of IIIT-B, believes that incubation does not happen inside the four walls of an incubator, but outside where connections are built

Updated - January 06, 2025 09:36 am IST - Bengaluru

SHILPA ELIZABETH

IIIT-B Incubation Centre. | Photo Credit: SPECIAL ARRANGEMENT

The International Institute of Information Technology-Bangalore (IIIT-B) has been at the

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Smart farming: Agriculture with AI-powered automation

Researchers develop AutoGrow, automated system that simplifies farming, addresses water scarcity and labour shortages, & makes it accessible to all

Ifrath Fathima
Ifrath.Fathima@timesofindia.com
TWEETS @BangaloreMIRROR

A team of researchers in the city have developed an innovative farming system called AutoGrow, designed to revolutionise agriculture through artificial intelligence (AI) and machine learning (ML). This fully automated system enables plants to grow with minimal human intervention, offering a sustainable and efficient solution for areas facing water scarcity and labour shortages.

AutoGrow is built around the principle of wick irrigation, a method that reduces water usage by up to 40% compared to traditional drip and flood irrigation systems. It features three configurations: vertical setups, nutrient film techniques, and open-grow farming. "We are conducting case studies in these setups to analyse plant growth and other factors, all of which are controlled and monitored through an AI and ML-powered analysis engine," explained Pavan Patil, GM Lab-Admin at the Institute of Information Technology Bangalore (IIIT-B).

The team includes Pavan Patil, Phani Pavan (MS by Research), and Professor Ramesh Kestur from the Department of Data Science and Artificial Intelligence (DSAI), IIIT-B. They aim to empower individuals, especially women, to take up farming in their backyards and terraces, enabling them to grow leafy vegetables like lettuce with ease. AutoGrow is completely automated, requiring minimal human effort. "Once the

> **Once seeds are sown, system takes care of process, from watering to nutrient delivery. AI notifies when crops are ready**
> — Pavan P, IIT-B

seeds are sown, the system takes care of the entire process, from watering to nutrient delivery. The AI-powered system notifies users when the crops are ready for harvest. This makes it highly beneficial in water-scarce areas and regions with labour shortages," Patil said.

The system is equipped with an AI and ML-powered analysis engine that collects and analyses data from sensors installed in the setups. "We have uploaded predetermined data to the analysis engine, and it is now in the process of analysing it. This data-driven approach helps the system make decisions, such as open- ing and closing water valves automatically," Patil added. The team has already achieved significant milestones. "We have grown two sets of lettuce leafy vegetables using the system," Patil confirmed. Auto-Grow's patented technology ensures its uniqueness and protects it from duplication. "It's already patented, and nobody can copy it. We are now progressing toward gathering more data to improve the analysis engine," Patil explained.

Setting up the system is quick and straightforward, requiring just three days if all equipment is available. The growth period for plants depends on their specific requirements, making the system versatile for different crops. It is particularly ideal for home gardens and urban farming, where individuals can grow their fresh produce.

The technology holds immense potential for transforming agriculture. By automating irrigation, nutrient delivery, and monitoring, AutoGrow minimises resource use while maximising yields. The system is user-friendly, allowing anyone to farm without prior expertise. "The AI and ML programs stored in the analysis engine analyse data and make decisions, ensuring optimal plant growth," Patil added.

The researchers pointed out that AutoGrow not only addresses critical challenges like water scarcity and labour shortages but also encourages sustainable practices and urban farming. With its simplicity and efficiency, the system can make farming accessible to everyone, empowering communities to cultivate their own fresh and healthy produce.

AutoGrow encourages sustainable practices and urban farming

IIIT-B and Nokia Collaborate to Advance Research and Skill Development

By: Editorial Desk

— March 7, 2025 in Education, Partnerships & Acquisitions, Technology, Telecom   Reading Time: 2 mins read

Three-day conference at IIITB

The Hindu Bureau
BENGALURU

The 15th Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP), the country's premier conference in the sector, will be held at the International Institute of Information Technology Bangalore (IIITB) from December 13 to 15 in association with the Indian Unit for Pattern Recognition and Artificial Intelligence, an affiliate of the International Association for Pattern Recognition.

Over 300 participants from both industry and academia are expected to attend 'ICVGIP 2024'. Academics from countries such as the United States and Germany along with those from top Indian institutions will be speaking at the event.

IIITB will also be hosting the 29th annual International Conference on Advanced Computing and Communications (ADCOM 2024), a flagship event from December 18 to 20. "This year's conference will focus on a 'Responsible AI' framework for developing AI safely and ethically, emphasising fairness, transparency, accountability, privacy, and safety," said a press release from IIITB.

ಆಟಿಸಂ ಪತ್ತೆಗೆ 'ಕಂಪ್ಯೂಟರ್ ದೃಷ್ಟಿ'

Education TIMES
THE PATH TO EXCELLENCE

PMRF 2.0 proposes inclusion of more institutions for broad research talent pool

Focus is on supporting potential scholars by facilitating admission to PhD programmes, which are well-equipped to provide the necessary resources and opportunities for research and innovation

The Hans India

IIIT-B hosts patent workshop to boost academic innovation

The workshop was to empower students, faculty, and innovators with practical knowledge on patenting research and fostering innovation

HANS NEWS SERVICE
BANGALORE

In a decisive move to enhance the intellectual property capabilities of Karnataka's academic community, the International Institute of Information Technology Bangalore (IIIT-B) hosted a one-day workshop titled "Patent Proficiency for Academic Innovators."

The session was held in collaboration with Startup Karnataka and the Department of IT, BT, Government of Karnataka.

Organised under the New Age Innovation Network (NAIN) 2.0 programme, the workshop aimed to empower students, faculty, and innovators with practical knowledge on patenting research and fostering innovation.

Distinguished guests, including Nithin Chakki, KAS, General Manager, KITS; Cmd. Sridhar, Registrar, IIIT-B; Prakash Balekundri, CEO, Uniqxe Patent Solutions; and Dr. Lakshmi Jagannathan, CEO, IIIT-B Innovation Centre, delivered keynote addresses underscoring the importance of intellectual property rights (IPR) in the academic innovation pipeline. The workshop featured in-depth discussions on identifying patentable ideas, navigating the filing process, and enhancing patent quality.

Attendees gained actionable insights on transitioning research projects from ideation to intellectual property, with real-world use cases and expert guidance offered throughout the session.

THE TIMES OF INDIA

From autism detection to AI tutors, IIIT-B grads explore social impact of technology

Bengaluru: At the 25th annual convocation of the International Institute of Information Technology (IIIT-B) on Sunday, top graduates looked at the future of artificial intelligence (AI) and machine-learning (ML) in healthcare and education, and effective chip designing to make smaller devices faster.

The ceremony saw 372 students graduate from the institute. Monjoynarayan Choudhury, one of the gold medallists in Integrated Master of Technology (IMTech), told TOI, "I plan to pursue research in AI/ML, eventually. I'm placed at the moment in Google as a software engineer. I see potential in using AI/ML as assistive tech with human intervention — from screening for mental health considering the poor doctor-patient ratio, to personalising education to the pace of the student."

Riddhi Chatterjee, another gold medallist in IMTech, said, "I'll be helping streamline processes at contact centres (call centres) using AI/ML and plan further her studies in the domain. AI

CORE SKILLS STILL VITAL, SAYS DIRECTOR

IIIT-B director Debabrata Das agreed that the highest salaries go to AI/ML-equipped students, but added that core skills are needed too. "Now 20% of employers ask for skills from advanced courses — AI, ML, etc. But they too are asking for it in addition to domain knowledge, coding knowledge, and your analytical skills."

In the backdrop of the silver jubilee convocation ceremony at the institute, Das added that IIIT-B's Digital Public Infrastructure is now deployed in over 60 countries, and its flagship MOSIP (Modular Open Source Identity Platform) — a secure, open-source digital ID platform — is in 27 countries,

and will cater to nearly one billion people by 2026. Besides, the institute is nominated as the Lead Knowledge Institution (LKI) by NITI Aayog for evidence-based policy interventions. Also, in partnership with Microsoft Research, the AI Innovation and Inclusion initiative (A4I) has been rolled out to 1,000 govt school teachers in Karnataka to better pedagogy

the theory, you're definitely going to be hands-on.

"If you want to really do something great in ML, you have to know the basics of it — the maths behind it. Only then can you build something meaningful. Otherwise, it will just be a model that takes in garbage and outputs garbage," he added.

AI is in every field now, he added, pointing to healthcare, construction, education with AI-based tutors, and autonomous driving where reinforcement learning is used. "I want to carry forward my research and activities in computer vision as well — I worked on a project to detect autism, analysing video of the person doing social task. Computer vision, in general, is where my interest lies," said Chatterjee.

Anshul Madurwar, a gold medallist in IMTech, is part of the team that got the patent for a system and method for assisting the visually impaired with a mouse that has a Braille device installed on it.

has the potential, and one must refrain from the hype and delve deeper into the theoretical aspects — that is where the actual beauty of AI lies. So if you can master

ವಿದ್ಯಾರ್ಥಿಗಳು ಉದ್ಯೋಗಾವಕಾಶ ಪಡೆಯಲು ಆತ್ಯುತ್ತಮ ಶೈಕ್ಷಣಿಕ ಕಾರ್ಯಕ್ರಮಗಳು

ಬೆಂಗಳೂರು, ಮೇ

29 - ಉನ್ನತ ಶಿಕ್ಷಣ ಮತ್ತು ಸಂಶೋಧನೆಯಾದ ಪ್ರಮುಖ ಸಂಸ್ಥೆಯಾದ ಬೆಂಗಳೂರಿನ ಅಂತರಾಷ್ಟ್ರೀಯ ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಸಂಸ್ಥೆ (ಐಐಐಟಿ-ಬಿ), ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಪಟ ಮತ್ತು ಸಂಬಂಧಿತ ಕ್ಷೇತ್ರಗಳಿಗೆ ಅಗ್ರ ವಿಂಧ ಅತ್ಯುತ್ತಮ ಶೈಕ್ಷಣಿಕ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ನೀಡುತ್ತದೆ.

ಮಂಡಲೀಯ ಸಿಎಸ್ಇ ಮತ್ತು ಇನ್ಫಿಯಲ್ಲಿ ಇಂಟಿಗ್ರೇಟೆಡ್ ಎಂ.ಟೆಕ್ ಮತ್ತು ಸಿಎಸ್ಇ, ಡಿಎಸ್ ಮತ್ತು ಎಐ ಡಿಎಸ್ಸಿಯಲ್ಲಿ, ಐ.ಟೆಕ್ ಬಲವಾದ ಶೈಕ್ಷಣಿಕ ಅಡಿಪಾಯ ಮತ್ತು ಭವಿಷ್ಯ-ಆಧಾರಿತ ಶೆಲ್ಗಳನ್ನು ಒದಗಿಸುತ್ತದೆ ಎನ್ನುತ್ತಾರೆ ಡಾ. ಮುರಳೀಧರ ಪಿ ಎಸ್, ಅಸೋಸಿಯೇಟ್ ಪ್ರೊಫೆಸರ್, ಸಿಎಸ್ಇ ವಿಭಾಗ, ಐಐಐಟಿ ಬೆಂಗಳೂರು ಇವರು.

ಏವಿಧ ಪ್ಯಾಕೇಜುಗಳೊಂದಿಗೆ ಸುಸಜ್ಜಿತ, ವೃತ್ತಿ ಮತ್ತು ಸಂಶೋಧನೆಗೆ ಸಿದ್ಧವಾಗುವ ಪದವೀಧರರನ್ನು ಉತ್ಪಾದಿಸಲು ವಿದ್ಯಾಸಂಸ್ಥೆಯಾಗಿದೆ.

ಎ.ಟೆಕ್ ಮತ್ತು ಎಂ.ಟೆಕ್ ಕ್ರಮವಾಗಿ 4 ವರ್ಷ ಮತ್ತು 5 ವರ್ಷಗಳ ಕೋರ್ಸ್ಗಳಿವೆ, ಜೀವ ಆಗ್ಲೇಶ ಆಧಾರದ ಮೇಲೆ 11 ನೇ ತರಗಟಿಯ ನಂತರ ಪ್ರವೇಶ ನೀಡಲಾಗುತ್ತದೆ.

ನಿಮ್ಮ ಇಷ್ಟಾಪತ್ರಿಯಲ್ಲಿ ಎಂದು ಖಾಚಪಡಿಸಿಕೊಂಡು, ವಿದ್ಯಾರ್ಥಿಗಳ admissions2025iiitb.ac.in ಸಂಪರ್ಕಿಸಲು ಕೋರಲಾಗಿದೆ. ಸಂಪರ್ಕಿಸಲು ಕೋರಲಾಗಿದೆ.

From the farmlands: Why agri-tech might need a different approach to boost innovations

IIIT-B, a premier research deemed university in Bengaluru, has been developing a host of projects with the idea of introducing higher efficiency in agricultural processes

Shilpa Elizabeth
BENGALURU

Innovations in the agriculture space estimated to be around $24 billion, have barely scratched the surface given the myriad challenges such as low market adoption, high customer acquisition cost, lukewarm investor interest, high infrastructure costs, and more.

Remote Compost Monitoring for sustainable agriculture. SPECIAL ARRANGEMENT

Campuses take to recycling water, teach students sustainability

Vindhya.Pabolu@timesofindia.com

MANY BENEFITS: The sewage treatment plant at Kristu Jayanti College also serves as a learning experience for students

BWSSB plans to set up 17 new STPs in city

— Nithya Mandyam

PRESS RELEASE

IIIT-B Innovation Centre and BCIC Host a Landmark MSME-Startup Interaction in Collaboration with PIA

CXOtoday News Desk   2 weeks ago

IIIT-B Innovation Centre, in partnership with the Peenya Industrial Association (PIA) and the Bangalore Chamber of Industry and Commerce (BCIC), organized a transformative MSME-Startup interaction as part of the Smart Manufacturing & Industry 4.0 Acceleration Program. The event, held at the PIA premises, brought together an esteemed panel including:

Mr. Devarajan, Senior Vice President, TVS

Mr. ShivKumar, President, PIA

Dr. Lakshmi Jagannathan, CEO, IIIT-B Innovation Centre

Dr. Balasubramanyam, Former President, PIA

The interaction provided opportunity for startups to pitch their innovative solutions to MSMEs and the PIA leadership. This initiative aims to foster collaboration and unlock the untapped synergies between startups and MSMEs. Startups often bring cutting-edge technology, innovation, and agility, which can greatly benefit MSMEs by

International Institute of Information Technology Bangalore

ज्ञानमुत्तमम् : Chapter 14, Bhagavad Gita, Verse 1

श्रीभगवानुवाच :-

परं भूय: प्रवक्ष्यामि ज्ञानानां ज्ञानमुत्तमम् |

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