



International Institute of
Information Technology Bangalore



ANNUAL REPORT 2020-21

Foreword from the Director



Prof. Debabrata Das
Director, IIITB

Keeping Commitments Above Constraints

Whilst IIITB was peering through the fog of uncertainty imposed by the COVID-19 pandemic, it was evident that in this unprecedented new reality, a dramatic restructuring of Teaching-Learning will have to happen.

In the bygone year, it was indeed heartening to see the entire campus community rallied together. Perhaps most importantly, the COVID-19 crisis made the Institute to remain relevant and impelled the campus administrators to involuntarily reinvent the learning environment so that digitalisation expands and complements student-teacher and other relationships. The manner in which the pandemic is heaving, it appears that the integration of information technology in education will be further accelerated and that online education will eventually become an integral component of higher education. Research and Innovation actually received a boost in terms of outcomes albeit Work From Home became the new normal for research scholars.

The efforts of all stakeholders during the pandemic demonstrated that Education is a shared commitment between dedicated teachers, motivated students and enthusiastic parents with high expectations.

IIITB indeed rose to the occasion to keep commitments above constraints. This year's Annual Report captures these commitments in action.



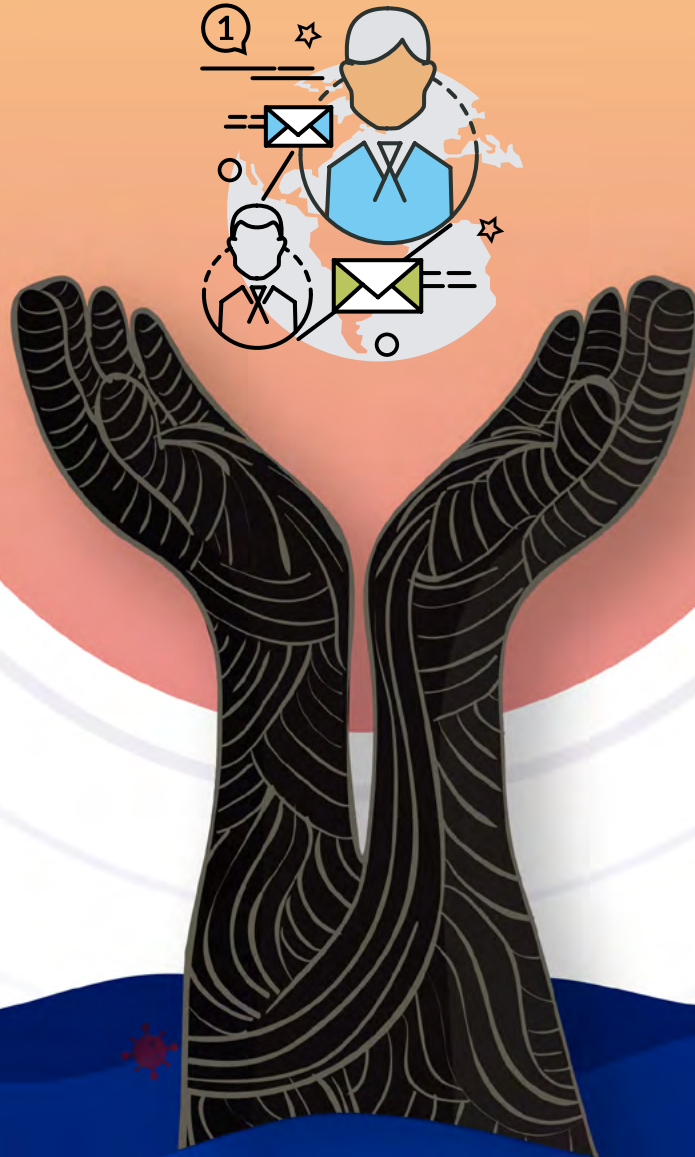
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1.CHANGE OF LEADERSHIP



Prof. Sadagopan retired as Director turning the helm over to Prof. Debabrata Das

Since its inception, Prof S Sadagopan till the day of his retirement has been at the helm and instrumental in leading the Institute towards excellence. His tenure with IIITB marks an entwining legacy that is inseparable from each other. On July 4 2021, he handed over his duties to Prof. Debabrata Das.



As the Founding Director of IIIT-Bangalore, Prof. Sadagopan has been involved in the visioning and execution of this new generation Institute that has emerged as a Top Class Institute in India addressing all aspects of IT - Education, Research, Innovation and Entrepreneurship. He had to recruit top-rated faculty, plan courses to attract high-quality students and build the infrastructure as well as systems and processes to keep the institute on top - all these from Day 1 (June 3, 1999) till his day of retirement. In less than 20 years, IIIT Bangalore emerged as one of the Top-tier Post Graduate Schools in India and graduated more than 3,600 Masters and Doctoral students. He along with faculty and staff was also instrumental in creating 60+ start-ups, written hundreds of scientific papers for journals.



Prof. Debabrata Das to Lead as IIITB's New Director

Prof. Debabrata Das was appointed as the Director Designate of IIITB on June 30, 2021 and he took over as the new Director on July 4, 2021.



With 21 years of professional experience, Prof. Das joined IIITB as an Assistant Professor in 2002 and grew to the role of Director. Prof. Das also acquired administrative experience while working as the Dean of Academics and R&D from 2014 to 2017. In his new role, he would work closely with IIITB's faculty, Board of Directors and the larger set of stakeholders to further the Institute's teaching and research, facilitate student and faculty exchange, as well as enable delivery of innovations in partnership with India's leading organisations.

Prof. Das was selected by a Search-cum-Selection committee constituted by the Governing Body of IIITB after taking into account his consistency in achievements, expertise and experience with a proven track record in the areas of academia, administration and industry connect. He will be responsible to lead the Institute in its next phase of growth. In addition to this, his focus will be on bringing together best-in-class research teams, driving partnerships with the Government and industry as well as enhancing IIITB's international presence.



Prof. Debabrata Das

Director,
International Institute of Information Technology Bangalore



Dr. Debabrata Das is the Director of IIIT Bangalore. Prior to assuming the role of the Director, he served 3 out of the 19 years at IIITB as the Dean of Academics and R&D, and worked at the G S Sanyal School of Telecommunications, IIT Kharagpur, and at Kirana Networks in New Jersey, USA for over 2 years before joining IIITB.

Areas of expertise and contributions to the industry:

With expertise in the areas of telecommunications and technology, Dr. Das closely works with the Department of Science and Technology, Government of India, as the Principal Investigator (PI) and Chairs projects in the areas of Advanced Communication Systems under the National Mission for Interdisciplinary Cyber Physical Systems. Dr. Das has also served as the PI for several projects from Intel, Hewlett Packard, Microsoft, Motorola Research and Nokia in the areas of Broadband Wireless MAC/QoS/Energy-saving IMS.

Dr. Das and his team have provided significant contributions to the wireless broadband standards. He has more than 185 peer reviewed papers in various Journals and at International Conferences, and has received 6 'Best Paper' awards for his research. He owns 3 US-Indian patents and 12 patent applications are currently under review.

Awards and achievements:

Dr. Das has received the 'Prof. K. Sreenivasan Memorial Award, 2017' from IETE, for outstanding teaching in the areas of telecommunication engineering. He is also the recipient of several honours and awards including, the 'IEEE Region-10 Outstanding Volunteer Award 2020', the 'Global IEEE MGA Achievement Award 2012', and the 'Outstanding Volunteer Award IEEE Bangalore Section 2008'. Dr. Das has been endowed as the 'Hewlett Packard Chair Professor' in IIITB. He is a Fellow-IETE, IE and SM-IEEE. He is the 'Chair-Elect 2021' of the IEEE India Council and was also the 'Chairman of IEEE Bangalore Section' in 2017. Dr. Das serves as a member of Governing Boards and Board of Studies of several institutes and also on various technical, steering, and empower committees of the Government of India and Government of Karnataka.

Educational background:

Dr. Das received his PhD from the Indian Institute of Technology, Kharagpur. His research interests include Medium Access Control Protocol for Energy Saving, QoS for Wireless Access Networks, IoT, IP Multimedia Subsystems, and Mobile Computing.

2.GOVERNING BODY



Governing Body Members



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



Prof. S Sadagopan
Director (upto July 4, 2021),
IIIT Bangalore



Prof. Debabrata Das
Director (from July 4, 2021),
IIIT Bangalore



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



Mr. I S N Prasad, IAS
Additional Chief Secretary,
Government of Karnataka



Mr. K S Viswanathan
Vice President (Industry Initiatives),
NASSCOM



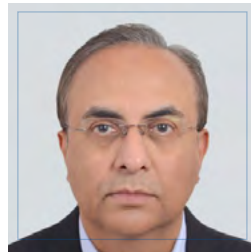
Prof. Pankaj Chandra
Chairman, Board of Management,
Ahmedabad University



**Mr. R Chandrashekhar, IAS
(Retd.)**
Former President, NASSCOM



Mr. Uday Hegde
Co-founder & CEO,
USEReady



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



Ms. Nivruti Rai
General Manager,
Intel India



Prof. AnnaLee Saxnian
Dean of the School of Information
University of California, Berkeley



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



Dr. E.V. Ramana Reddy, IAS
Additional Chief Secretary,
Government of Karnataka



Mr. Gururaj Deshpande
Chief Operating Officer,
EdgeVerve Systems
(an Infosys company)



Dr. Ajay Kumar, IAS
Defence Secretary,
Government of India



Cmde SR Sridhar (Retd.)
Registrar,
IIITB Secretary to the Board

Board Meetings

July 5, 2020

80th Meeting of the Governing Body



1. Confirmation of minutes of the 79th Governing Body Meeting was held on February 05, 2020.
2. The Registrar gave an update on the actions taken. The Governing Body took note of the actions taken.
3. Consideration and approval of:
 - Award of Ph.D Degrees
 - Award of Master of Science by Research Degrees
 - Award of MTech Degrees
 - Award of MTech Degrees (Sponsored MTech Prog)
 - Award of MSc (Digital Society) Degrees
 - Award of B Tech and M Tech Degrees to Integrated MTech students
 - Award of Scholarships and Medals
 - Analysis of "Class of 2020"
4. The award winners of the 20th Convocation were invited to meet the Governing Body and the members congratulated the award winners.

- Capital Budget - Ratification of Repeat order placed on single tender
- Capital Budget - Additional Capital Budget required for the year 2020-21
- The Registrar brought to the notice of the members a UGC directive which mandated the Institute to amend the MoA and also the re-constitution of the Governing Body that required nominated members of the UGC.
- Nomination of UGC member in Search cum Selection Committee for appointment of Director.

March 10, 2021

82nd Meeting of the Governing Body



- The Governing Body Approved the Annual Budget 2021-22
- Proposal for Annual Pay Increment for Faculty and Staff
- Summarized Observations of Internal Audit for the Half year ended 30th September 2020
- Resolution for Opening FCRA bank Account
- Resolution for Bank Operations with effect from July 4, 2021

September 16, 2020

81st Meeting of the Governing Body



- Financial Statements for the year 2019-20
- Summarized Observations of Internal Audit for the Half year ended March 31, 2020
- Appointment of Internal Auditors for the year 2020-21
- Appointment of Statutory Auditors for the year 2020-21 and fixing their remuneration

Items for Reporting

- Prof S Rajagopalan made a presentation on MOSIP covering the Budget of the project achievements of MOSIP.
- Registrar briefed on the Campus Safety during COVID-19 pandemic.
- Dean (Academics) briefed the members on Progress of Academics during COVID-19.

- Prof. Amrita Mishra was introduced to the Board Members.
- Director MIIT updated about the pandemic situation at Myanmar and the safety of Indian faculty and staff at MIIT.
- Relinquishment of Mr. Pitchiah, Adviser (Finance) and Mr. D V Jagadish, CEO Outreach.
- Centre for Electronics and Embedded Systems (CEEMS) Lab dedicated to Late Prof. B S Sonde.
- Board Room dedicated to Late Prof. K Subrahmaniam.

Ratification of Capital Expenditure during pandemic

- Registrar briefed the members about the various pockets of land available around IIITB for future expansion of the Institute.
- Chairman briefed all the members that there would be separate events for farewell given to Prof. S Sadagopan upon his superannuation.

July 4, 2021

83rd Meeting of the Governing Body



1. Consideration and approval of:
 - Award of PHD Degrees
 - Award of Master of Science by Research Degrees
 - Award of MTech Degrees
 - Award of MSc (Digital Society) Degrees
 - Award of MTech Degrees (Sponsored MTech Prog)
 - Award of B Tech and M Tech Degrees to Integrated MTech students
 - Award of Scholarships and Medals
 - Analysis of "Class of 2021"
 - Non-Graduating Students
2. The award winners of the 21st Convocation were invited for the virtual meeting with the Governing Body and the members congratulated the award winners.
3. Induction of Prof. Debabrata Das, Director Designate into the Governing Body.
4. The Governing Body requested to concur the induction/nomination of Prof. Debabrata Das as the Ex-Officio Member of the IIITB Governing Body.



3.SENATE



Senate Members

Chairman : Prof. S Sadagopan

Members, Educationists of repute

1. Prof. S S Prabhu
2. Dr. Roland Haas
3. Mr. S Nagarajan

Teaching Members

1. Prof. Chandrashekar Ramanathan
2. Prof. Jyotsna Bapat
3. Prof. Srinath Srinivasa
4. Prof. S Rajagopalan
5. Prof. K V Dinesha
6. Prof. Debabrata Das
7. Prof. Balaji Parthasarathy
8. Prof. G N Srinivasa Prasanna
9. Prof. T K Srikanth
10. Prof. G Srinivasaraghavan
11. Prof. Shrisha Rao
12. Prof. Subir Kumar Roy
13. Prof. V Sridhar
14. Prof. V Ramasubramanian
15. Prof. Chetan Parikh
16. Prof. B Thangaraju
17. Prof. V N Muralidhara
18. Prof. Manisha Kulkarni
19. Prof. Neelam Sinha
20. Prof. Balakrishnan Ashok
21. Prof. Subhajit Sen
22. Prof. Amit Prakash
23. Prof. Tricha Anjali
24. Prof. Meenakshi D'Souza
25. Prof. Madhav Rao
26. Prof. Dinesh Babu Jayagopi
27. Prof. Ashish Choudhury
28. Prof. Sujit Kumar Chakrabarti
29. Prof. Bidisha Chaudhuri
30. Prof. Jaya Sreevalsan Nair
31. Prof. Sachit Rao

Non-Teaching Members

1. Commodore S R Sridhar (Retd) – Secretary to Senate
2. Ms. Cynthia D'Mello
3. Ms. Ramadevi S
4. Mr. M K Durai Murugan
5. Mr. D V Jagadish

Highlights of Senate Meetings

October 14, 2020

76th Senate meeting



Prof. S Sadagopan, Director chaired the meeting and welcomed the members for the 76th meeting of the Senate

The Senate recommended to the Governing Body the following items:

1. Conferring the Students for Award of B Tech and M Tech Degrees to Integrated MTech students.
2. Approved 2-credit Research & Publication Ethics (RPE) coursework mandatory for PhD students from 2020-21 academic year

December 2, 2020

77th Senate meeting



The Senate recommended to the Governing Body the following items:

1. Consideration and approval of course proposal CS873 "Cryptographic Engineering" submitted by Prof. Srinivas Vivek
2. The Senate noted the Academic Milestones of PhD students
3. Prof. Chandrashekar, Dean (Academics) briefed the members regarding the admissions to Integrated MTech programme.

February 17, 2021

78th Senate meeting



1. Consideration and Recommendation of the Student(s) for Award of PhD Degree.
2. Approval of new specialization in Cyber Security as part of the M. Tech and iMTech programmes.
3. Approval of admissions announcements for M.Tech (CSE) and M.Tech (ECE), M.Sc. (Digital Society), Master of Science by Research and Doctor of Philosophy.
4. The Senate noted the Academic Milestones of PhD students.
5. The Senate noted the Inclusion of VL803 - Processor Architecture in the pool of first semester elective courses for MTech ECE program.

April 7, 2021

79th Senate Meeting



1. Consideration and recommendation of the Governing Body for conferring the PhD Degree.
2. Approval of matters related to Research Scholars.
3. Reconstitution of IITB Internal Complaints Committee (ICC) for a period of three years with effect from April 6, 2021

June 23, 2021

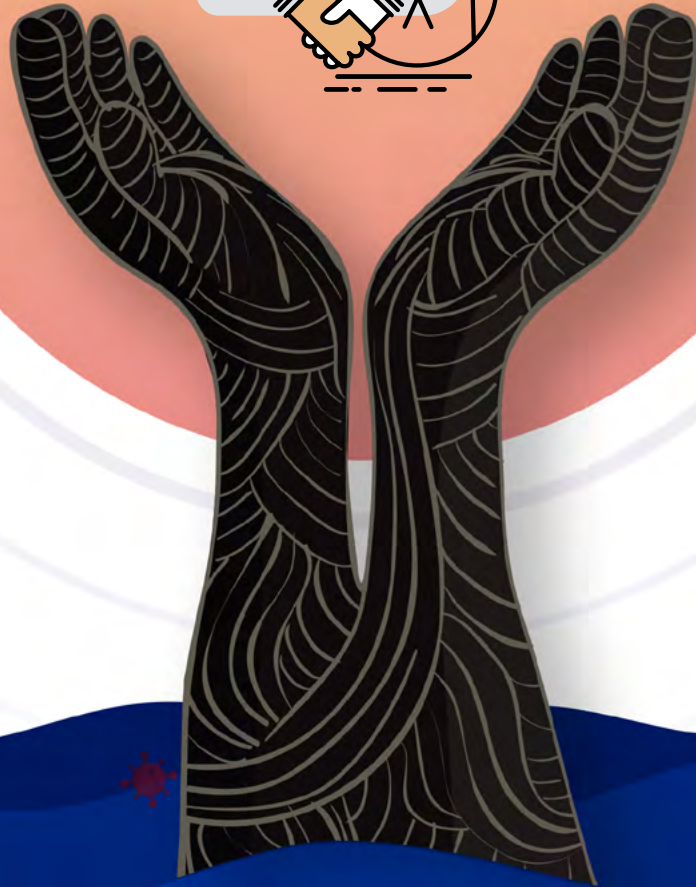
80th Senate Meeting



1. Consideration and recommendation of the Student (s) for award of PhD degree.
2. Consideration and recommendation of the Student (s) for award of Master of Science by Research Degree.
3. Consideration and recommendation of the Students for Award of Master of Technology degree.
4. Consideration and recommendation of the Students for Award of MSc (Digital Society) degree.
5. Consideration and Recommendation of the Students for Award of Master of Technology degree (Sponsored MTech Program).
6. Consideration and Recommendation of the Students for Award of Master of Technology and Bachelor of Technology degrees to Integrated MTech students.
7. Consideration and Recommendation of the Students for scholarships/medals.



4.IAB



Industry Advisory Board

#	Name	Designation	Organisation
1	Nataraj Kuntagod	Principal Director-R&D	Accenture Labs
2	Pavankumar C V	Vice President for South Asia	Altair
3	Guru Ganesan	Sr. Vice President, President & MD	ARM
4	Sudhir Subraman	Business Unit Leader & SVP-APAC Communications, Media and Enterprises & India CSR in-charge	CGI India
5	Johnson Jose	Sr. Director	Cisco Systems
6	K Vaitheeswaran	Co-Founder & CEO	Again Drinks
7	Rostow Ramanan	CEO	Factini Advisors LLP
8	M N Vidyashankar IAS (Rtd.)		Government Service
9	Alok Nanada	CTO GE South Asia & CEO GE India	GE Technology Center
10	Dr. Sudhir Patnaik	Vice President, Engineering and Site Lead	Gibraltar India Development Center
11	Ravi Krishnan	Managing Director	Goldman Sachs
12	Ganesh K	Founder	Growthstory
13	Naresh Shah	Former President, India R&D	Hewlett Packard India Software Operation Ltd.
14	Gilbert Joseph	Head of Corporate Affairs	Huawei Technologies India Pvt. Ltd
15	Amit Sharma	Vice President & General Manager- Operations, WW GBS-Cloud Appl Innovation & Global Delivery	IBM
16	Sandeep Gupta	Joint GM	ICICI Bank
17	Prof. Kumar		IISc
18	Vinay Shenoy	MD	Infineon Technologies (India)
19	Sumeet Verma	Director, Strategy	Intel
20	Sanket Atal	VP, MD	Intuit, India
21	Binu Raj	Partner Director	Microsoft
22	Krishnakumar N	Chairman	Mindtree
23	Dr. Jai Ganesh	VP & Head, Mphasis Next Labs	Mphasis
24	Sundar Subramanian	President-Global Delivery	Mphasis
25	Sankalp Saxena	Deep Tech Club-Board Member and Mentor	NASSCOM
26	Vishal Dhupar	MD	Nvidia
27	Vijay Ratnaparkhe	President & Managing Director	Robert Bosch Engineering and Business Solutions Private Limited
28	Vijendran	Vice President-HR	Robert Bosch Engineering and Business Solutions Private Limited
29	Gunjan Patel	Head CSR, Asia Pacific Japan & India	SAP
30	Gred Hoefner	MD & President	Siemens Healthineers
31	V Hande	Head-Research Group-Simulation and Solutions	Siemens Technology India
32	Ravi Madipadaga	Head, CT Research-India	Siemens Technology India
33	Omprakash Subbarao	VP	Sonata Software
34	Ajay Nanavati	Chairman	Syndicate Bank
35	Pradip Dutta	MD	Synopsys
36	Arnob Roy	Co-founder	Tejas Networks
37	Sanjay Nayak	CEO & MD	Tejas Networks

July 24, 2021

5th IAB meeting

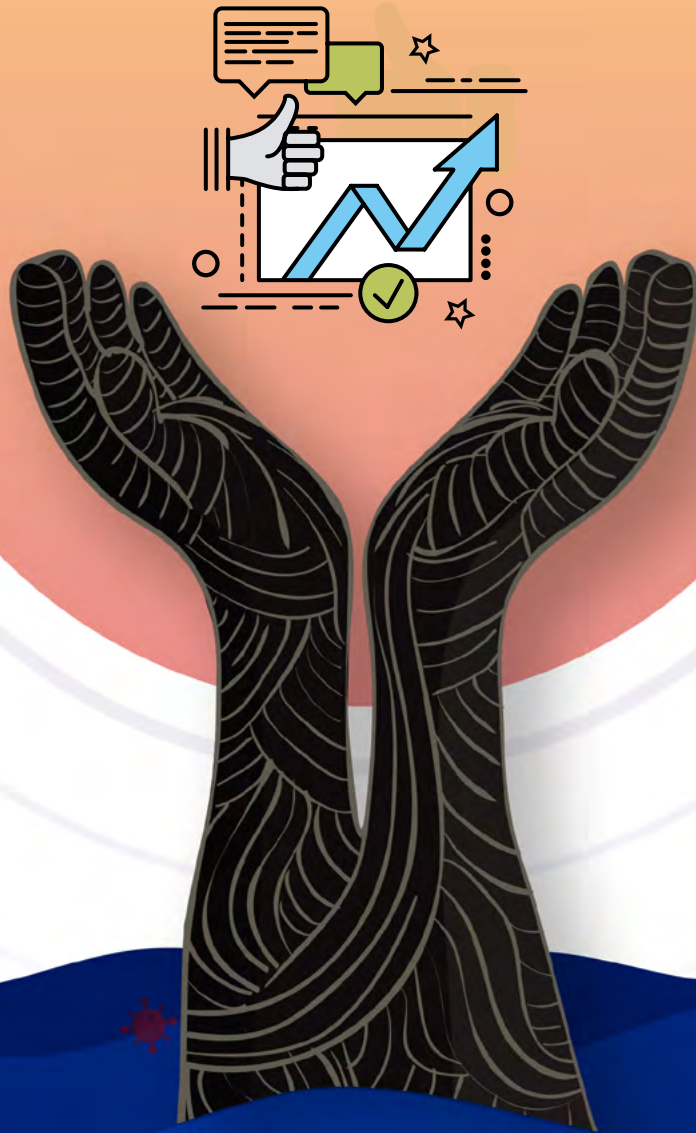


- Mr Naresh Shah, Chairperson and Prof. Chandrashekar Ramanathan, Dean Academics welcomed the IAB members.
- Prof. Srinath Srinivasa, Dean-R & D thanked Prof. Sadagopan, Director for his valuable efforts in setting up Industry Advisory Board, a vibrant institute-industry engagement.
- The Director acknowledged the support and benefits received from IAB's interaction and engagements.
- Prof. Debabrata Das, Director Designate
 - shared his vision to focus on creating "World-class Programs"
 - mentioned about the Government-funded COMET & CIET research centres, Institute's new facilities including labs and 1000-seater auditorium.
 - sought help from IAB members to guide and collaborate in the areas of research, curriculum, placement, funding, co-branding and entrepreneurship.
- Action Taken Report of 4th IAB meeting was anchored by Prof Srinath Srinivasa and Prof. Chandrashekar Ramanathan.
- Mr. Rostow and Mr. Omprakash acknowledged the setting up of 6 Special Interest Groups (SIGs) to address specific areas of research.
- Prof. Srinath Srinivasa shared the collaboration details between the Institute and ELCITA.
- Prof. Chandrashekar Ramanathan briefed and updated the academic curriculum.
- Mr. MN Vidyashankar suggested to start an Executive MTech for industry professionals.
- On behalf of Prof. Jyotsna Bapat, Prof. Srinath Srinivasa and Prof. Chandrashekar Ramanathan briefed about the planned rollout (effective January 2022) of the Reverse Sabbatical program that would enable technology experts from Industry to contribute to Institute's academic programs, collaborative research and research translation efforts.
- Mr Naresh Shah, IAB Chairperson invited other Industry leaders to share their insight on 'Industry Hiring Trends & Post-Pandemic Dynamics'.
- The 5th edition of IAB ended with a vote of thanks by Mr. Ramesh Sundararaman, Adjunct Faculty.





5.IQAC



12th Internal Quality Assurance Cell (IQAC) meeting, June 15, 2020

Chairperson

Prof. S Sadagopan Director

Prof. R Chandrashekar Dean (Academics)

Faculty Members

Prof. Jyotsna Bapat Dean (Faculty)

Prof. Srinath Srinivasa Dean (R&D)

Prof. Manisha Kulkarni Coordinator (MS by Research & Ph.D)

Prof. V N Muralidhara Coordinator (M Tech)

Prof. Madhav Rao Coordinator (iM Tech)

Prof. Amit Prakash Coordinator (M Sc. Digital Society)

Prof. G Srinivasaraghavan Coordinator (Placements & Internships)

Prof. Chetan D. Parikh Coordinator (Student Affairs)

Prof. Debabrata Das Professor

Prof. S Rajagopalan Professor

Prof. V Sridhar Professor

Invited Member

Mr. Vivek Yadav Alumnus

Senior Staff Member

Comde S R Sridhar Registrar

Highlights of 12th IQAC meeting

The Director and IQAC Chairperson welcomed the committee members, reiterated upon the need to improve the NAAC Grading and requested all the IQAC members for a collaborative effort in achieving the same.

Action Taken points from the 11th IQAC meeting:

- IQAC committee took note of the impending reaccreditation process and requested all the stakeholders to be prepared to share the requisite details as per the NAAC data templates.
- Recommended the new Course Proposal of Digital Sociology and New Media Literacies for senate approval.
- Recommended that a detailed study and proposal to be presented to the Senate on revamping of iMtech admission process.
- Recommended for approval from the Senate
- Recommended for approval from the Senate on re-structuring the course work and comprehensive examination framework of Ph.D programme.

The Proceedings of the 12th IQAC meeting

- Detailed discussion on the data gathered till that time from different departments, suggestions on to maintain data accuracy and synchronization while filling the collected data in different sections of the report.
- Recommended new course proposals for:
 - Computer Architecture
 - Mobile Computing
 - Programme Analysis for Software Engineering
- Topics in Artificial General Intelligence (AGI)
- Reviewed changes in Plagiarism with respect to the UGC recommendation of the Institutional Mechanism followed in Higher Educational Institution.
- Reviewed proposed modification in iM Tech and MSc Digital Society programme and recommended to present it in the Senate for approval.

6.DIRECTOR'S REPORT





Prof. S Sadagopan
Former-Director, IITB

Excerpts from Former-Director's address at the 21th Convocation of IITB, held on July 4, 2021

It is a moment of joy when 322 of our students, 5 with PhD degree, 8 with Master of Science by Research Degree, 163 with 2-year M Tech Degree, 102 students with Integrated M Tech Degree, 28 students with Sponsored 2-Year M Tech degree and 16 with M.Sc. Degree graduate.

Convocation is a celebration of success, a celebration of success of the graduating students. I congratulate our "Class of 2021" students and their families who have supported the students. I do not want to stand in the way of our students getting their degrees; yet, it is customary to present highlights of the Institute on this occasion. Please permit me to do so.

The years 2020-2021 are very unusual for this Planet; COVID-19 introduced so many challenges. Every organization had to innovate its own way of facing this challenge. IITB did this by way of moving 100% to online teaching of classes and moving to e-Convocation today. Two innovative things of the year are

- Our experiment in shipping "lab in a box" to all first year students for their Electronics Lab and helping them remotely, thanks to my younger colleagues Nanditha & Madhav; and of course, thanks to Speed Post that worked all through the Pandemic!
- Our experiment in creating a 100-bed COVID-19 Hospital exclusively for E City Police Personnel in a record time of 72 hours! We are grateful to Commissioner of Police Mr. Pant for the opportunity!

We would have loved to host all the graduating students in person today, but e-Convocation appeared to be the "best" under the current trying circumstances. Again, we would have loved to have Prof Subhasis Chaudhuri, and Mr Umang Bedi with us in person today; it is very kind of them to agree to join in the form of e-presence.

First, on students' front,

- Please join me in congratulating our iMTech students Soham Joshi (IMT2018072), Sriram G (IMT2018526), Parithimalan A (IMT2018055), C P Vikram Adithya (IMT2018085) for being the second runners-up at IIT Bombay, Tech fest, December 2020.
- Gaurav Koley, Alumnus, won the "Best paper award" at the 12th International Conference on Social Informatics (SocInfo 2020) in August 2020.
- Satvik Sunkam Ramprasad (IMT2016008), graduating student this year, had the distinction of his project Circuitverse being accepted as mentor organization for Google Summer of Code (G-SOC) for two consecutive years in 2019 and 2020
- IMT students Aditya Sheth (IMT2018003), Venkat Raghavan (IMT2016099) and Rathin Bhargava (IMT2017522), achieved India Rank 1 and world rank 34 in IEEE Extreme programming contest held on October 24, 2020

On Alumni front,

- Please join me in congratulating Khadim Batti, the Start-up Whatfix that he co-founded, got \$ 90 Million from SoftBank with a valuation of \$ 600 Million (crossing the half-way mark for Unicorn); for a young Institute like IIITB it means a lot!
- Dr. Sunil Kumar Vuppala, was the winner of the "Engineering Manager of The Year (EMOTY) 2020 by IEEE TEMS India.
- Dipanjan Sarkar, was honoured for being one of the 40 under 40 Data Scientists, 2021.

On Faculty front,

- DST has funded a TIH (Technology Incubation Hub) in the area of Advanced Communication with a funding of Rs 150 Cr; Government of Karnataka has funded an innovative Internet of Ethical Things with Rs 35 Cr funding; please join me in congratulating Prof. Debabrata Das who is the Project In-charge for both the projects. Prof. Jaya Sreevalsan Nair has been invited to be an Associate Editor of IEEE Transactions on Circuits and Systems for Video Technology (TCSVT) for 2021-23 term.

IIITB continues to attract outstanding faculty members, during this year,

- Prof. Amrita Mishra, Prof. Nikhil Krishnan and Prof. Prem Singh Rawat joined the Institute as Assistant Professors
- Prof. Sujit Kumar Chakrabarti, Prof. Janaki Srinivasan and Prof. Bidisha Chaudhuri were promoted to the rank of Associate Professor and Prof. Meenakshi and Prof. Manisha were promoted as Full Professors

On Infrastructure front,

The 1010-seater auditorium is nearly ready, thanks to the unstinted support from the architect and the many contractors. I want to specially thank the hundreds of silent workers who have worked without a break in all these 15 months of Covid-19. I am grateful to them for working hard to complete the project on time on June 30, 2021 though we are unable to use the Auditorium for this function. I wish that over time, may be 5-10 years, IIITB welcoming some of their children as students with full Scholarship!

On Placement front,

- All through the years we have been successful in placing all, but a handful of students on the day of the Convocation; this is significant as our academic year gets over by June 30th and our Convocation is on the first or second Sunday of July! I am happy to share that this year is no different, though we had the largest batch that too in the COVID-19 year. IIITB will continue to work hard to place the remaining students as well. We are grateful to our friends from the industry for their continued support.

True to our name, International Institute of Information Technology,

- We have several Indonesian students enrolled in our MSc (Digital Society Program); it is nice to see Umar Abdul Aziz topping the batch and getting a Medal right today!
- IIITB has been mentoring MIIT (Myanmar Institute of Information Technology) over the past six years; of the 500+ students enrolled, a small number are likely to graduate in October 2021, despite COVID-19 and political instability.
- Through MOSIP (Modular Open Source Identity Project) that is managed by IIITB, nearly 2 Million ID's have been issued in Philippines; Morocco is going live as we speak in July 2021

We continued to add significantly to our "quality at scale" online education with partnership of upGrad; 10,000+ learners benefited from this in the last academic year

Last, but not the least, I am happy that an Award in the name of Professor Ravi Ravindran is being given away starting this year for the "Best PhD Thesis"; Professor Ravindran is my PhD Adviser; another PhD student of Prof Ravindran, Dr Bala ex EVP Infosys was instrumental in making this award a reality and my grateful thanks to him.

In all the twenty previous Convocations I have addressed the audience on this same podium and used nearly the same words to conclude.

"Institution building is an act of faith". But for the trust-based relationship between the Governing Body and the Executive, IIITB would not be what it is today. We look forward to such continued support from the management, and from all sections, namely, faculty, students, staff, alumni, funding agencies, government, industry and civil society.

We have a long way to go, but our baby steps in the past 22 years are reassuring. Special thanks to everyone for all their support all these years. Congratulations to the graduating batch!

Today is a special day. I took charge on June 3, 1999 as the first Director of IIIT-Bangalore. I will be handing over charge to Prof. Debabrata Das. I am sure he will take the Institute to greater heights.



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7.CONVOCATION





21st CONVOCATION

Virtual Convocation | July 4, 2021

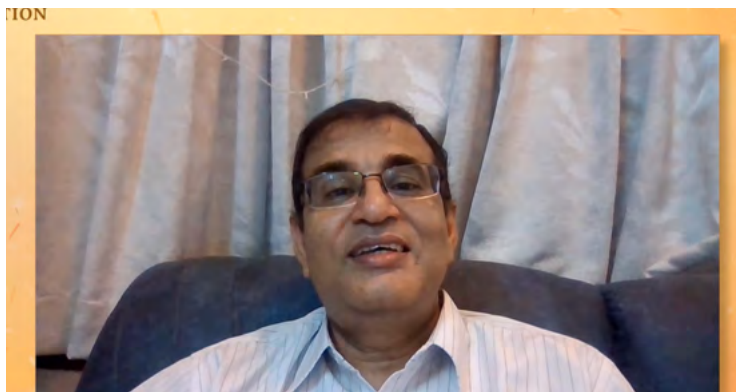
IITB held its 21st Convocation on Virtual Mode

Also Prof. Sadagopan handed over the directorship to Dr. Debabrata Das

IITB held its 21st annual convocation on July 4 through an e-ceremony, owing to the ongoing pandemic. Prof Subhasis Chaudhuri, Director, IIT Bombay was the Chief Guest and Mr. Umang Bedi, Co-founder, Dailyhunt was the Guest of Honour. The Ceremony was presided over by the Chairman of the IITB Governing Body Mr. Kris Gopalakrishnan, Prof S Sadagopan as Director and the Prof Debabrata Das as Director Designate of IITB. The event culminated with the formal ceremony of Prof Sadagopan handing over of the charge of Director to Prof Debabrata Das.



Whilst continuing learning using virtual/ online mode, the final year students have had to work on their research projects without the physical access to labs and other facilities at the campus. Even then, the students have surpassed expectations with a total of 322 individuals graduating with the following degrees: 5 PhD degrees, 8 Master of Science by Research degrees, 163 M.Tech. degrees, 16 M.Sc. degrees, 102 dual degrees, and 28 students with sponsored M.Tech degrees. As tradition goes, 10 exceptional graduating students in academics and extra-curricular activities were also bestowed with medals and recognitions. In addition, two alumni were awarded for outstanding doctoral thesis and entrepreneurial success through IoT driven products.



Chief guest of the ceremony, Prof Subhasis Chaudhuri, in his address to the students said, "As you are ready to pursue your careers in various fields, I want you to always look for ways to create opportunities for our younger generation, create more wealth for the nation and contribute towards

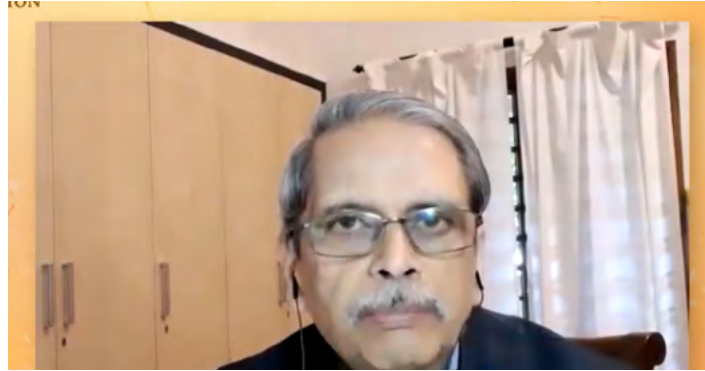
providing better education to the students who might not be as privileged as you are. As proud alumni of this wonderful Institution, you have the responsibility to contribute to your alma mater and the society."

Guest of Honour, Mr. Umang Bedi in his address said, "Reflecting back on my own journey, I want to remind you all that the biggest transformations start with the smallest of ideas. The digital age today gives you the opportunity to solve unsolved problems and build products that could uplift the nation. As vibrant young minds, have faith in your capacity and create a fulfilling future for yourself, your families and the nation."



The ceremony also marked another milestone in IIITB's legacy as Prof Sadagopan completed his term as Director of the Institute after more than 20 years of glorious service. "Today is a special day. The graduation ceremony is the most-awaited and celebrated occasion at IIITB and the faculty members and our graduating students pay high regard to it. I took charge as the first Director of IIITB on June 3, 1999 and have addressed 20 convocations on the same podium since then. I heartily congratulate all outgoing students and wish them success in their chosen fields", said Prof S. Sadagopan speaking about the Institute's 21st convocation.

Prof Debabrata Das, Director of IIITB recalled the legacy that Prof Sadagopan has created during his 22 years of service at the Institute and said, "IIITB as an institute has flourished under the leadership of Prof Sadagopan and this also reflects how our students and alumni have performed in life. On this day, I congratulate our graduating batch of 2021 and wish them motivation and success to innovate and contribute toward technologies that will shape the future."



Chairman of the IIITB Governing Body, Mr. Kris Gopalakrishnan, in his address said, "The past year has been challenging for both the students and the faculty. However, all the hard work and dedication has paid off, as today the students are armed with a degree from the prestigious institution of IIITB to shape a bright future. As I congratulate all the students graduating, I also want to leave everyone with a message to contribute to society and help build a nation that is more inclusive, sustainable and innovative."





Among the graduating students, the prestigious Institute Gold Medals were awarded to Sai Bharghav, Satvik Ramprasad and Umar Abdul Aziz. IIITB alumnus Mr Nawal Lodha was awarded the Late Sri. N. Rama Rao Medal for Entrepreneur of the Year. With regards to faculty achievements, Prof Debabrata Das has been appointed as the Principal Investigator (PI) for the INR 150 crore Technology Incubation Hub funded by MeitY, Government of India, with focus in the area of Advanced Communication System, while Prof Madhav Rao is the PI for the INR 22 crore Centre for Internet of Ethical Things funded by the Government of Karnataka.



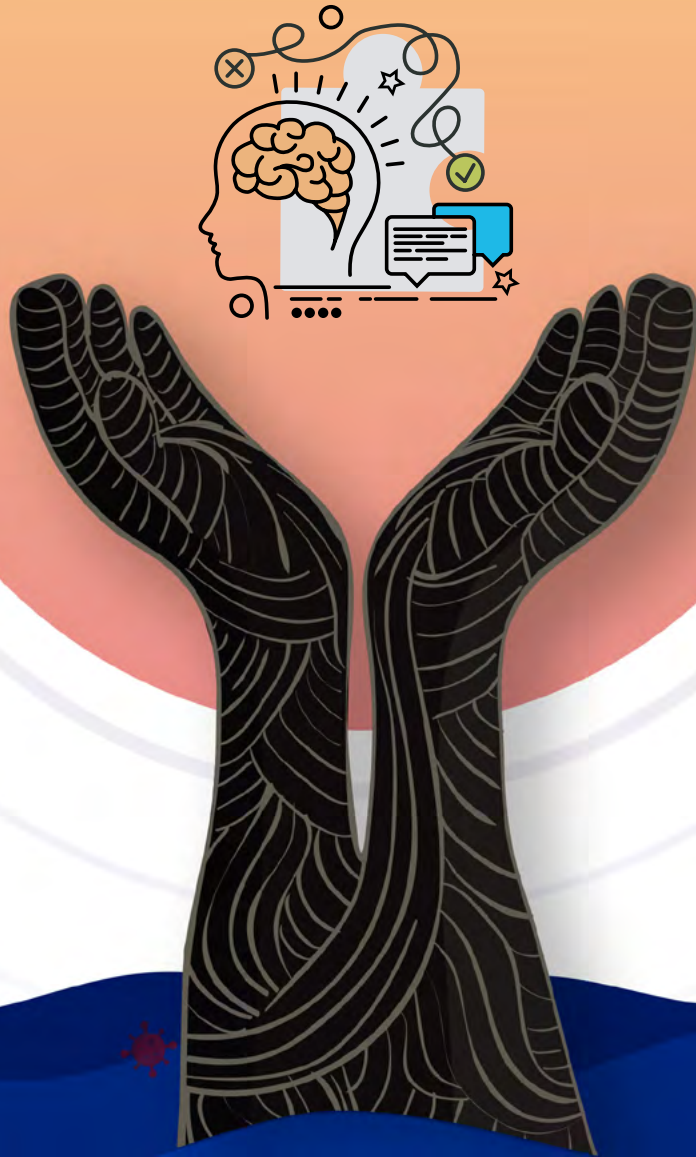
Few Graduates Received Degree Certificates in Campus

COVID-19 did not dampen the spirits of our graduating students. Even though we had e-convocations for two years, a total of 116 students came to the campus and received their degree certificates in person either from the Director, Dean (Academics) or the Registrar.



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8.DEAN'S LIST



Dean's List - June 2021

The Dean's List at IIIT-B honors the students of **MTech and MScDT** who have attained a cumulative GPA of 3.75 or above. The list is updated annually.

#	Roll No	Name	Program
1	MT2019513	Kunchala Jaya Naga Sai Bhargav	Master of Technology ECE
2	MT2019517	Paliseti Sai Ram	Master of Technology ECE
3	MT2020002	Shivam Jain	Master of Technology CSE
4	MT2020010	Neha Kothari	Master of Technology CSE
5	MT2020011	Sambhavi Apurva Kalanadhabhatla	Master of Technology CSE
6	MT2020015	Magham SriChandan Teja	Master of Technology CSE
7	MT2020016	Akshay Nagpal	Master of Technology CSE
8	MT2020053	Ankita Paul	Master of Technology CSE
9	MT2020054	Shourabh Payal	Master of Technology CSE
10	MT2020146	Gaurav Jha	Master of Technology CSE
11	MT2020501	Rony Thomas Samuel	Master of Technology ECE
12	MT2020502	Soham Das	Master of Technology ECE
13	SMT2018013	Narasimha Rao Thurlapati	Master of Technology
14	SMT2018015	Pavithra V	Master of Technology
15	SMT2018019	Ramkumar T S	Master of Technology
16	SMT2018025	Yogesh Kochar	Master of Technology
17	DT2019108	Umar Abdul Aziz	Master of Science Digital Society
18	DT2020009	Gayatri Raman	Master of Science Digital Society

The Dean's List at IIIT-B honors the students of **Integrated Mtech (iMTech)** who have attained a cumulative GPA of 3.60 or above. The list is updated annually.

#	Roll No	Name	Program
1	IMT2016001	Gopalakrishnan V	Integrated Master of Technology CSE
2	IMT2016005	Aayush Grover	Integrated Master of Technology CSE
3	IMT2016006	Ruparelia Vishesh Smitesh	Integrated Master of Technology CSE
4	IMT2016008	Satvik Sunkam Ramaprasad	Integrated Master of Technology CSE
5	IMT2016024	Shobhit Pankaj Behl	Integrated Master of Technology CSE
6	IMT2016025	Akshi	Integrated Master of Technology CSE
7	IMT2016037	Siddarth Reddy Desu	Integrated Master of Technology CSE
8	IMT2016050	Biswesh Mohapatra	Integrated Master of Technology CSE
9	IMT2016052	Aditya Gulati	Integrated Master of Technology CSE
10	IMT2016054	Aditya Shridhar Hegde	Integrated Master of Technology CSE
11	IMT2016057	Pasumarthy Lakshmi Manonmaie	Integrated Master of Technology CSE
12	IMT2016060	Yalamarthy Durga Yasasvi	Integrated Master of Technology CSE
13	IMT2016072	Nomula Rohith Yogi	Integrated Master of Technology CSE

14	IMT2016082	Nimisha Garg	Integrated Master of Technology CSE
15	IMT2016099	Raghavan G V	Integrated Master of Technology ECE
16	IMT2016110	Dachepalli Soumith Kumar	Integrated Master of Technology CSE
17	IMT2016120	Marisetty Sri Ram	Integrated Master of Technology ECE
18	IMT2016129	Ananth S	Integrated Master of Technology CSE
19	IMT2017003	Amogh Johri	Integrated Master of Technology CSE
20	IMT2017004	Ananya Appan	Integrated Master of Technology CSE
21	IMT2017009	Ayush Yadav	Integrated Master of Technology CSE
22	IMT2017011	Brahma Kulkarni	Integrated Master of Technology CSE
23	IMT2017013	Deep Inder Mohan	Integrated Master of Technology CSE
24	IMT2017016	Eric John	Integrated Master of Technology CSE
25	IMT2017020	Gurleen Kaur	Integrated Master of Technology CSE
26	IMT2017024	Kaushal Mittal	Integrated Master of Technology CSE
27	IMT2017027	Seelam Lalitha	Integrated Master of Technology CSE
28	IMT2017033	Rahul Murali Shankar	Integrated Master of Technology CSE
29	IMT2017034	Kotlo Budde Ravi Kiran Reddy	Integrated Master of Technology CSE
30	IMT2017043	Swasti Shreya Mishra	Integrated Master of Technology CSE
31	IMT2017047	Yeddula Sai Dhanush Reddy	Integrated Master of Technology CSE
32	IMT2017511	Kocherla Nithin Raj	Integrated Master of Technology ECE
33	IMT2017513	Mili Goyal	Integrated Master of Technology ECE
34	IMT2017517	U Prateksha	Integrated Master of Technology CSE
35	IMT2017521	S Ram	Integrated Master of Technology CSE
36	IMT2017522	Rathin Bhargava	Integrated Master of Technology CSE
37	IMT2017523	Ronak Doshi	Integrated Master of Technology ECE
38	IMT2017524	Kalyanapu Sailesh	Integrated Master of Technology ECE
39	IMT2017525	S Prasanth	Integrated Master of Technology ECE
40	IMT2018009	Anish Rajan	Integrated Master of Technology CSE
41	IMT2018010	Veluri Aravind	Integrated Master of Technology CSE
42	IMT2018016	Bharath Kumar Joshi	Integrated Master of Technology CSE
43	IMT2018033	Jishnu Vinod Kumar	Integrated Master of Technology CSE
44	IMT2018036	N Khaveesh	Integrated Master of Technology CSE
45	IMT2018051	Nikitha A N	Integrated Master of Technology CSE
46	IMT2018052	Nipun Goel	Integrated Master of Technology CSE
47	IMT2018059	R Rohit Katlaa	Integrated Master of Technology CSE
48	IMT2018060	Sahaj Kuman Vaghasiya	Integrated Master of Technology CSE
49	IMT2018067	Sama Sai Karthik	Integrated Master of Technology CSE
50	IMT2018072	Soham Joshi	Integrated Master of Technology CSE
51	IMT2018086	Vinayak Agarwal	Integrated Master of Technology CSE
52	IMT2018504	Arpitha Malavalli Srivathsa	Integrated Master of Technology CSE
53	IMT2018509	Karthik Hegde	Integrated Master of Technology ECE
54	IMT2018523	Shubhayu Das	Integrated Master of Technology ECE
55	IMT2018527	Tanmay Joshi	Integrated Master of Technology ECE
56	IMT2019001	Abhinav H Kamath	Integrated Master of Technology CSE
57	IMT2019004	Adrij Sharma	Integrated Master of Technology CSE

58	IMT2019005	Agrim Jain	Integrated Master of Technology CSE
59	IMT2019010	Ankit Agrawal	Integrated Master of Technology CSE
60	IMT2019028	Divyam Agrawal	Integrated Master of Technology CSE
61	IMT2019031	Gagan Agarwal	Integrated Master of Technology CSE
62	IMT2019033	Ghazi Shazan Ahmad	Integrated Master of Technology CSE
63	IMT2019034	Gunin Jain	Integrated Master of Technology CSE
64	IMT2019043	Kautuk Raj	Integrated Master of Technology CSE
65	IMT2019048	Lovejeet Singh Parihar	Integrated Master of Technology CSE
66	IMT2019055	Muppuri Siva Jagadesh	Integrated Master of Technology CSE
67	IMT2019057	Nandakishore S Menon	Integrated Master of Technology CSE
68	IMT2019068	Rachapudi Maruthi Sriram	Integrated Master of Technology CSE
69	IMT2019069	Rachna S Kedigehalli	Integrated Master of Technology CSE
70	IMT2019070	Rajath Rao K.N	Integrated Master of Technology CSE
71	IMT2019075	Samaksh Dhingra	Integrated Master of Technology CSE
72	IMT2019087	Supreeth Varadarajan	Integrated Master of Technology CSE
73	IMT2019091	Venkat Suprabath Bitra	Integrated Master of Technology CSE
74	IMT2019092	Vignesh Bondugula	Integrated Master of Technology CSE
75	IMT2019097	Komma Yashovardhan Reddy	Integrated Master of Technology CSE
76	IMT2019525	Vijay Jaisankar	Integrated Master of Technology CSE
77	IMT2020004	Sooraj Sathish	Integrated Master of Technology CSE
78	IMT2020009	Sathvik I Bhat	Integrated Master of Technology CSE
79	IMT2020014	Netradeepak Manoj Chinchwadkar	Integrated Master of Technology CSE
80	IMT2020015	Pushkar Sandip Pawar	Integrated Master of Technology CSE
81	IMT2020018	Rachit Agrawal	Integrated Master of Technology CSE
82	IMT2020024	Pavan Thanay Muthyala	Integrated Master of Technology CSE
83	IMT2020025	Aniruddha Shailesh Chaudhari	Integrated Master of Technology CSE
84	IMT2020026	Vyom Sharma	Integrated Master of Technology CSE
85	IMT2020032	Sarthak Harne	Integrated Master of Technology CSE
86	IMT2020039	Anshul Jindal	Integrated Master of Technology CSE
87	IMT2020053	Chaitanya Manas Cheedella	Integrated Master of Technology CSE
88	IMT2020056	Rudransh Dixit	Integrated Master of Technology CSE
89	IMT2020069	Chinmay Pankaj Parekh	Integrated Master of Technology CSE
90	IMT2020073	Ashish Gatreddi	Integrated Master of Technology CSE
91	IMT2020081	Arin Awasthi	Integrated Master of Technology CSE
92	IMT2020094	Riddhi Chatterjee	Integrated Master of Technology CSE
93	IMT2020102	Tejdeep Gutta	Integrated Master of Technology CSE
94	IMT2020501	Shreyansh Rajeeva Rai	Integrated Master of Technology ECE
95	IMT2020502	Monjoy Narayan Choudhury	Integrated Master of Technology ECE
96	IMT2020503	Arhant Arora	Integrated Master of Technology ECE
97	IMT2020509	Hardik Khandelwal	Integrated Master of Technology ECE
98	IMT2020523	Kedar Yogesh Deshpande	Integrated Master of Technology ECE
99	IMT2020535	Shreeya Manasvi Venneti	Integrated Master of Technology ECE
100	IMT2020548	Tejas Sharma	Integrated Master of Technology ECE

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9. EVENTS & HAPPENINGS



Bidding Farewell to Prof. Sadagopan

It was hard to say goodbye to a leader who led IIITB right from its inception and went on to build an Institution of international repute. As a Director of the Institute, Prof. Sadagopan led and sculpted this epitome of knowledge, research and innovation. With his contagious positive spirit and helpful nature, he was a part of everyday life of everyone at IIITB. Finally, the day arrived to bid farewell to the most beloved leader of IIITB. It was a weighed down time for everyone with his retirement, yet farewell was given to him that created a forum to acknowledge and thank his precious contributions that he made to the Institute. It was also a moment to congratulate Prof. Sadagopan on his 22 years of celestial work with IIITB and wish him a relaxing and satisfying retirement.

On June 29, 2021 the Governing Body gave a warm farewell to Prof. Sadagopan at the Institute. The following day on June 30, all the faculty and Senate members convened both on offline and virtual modes to express their gratitude. For them, he was a role model as an outstanding academician, a guide and above all a humble human being.



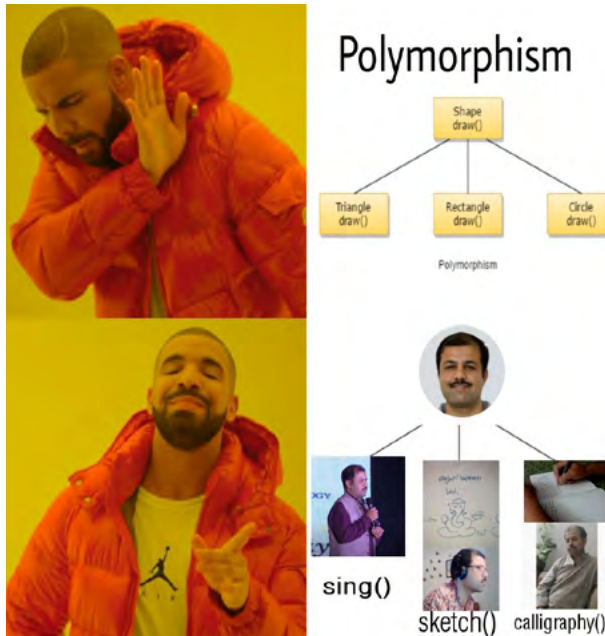
A separate farewell was held by all the staff members to honor his leadership and guidance. Many of them remembered his kindness, support, knowledge and other positive attributes that Prof. Sadagopan had instilled in them.

Mrs. Chandra Sadagopan had been a testimony to the fact that behind every successful man there is a woman. She was a pillar of support and had been with Prof. Sadagopan through thick and thin in the making of IIITB. She always stood as a mother to each and every student of IIITB and she ensured gentle hand holding for the staff members when they were in distress. Entire IIITB bid farewell to Prof. Sadagopan and Mrs. Chandra Sadagopan; it was a somber experience filled with lot of love, gratitude and felicitations.



Events

September 5, 2020 Teacher's Day



This year's Teacher's Day was celebrated in virtual mode. Students expressed their gratitude and acknowledged their teachers' efforts to deliver education digitally in the prevailing pandemic time. SAC had organized a meme competition amongst students on the theme, 'Teacher Student Relationship' and presented some of the best selected memes during the meeting. All faculty members and the Director appreciated the organizing team and all the students for their creative thought.

September 15, 2020 Foundation Day

The 21st Foundation Day was celebrated virtually. The Director, Prof. Sadagopan addressed all the participants and few Alumni shared their journey in IIITB. A musical performance by the Music Club and a dance performance by the Dance Club added charm to the event. It was interesting to

watch "A trip down the memory lane" composed a various video messages by SAC 2019 students who recalled their journey and nostalgic moments at the Institute.



October 27-November 2, 2020 Vigilance week

The Vigilance Awareness Week 2020 was observed at IIITB from October 27, 2020 to November 2, 2020, under the auspices of Central Vigilance Commission (CVC) to spread awareness against corruption. CVC's theme for this year's Vigilance Awareness Week was "सतर्क भारत, समृद्ध भारत - Satark Bharat, Samriddh Bharat (Vigilant India, Prosperous India)". This awareness week campaign was observed to affirm our commitment to promotion of integrity and probity in public life through citizen participation. In accordance with the directives of CVC, several activities were organized at IIITB with an aim to spread awareness and sensitize the citizens about ways to fight corruption. We took E-Pledge, held Debate Workshop and spread awareness on the social media ahead of the Vigilance Awareness Week.

November 1, 2020 Karnataka Rajyotsava Day

On the eve of Rajyotsava Day, Book Reading Club conducted a special session by Prof. Srinivas Vivek, Assistant Professor, IIITB and Pavan Iddalagi, PhD Student, IIITB. Vachana sahitya is a form of rhythmic writing in Kannada (see also Kannada poetry) that evolved in the 11th century and flourished in the 12th century, as a part of the Sharana movement. In this talk, Prof. Srinivas Vivek spoke about some well-known vachanas of Basavanna, Akka Mahadevi and Allama Prabhu from the 12th century and Mr. Pavan Iddalagi spoke about the vachanas of Sarvajña from the 16th century.

November 4, 2020 Induction Program-IMTECH 2020



SquareOne, the Induction Committee of IIITB, encourages new students to get acquainted with the campus life through fun events and workshops. This year's programme was spanned for a month and the events received an overwhelming responses from the newly inducted batch.

- Senior-Junior Interaction (November 4, 2020)
- League of Fanatics (November 7, 2020)
- Treasure Hunt (November 8, 2020)
- Club Workshops (November 9-15, 2020)
- UI/UX Workshop by Shreyas Gupta (November 17, 2020)

November 13-15, 2020 Diwali 2020

SAC conducted 'ELEMENTS', a sequence of virtual events to celebrate Diwali in the same spirit as when it was celebrated on campus. A plethora of events was organized in collaboration with various clubs of the Institute. It was not only the students but few faculty and staff members too enthusiastically participated in some of the events.

- Style Check (by SAC)
- Debate (by DebSoc)
- GroovewithIIITB (by Dance Club)
- Symphony (by Music club)
- Put on your mask (by Parvaaz)
- Sparkles (by Art club)
- Aitihaasika (by Turiya club)
- Elements of change (by 8bit)

January 10, 2021 2020 at a glance- Silver lining amidst the crisis

While the pandemic wreaked havoc across the world and brought a sense of gloom, the students of IIITB refused to succumb to the sense of despair. Instead, they brought out their creative talents and channelized it through a virtual art event "Silver lining amidst the crisis", which was conducted by the Art Club in IIITB. The students were encouraged to depict their ideas about how the pandemic disrupted the world through watercolor posters, digital artwork, and artifacts. Prof. Sujit Kumar Chakrabarti evaluated and assessed the entries submitted by the enthusiastic students. The winners were: Nikitha (IMT2018051) and J Prashanth (IMT2019507) in the Digital Art category and Ankita Paul (MT202053) and Rachna Jain (MT2019084) in the Handmade Art category.

January 25, 2021 Visit to Surabhi Adwaya

Given the nationalistic and patriotic fervor over the years, Republic Day in India is a memorable occasion that instills a sense of pride among Indians on how the country has progressed over the last 72 years. However, there are many sections of society that deserve more care and help than they currently get. Realizing this, and wanting to make a positive difference to the lives of the underprivileged, a few staff members from IIITB visited Surabhi Adwaya Orphanage and cheered the children with interesting goodies. The children of the orphanage were delighted to receive the gifts. Keeping with the spirit of the visit, the children displayed their singing talent and warmly thanked IIITB.



February 19-20, 2021 Web Science for Development 2021 (WS4D)



The Web Science for Development (WS4D 2021) workshop was held from February 19-20. This was the third annual workshop conducted as a part of the web science research initiative at IITB.

Day 1 of the third Web Science for Development (WS4D) workshop started with the 'Brave Conversations 2021' conference. The virtual event drew continuity from the conversations held in 2020 and discussed the underlying impacts of the COVID-19 pandemic, the consequent digitalization of the world and how the 'new world' is developing with time. Day 2 involved a multitude of workshops and panel discussions conducted by IITB's Web Science Lab.

'Brave Conversations' inaugurated by Prof. S. Sadagopan, Director, IITB, had Ms. Anni Rowland-Campbell, philanthropist and Web Science practitioner, Web Science Trust, as the Lead Guide, Professor Dame Wendy Hall, Regius Professor - Computer Science, University of Southampton (returning to the conference for the second time), and Senapathy 'Kris' Gopalakrishnan, Chairman - Axilor Ventures and former CEO - Infosys, as guest speakers, with Prof. Srinath Srinivasa from IIT Bangalore hosting the event. Each conversation was followed by an interactive Q&A session that proved to be thought provoking.

February 26, 2021 Medical Camp

IITB organized a free medical camp at the building, Bhaskara for its campus community including students, faculty and staff members. A medical team from Kauvery Hospital visited and carried out basic health check-ups that comprised blood pressure, random blood sugar, oxygen level, height, weight ECG and provided consultation, as well. The doctors advised on ways to stay fit and healthy.



March 10, 2021 Blood Donation Camp

Aikyam, the social volunteering club of our institute, in collaboration with Bangalore Medical Services Trust (BMST) organized a Blood Donation Camp at IITB, maintaining the necessary COVID-19 protocols. A team of doctors and technicians from BMST collected blood from the donors. Blood donors were thanked with a Certificate of Appreciation along with Blood Donor Cards, information materials, and refreshments.



March 19-20, 2021 Research, Innovation, Society & Entrepreneurship (RISE) Symposium

The virtual Research, Innovation, Society & Entrepreneurship (RISE) Symposium was held during March 19-20. The two-day virtual event showcased the innovative contributions from researchers at the Institute. It began with a panel discussion on the four dimensions - Research, Innovation, Society and Entrepreneurship - exhibited by IIITB during the pandemic last year.

March 19 (Day 1) - A panel discussion comprising of the following speakers Prof. Chandrashekar Ramanathan, (Professor and Dean (Academics) & Faculty-in-charge Computing), Prof Srinath Srinivasa (Professor and Dean R&D), Prof T. K. Srikanth (Professor and Faculty-in-charge Computing -E-Health Research Center) and Mr. Uday Hegde (Co-founder & CEO, USEReady and a First Batch alumnus of IIITB) and was moderated by the Director, Prof. S. Sadagopan.

March 20 (Day 2) - The keynote address, 'RISEing to the Challenges in Education and Health' was delivered by Prof Sujatha Ramdorai (Professor of Mathematics at University of British Columbia, Canada). Presentations from selected MeitY TIDE startups were also showcased. IIITB Innovation Awards were given for startups.

March 21, 2021 IIITB and UpGrad's Graduation ceremony



IIITB and UpGrad hosted their 5th graduation ceremony on virtual mode. This was held on virtual mode. Gracing the event with their presence were; Chief Guest Mr. N G Subramaniam (COO, TCS), Prof. Chandrashekar Ramanathan (Dean - Academics, IIITB), Prof. S Sadagopan (Director, IIITB), Mr. Ronnie Screwvala (Executive Chairman & Co-founder - UpGrad) and Mayank Kumar (Co-founder & MD - upGrad).

Totally, 2,323 students received Post-graduate diplomas upon successful completion of their Post-graduate programs in Data Science, Machine Learning and Software Development/Blockchain. The students included seasoned working professionals from various organizations including Fortune 500 Companies. 20 graduating students were awarded the 'Top Performer' award for achieving the highest CGPA in their respective programs.



March 26-28, 2021 INFIN8' 21

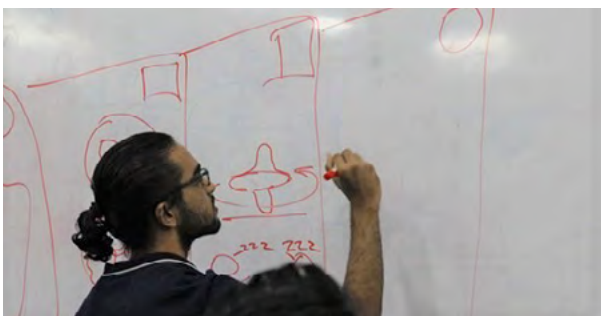


IIITB, in association with the Students Affairs Council (SAC) organized its annual cultural fest, INFIN8 that spanned three days.

INFIN8 '21 organized during the pandemic, was a bit different from what everyone had experienced during its previous versions, expanded its horizon to conduct events in both online and offline mode - so no one missed the opportunity to be a part of this fun ride.

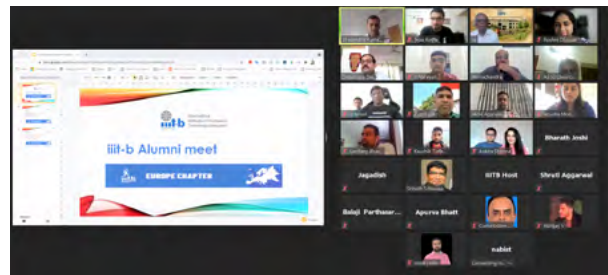
The contests included every category from Music to Dance and Art to Drama. A total of 11 competitions - Pitch Perfect (Solo Singing), Nrityaananda (Solo Dance), Rhythm of Hope (Instrumental), Groove N' Glam (Group Dance), 3 Walls (Stage Play), Life on a Canvas (Painting), Strokes of Genius (Sketching), Pen your Art (Digital Art), Tale Factory (Short Story Writing), Valorant (The Ultimate Gaming Tournament), and Battle of Bands - saw enthusiastic participation of the students from IIITB, as well as from other colleges.

There were interesting games including Twister, Pictionary, Takeshi's Castle and Gulel. A range of both on-campus and off-campus competitions



that were open to IIITB students only was held — Treasure Hunt, War of Words, Dumb Charades, League of Fanatics and Gulp N' Gobble. Though the pandemic was tough, INFIN8 '21 tried to bring out the brightest smiles and the hidden talents that we never knew about.

June 5, 2021 Europe Chapter of Alumni Launched



Networking, interacting and staying in touch — the alumni network offers students and the Institute a plethora of benefits. Alumni engagement can contribute in academic matters and student support. The Institute nurtures the alumni chapters to facilitate them to contribute significantly to the development of the Institute through financial and non-financial means. In this view, IIITB launched its Europe Chapter on June 5, 2021. The event was graced by our Director, Prof. S Sadagopan and Director-Designate Prof. Debabrata Das, who were joined by many senior faculty members greeting our alumni. The event was spearheaded by Akhil from Germany and Shailendra from the UK, both from the 2001 Graduating Batch. The event saw the participation of around 30 alumni and their families from various parts of Europe; mainly UK, Germany, Netherlands, France, Switzerland, and other places. The alumni were from across batches and it was a great experience connecting with their fellow alumni. The event helped alumni network with each other and find various common areas of interest.

Samvaad Weekly Talk Series by Faculty, Staff and Students

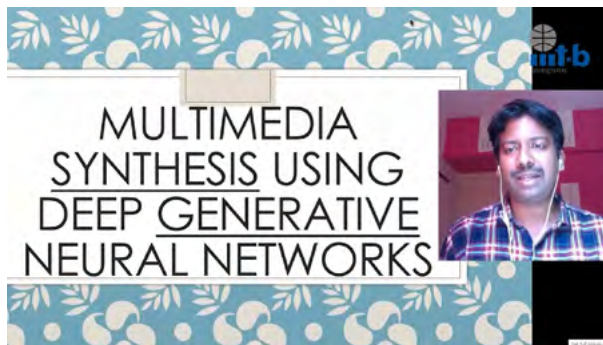
June 18: **"Simulation of epidemiological Models For COVID-19 For Karnataka"** by Prof. Srinath Srinivasa.

June 22: **"Verifying Band Convergence For Sampled Control Systems"** by Prof. Meenakshi D'Souza.

June 29: **"Effect of Data Localisation regulation: Empirical And Simulation Analysis"** by Prof. V. Sridhar.

July 6: **"Whither Humane-Computer Interaction? Adult and Child Value Conflicts in the Biometric Fingerprinting for Food."** By Prof. Preeti Mudliar.

July 13: **"Deep generative neural networks for multimedia generation"** by Prof. Dinesh Babu Jayagopi.



July 20: **"Design of e-Manas - Karnataka Mental Health Management System"** by The MHMS Team - Prof. T. K. Srikanth and Mr. Divya Raj, IIIT Bangalore, and Mr. V. S. Dileep, Healthelife Ventures LLP

July 27: **"Joint Optimal Relay and Antenna Selection for Cooperative Cognitive Radio Networks"** by Prof. Priyanka Das.

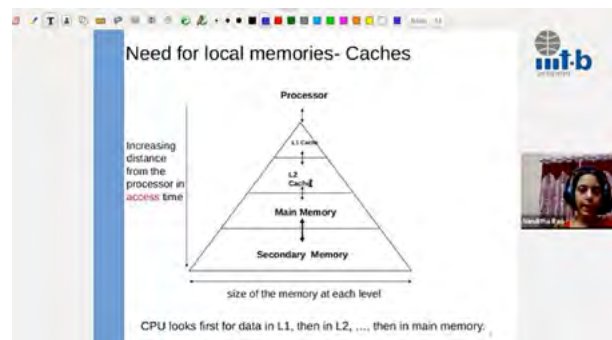
August 05: **"The rise of the platform economy and the antinomies of "gig" work in India"** by Prof Balaji Parthasarathy.

August 28: MINRO-Samvaad-Panellists: Prof Ramasubramanian V; Prof G. Srinivasaraghavan; Prof Preeti Mudliar; Raksha PS; (Late) Tridib Roy Chowdhury (Moderator)

August 31: CITAPP-Samvaad Talk on **"Developing Country Health Systems as Complex Adaptive Systems"** by Dr Nachiket Mor, CITAPP

September 14: **"Frequency Allocation and Graph Coloring"** by Prof Pradeesha Ashok.

September 21: **"Caches: Design space exploration and security on hardware"** by Prof. Nanditha Rao



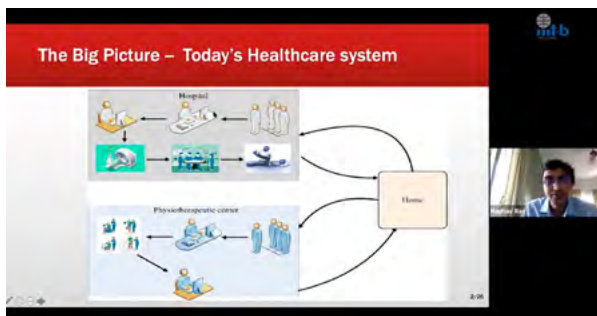
September 30: MINRO-Samvaad Webinar on **"AI in Healthcare"**. Panellist: Prof G Srinivasaraghavan, Prof. Amit Prakash, Prof. T K Srikanth, Kalpana Subbaramappa (moderator)

October 12: VLSI - Samvaad Talk on **"Ultrasound-image Guided Surgical Tool For Treating Hydrocephalus: Physics & Implementation"** by K.N. Aheesh, Open Silicon Inc., and IIIT Bangalore alumnus and Prof Subhajit Sen.

October 29: **“New Approaches to Architecting Hardware for Machine Learning”** by Prof Subir Roy, IIIT Bangalore, Shaik Mohammed Waseem and Manpreet Kaur Jaswal

November 3: MINRO-Samvad Webinar on **“Can AI help Processors replace Professors?”** by Prof. Dinesh Babu Jayagopi, Prof. Janaki Srinivasan, Prof. Srinath Srinivasa, Prof. Sujit Kumar Chakraborti and Prof. Chandrashekar Ramanathan (moderator).

November 9: **“Robotics and Edge systems for transforming surgical and assistive medical care”** by Prof. Madhav Rao.



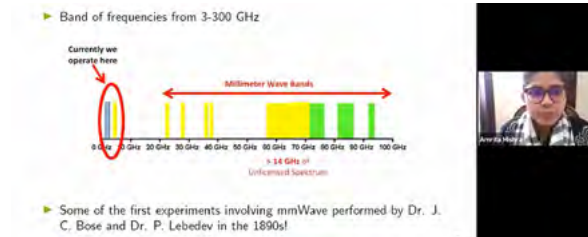
November 16: **“Image Analysis in Medical Diagnosis and Precision Agriculture”** by Prof. Neelam Sinha, Debanjali Bhattacharya and Atharva Kadethankar.

November 23: **“FMCW Radar: Evolution, Opportunities & Challenges”** by Prof. Vinod Reddy.

November 30: **“Accuracy Rat Race on Vision Databases: Missing the forest for the trees”** by Prof. Viswanath Gopalakrishnan.

December 7: **“Multi-task learning architectures for end-to-end Automatic Speech Recognition”** by Prof. V. Ramasubramanian and Shreekantha A. Nadig from IIIT Bangalore.

January 18: **“Millimeter Wave Communication Systems for 5G and Beyond Technologies”**, by Prof. Amrita Mishra.

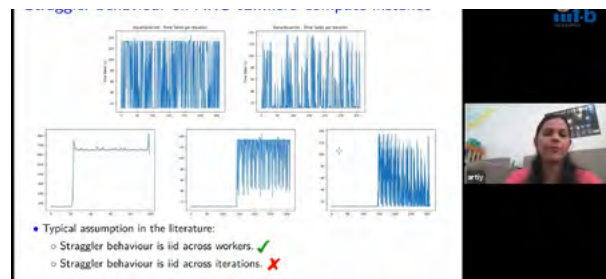


January 25: **“Swarm Robotics”**, by Prof. Sachit Rao.

February 5: **“Recent Trends in Spatial Data Science”** by Prof. Uttam Kumar.

February 15: **“Containerization -The Next Generation Virtualization for Cloud”** by Prof. Thangaraju

February 22: **“Coding for Machine Learning and Distributed Storage”** by Prof. Arti Yardi.



March 1: **“Online TSP on a Circle”** by Prof. V. N. Muralidhara.

April 5: **“In Band Full Duplex - A Promising Radio Technology to Double Spectrum Efficiency”** by Parthiban Annamalai.

April 12: **“Title: Energy Cost and Indoor Comfort Management in Semi-Public Buildings”** by Pradnya Gaonkar.

April 19: **“Sanskrit Chitrakavyas and its contributions to combinatorics”** by Prof. G N Srinivasa Prasanna.

Samvaad Weekly Talk Series by Guests

September 10: **“Understanding Disability and Access in the Global South: Some post-Humanist Questions”** by Prof Anita Ghai, School of Human Studies, Ambedkar University, New Delhi

September 28: EHRC-Samvaad Talk on **“Out of Distribution Detection in Microscopic Urinalysis”** by Tarun Dutt (Alumnus) and Indu Ilanchezian (Alumna)

October 5: EHRC - **“Technology in Brain Surgery”** by Dr Satish Rudrappa, [M. Ch (Neuro), FSS (USA, FRCS (Glasgow)], Director of Neurosciences, Sakra World Hospital, Bangalore

November 2: RMIT Samvaad Talk-The Circle Problem of Gauss, The Divisor Problem of Dirchlet, an Ramanujan’s Interest in them by Prof. Bruce Berndt, University of Illionoi, Urbana-Champaign

January 11: A journey from Computer science to Cognitive science by Dr. Vinay Dabholkar, Catalign Innovation Consulting

February 1, 2021: MOSIP - a global public good for digital identity by Prof. S. Rajagopalan, IIIT Bangalore.

February 8, 2021 : Recent Trends in Spatial Data Science by Prof. Uttam Kumar, IIIT Bangalore.

January 11: **“A journey from Computer science to Cognitive science”**, by Dr. Vinay Dabholkar from Catalign Innovation Consulting

March 15: **“Towards Foundations of Conceptual Modeling”** by Prof. Bernhard

Thalheim, (Retired from) Information Systems Engineering, Christian-Albrechts-Universität zu Kiel (Kiel University)

April 26: **“Cyber Security for Industrial Automation and Control Systems”** by Dr. Apala Ray, ABB.

Book Reading Sessions

September 2: Book Reading Session by Prof. Shiva Kumar Malapaka, IIIT Bangalore
Book: **MahaPrasthanam**; Author: Srirangam Srinivasarao.

October 7: Book reading session by Prof. Pradeesha Ashok, Assistant Professor, IIIT Bangalore. Book: **Randamoozham** by M T Vasudevan Nair and Ini Njan Urangattehe by P K Balakrishnan

October 28: Book reading session by Dr. Meenakshi D’Souza, Associate Professor, IIIT Bangalore. Title: **A selection of Bharathiyar’s poems**

November 11: **“Glimpses of Modern Sanskrit Literature”** by Prof. G. Srinivasaraghavan, IIIT Bangalore.

December 9: **“Hindi Language and Premchand Sahitya”** by Prof. Sujit Kumar Chakrabarti, IIIT Bangalore.

January 27: **“Dnyaneshwari”** by Prof. Manisha Kulkarni from IIIT Bangalore.

February 17: **“A Virtual Heritage Tour ಬೆಂಗಳೂರು-ಊರು (Bengalla-ooru)”** by Prof. Srinath Srinivasa, IIIT Bangalore

Alumni Activities

In the year, 2020-21, the Alumni Council of IIITB started several initiatives to educate students with their collective experience, knowledge and wisdom.

IIIT Bangalore Alumni Connect is a monthly event where members of the IIIT Bangalore alumni community can engage, learn, and share on various topics together with the faculty members and the Institute.

August 2020: Fireside chat with Prof. Balaji Parthasarathy was on the digital platform economy which was moderated by Siraj M A. Siraj, Director of Data & Analytics at Experion Technologies. He has been an active member of the community life at the Institute.

September 2020: Fireside chat with Prof. Srinath Srinivasa about his book- 'The Theory of Being: Systems science from a traditional Indian perspective'. Praseeda, a Ph.D. scholar at the Web Science Lab, IIITB moderated the discussion with Prof. Srinath Srinivasa.

October 2020: An informal discussion was held on the topic, 'Opportunities in Agricultural Sector' by Prof. Amit Prakash, Ananda Prakash and Jyotsika Khasnabish. Ananda is the Founder of Fasal, an IoT based AI-powered intelligence platform for horticulture crops. His core focus and expertise is in solving 'real' problems for people using technology as an enabler. Jyotiska is the Founder of KrishiHub, one of the top AgriTech startups in India.

ALUMNI CONNECT

OPPORTUNITIES IN AGRICULTURAL SECTOR

Amit Prakash
Professor
IIIT Bangalore

Ananda Prakash
Founder
Fasal

Jyotiska Khasnabish
Founder
KrishiHub

Registrations:
<https://cc.vaave.com/e/iiitb-webinar-3>

18th October 2020
4:00 PM - 5:00 PM



International Institute of Information
Technology Bangalore



In association with
VAAVE
Enriching Alumni Relationships

November 2020: Fireside chat with alumnae, Anagha Prasad and Tarini Chandrashekar discussed on the importance of storytelling and how one can implement it in real life. Anagha is a professional storyteller and a certified Yoga instructor. Tarini is an ex-data scientist who, after a year and a half into her job, realized her calling - storytelling, and comedy. A year in, after quitting her job, she dabbled in comedy, comic poetry, and storytelling. She founded Alakh Niranjana as a platform for kids to learn through stories and narratives.

ALUMNI CONNECT

INCLUSION AND ACCESSIBLE TECHNOLOGIES

Vidhya Y
Guest
Founder Trustee - Vision
Empower

Supriya Dey
Guest
Co-founder and Managing
Trustee - Vision Empower

Registrations:
<https://13x.app/e/iiitb-webinar-6>

31st January 2021
4:00 PM - 5:00 PM



International Institute of Information
Technology Bangalore



In association with
VAAVE
Enriching Alumni Relationships

January 2021: An interesting interaction on 'Inclusion and Accessible Technologies' by Vidhya Y and Supriya Dey. Vidhya is a gold medal winner in MSc Digital Society program from 2017 batch. Supriya graduated from IIITB with a Master of Science by Research in IT & Society in 2017. After meeting Vidhya at IIITB, she was inspired to work with children with visual impairment at a school in 2015, and eventually joined Vidhya to start Vision Empower at the IIITB Innovation Center.

April 2020: Fireside chat with Dipanjan Sarkar on the topic, 'Responsible and Explainable AI'. Dipanjan is a Lead Data Scientist, Author and has been recognized as a Google Developer Expert in Machine Learning by Google in 2019. He has also been recognized as one of the Top Ten Data Scientists in India, 2020 and 40 under 40 Data Scientists, 2021.

IIITB Digital Society Career Prospects Series was started to connect with MSc Digital Society alumni and get sense of the opportunities present for prospective DT specializing iMTEch students.

July 2021: Srravya is a 2020 alumna of the M.Sc Digital Society programme. She is currently a researcher at the MINRO centre at IIITB.

The IIITB Alumni Mentorship Series-Higher Studies Edition

It is a monthly event where members of the IIIT Bangalore alumni community to mentor students for their future PhD/MS applications.

Speakers:

December 2020: Kumaresh Krishnan

Kumaresh is a research scientist working on the interface of computer science, neuroscience and artificial intelligence (AI) at Harvard University.

February 2021: Anup Deshmukh

Anup, a Masters student at the University of Waterloo and will be continuing at University of Alberta and Alberta Machine Intelligence Institute (Amii) for his PhD studies.

April 2021: Neha Tarigopula

Neha is a PhD student at EPFL. She is also working as a research assistant while being affiliated with Idiap Research Institute.

July 2021: Abhijay Vuyyuru

Abhijay has four years of international work experience managing and delivering AI products for the HILTI Group in the geographies of Kuala Lumpur, Switzerland and France.



Alumni Achievements



- Co-founded by Khadim Bhatti, **Whatfix** a digital adoption solutions platform closed a \$90 Million Series D round, led by SoftBank Vision Fund 2, tripling their valuation since 2020. Whatfix strengthened its partnership with Microsoft to improve Digital Adoption by launching Whatfix Assist App Exclusively for Microsoft Teams and also partnered with them on Microsoft Dynamics 365. It has won several accolades including the Inn Tech Award for Tech Entrepreneur of the Year by Khadim and Cross Border Business Growth Award by Entrepreneur 2021 among other awards. Whatfix was listed in the LinkedIn Top StartUp 2020, 2022 Best Tech Startups in San Jose by The Tech Tribune and Hurun India Future Unicorn List 2021.
- Dr. Sunil Kumar Vuppala was appointed as **"ACM Distinguished Speaker"** (Talks by Technology Leaders, Innovators and International Thought Leaders).
- Dr. Sunil Kumar Vuppala, won "Technical Role Model - (Emerging Technology - AI & Big data analytics)" award category in Zinnov awards 2020.
- **Dipanjan Sarkar**, was selected as one of the **"Top 10 Data Scientists, 2020"** by Analytics India Magazine.
- **Aparna Gupta**, was one of the **speakers at the prestigious "WiDS2020"** conference held and organized by IIM Bangalore.
- **Gaurav Koley**, won the **"Best paper award"** for his **iM.Tech thesis research at the 12th International Conference on Social Informatics (SocInfo 2020)**. The paper was co-authored with Jayati Deshmukh (PH2018023) and Prof. Srinath Srinivasa (Dean - R&D).
- **Vinay C K** was **joint winner of Innovative Student Projects Award 2020**, for his thesis was selected by the **Indian National Academy for Engineering (INAE)**.
- **Dr. Sunil Kumar Vuppala** was awarded the **Engineering Manager of The Year (EMOTY) 2020 by IEEE TEMS India**. EMOTY Award is the prestigious award given to the best engineering professionals by IEEE TEMS India.
- Dipanjan Sarkar was honored for being one of the recipients of the **40 Under 40 - Data Scientists Award, 2021**.

Faculty Awards

- Prof. Balaji Parthasarathy and Prof. Preeti Mudliar were awarded €13,550 by the Mobile World Capital Foundation, Barcelona, for a study titled, **“Gender, professionalization, and digital platforms: The case of beauticians in India.”**
- The paper titled “Time Matters: Flexi-time and women’s retention in the 24/7 workplace” by **Ph.D. student Oindrila Matilal** (under the supervision of Professor Janaki Srinivasan) awarded the **David B. Martin Best Paper Award at the 18th European Conference on Computer-Supported Cooperative Work**, Siegen, Germany, June 13-17, 2020.
- Manpreet Kaur Jaswal (PH2016006) and Prof Subir K. Roy, IIIT Bangalore won the “Best Paper Award” for their work “DynRP- Non- Intrusive Profiler for Dynamic Reconfigurability” at IEEE – 24th International Symposium on VLSI Design and Test (VDAT 2020), held between July 23-25, 2020.
- Prof. Debabrata Das was selected as the Project InCharge (PI) in October 2020 for a DST project under the National Mission for Interdisciplinary Cyber-Physical Systems (NM-ICPS) in the areas of Advanced Communication System. The project is to set up a Technology Innovation Hub (TIH) at IIIT Bangalore in the areas of 5G and Beyond





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10.COVID-19 INITIATIVES



Online Education and Examination During Pandemic

When the lockdown was announced in March 2020, within 20 days, IIITB started gearing up to meet the academic requirements of online teaching. Within few weeks' various platforms for online teaching were evaluated. The Institute procured zoom licenses for faculty members and began online classes successfully. Already existing resources such as LMS helped us to easily and effectively transform formal education into online mode of communication. IIITB could very well adapt and evolve as well shifting to the online education landscape. Paramount importance was given to the academic calendar because any disruption would cause cascading effect on every aspect academic process.

During August-December 2020, IIITB adopted 'Continuous Evaluation' using quiz and assignments to evaluate students reasonably well. In order to conduct uninterrupted online exams, the Institute evaluated several platforms and finally selected 'CodeTantra'.

For Term II of academic year 2020-21 that started in January 2021, online mid-term and term examinations were conducted using Online examination services offered by CodeTantra after evaluation. To avoid any malpractices, we started with proctoring process for the Mid-term examination held during January-April 2021. Online proctored examinations were conducted in lieu of traditional in-person examinations for all applicable courses of IIITB.



Starting from admissions in August 2020, document verifications and onboarding of students were done virtually. Academia ERP or ERT allowed students to upload and verify their certificates or documents and orientation was also done virtually. Entrance exams for MS/PhD programs was conducted online. IIITB explored several platforms and identified Wheebox platform for conduction online entrance exams. Proctored online exam was followed by online interviews for the candidates. The entire 2020-21 academic year was managed without students visiting the campus.

These exams were treated on par with the in-person examinations for all compliance purposes as might be required under AICTE and UGC operating procedures during COVID-19 pandemic.

These exams were conducted online in order to facilitate the candidates to take up the exams remotely and required them to assure utmost sincerity and fair practice of student guidelines that were set during the training.

Tweaked Processes for Efficiency

- Microsoft Teams was extensively used for all internal meetings of the Institute such faculty meetings, Senate and Board meetings.
- In the beginning of online/ WFH, for authorization of work Adobe e-signature was used which was later replaced to Zoho e-sign.
- The Institute procured new set of gadgets for faculty members-iScribe from iTeltronics. It was used as a substitute for white board. It works like a normal writing pad with an EM Pen. The content would be digitally captured in real-time and transmitted to the computer screen.



Even though the transition to virtual education happened effectively, the journey also had several challenges. Fine tuning the examination and grading guidelines to suit the online assessments was a big hurdle. For example, many students had problems in accessing internet that obstructed the weightage for attendance. However, our online platforms allowed us to track if students attended live classes or watched recording of lectures thus not affecting the attendance criteria.

A Safe and Strict Guidelines Maintained During Pandemic

It was clear to all of us at IIITB that the lockdown helped to flatten the curve to a great extent. However, for the new academic session which was about to begin, IIITB believed that there is a strong necessity to be “prepared” and needed a customized and suitable plan to deal with any eventuality arising due to the COVID-19 before resuming the activities on the campus. The safety, health and well-being of the students, faculty members and staff was the top priority when IIITB decided to open to students in a phase out manner.

The course of action of the campus administration during the unlock was rigorous testing and absolute strictness in implementation of quarantine/ isolation/evacuation. The implementation of remaining operative guidelines was a collective responsibility of students/staff/faculty on campus,

and continued messaging/communication amongst all stakeholders.

The state of the campus was categorized based on the timeline of identification of any positive COVID-19 cases on campus. The campus from reopening hostels till any positive case is identified, is referred to as “Steady State”. Once the campus goes through identification of positive cases until evacuation, the state of the campus is referred to as “Critical State”. After the evacuation, the campus is in “Shutdown State”. The COVID task force (CTF) was set up to manage and help in all situations. The members of the CTF helped with facilitating requirements for travel for students, e.g., arranging for RTPCR tests and packed meals, assigning cloak rooms, etc.

Handling Positive Test Cases & Critical State

COVID-19 positive cases were determined based on:

- the weekly pool testing and subsequent RTPCR test;
- RTPCR testing done as per doctor's advice or by own will, upon being symptomatic or for other pertinent requirements

Following plan-of-action was implemented for such campus residents:

- The campus paramedic and some security personnel escorted the identified campus resident to the Isolation Zone.
- The concerned hostel warden and/or Registrar would ensure the patient's medical requirements.
- The campus doctor would check the patient during the scheduled doctor's visitation time

Campus COVID-19 Safety Protocol for all student/staff/faculty resident/visiting campus were:

- Wearing masks in common areas, double-masking was advised.
- Avoid groups or crowding for extended time period in common areas.
- The COVID-19 campus curfew hours were 9 pm to 6 am. The hostel residents had to strictly follow this, as this is in accordance with the rules mandated by the Government of Karnataka.
- Undertook mandatory pool testing for all campus residents and other personnel on campus.
- Pool testing was mandatory for campus residents. Only the campus doctor was authorized to waive this requirement for campus residents.

Isolation Zone for COVID-19 Patients arrangement was as follows:

- Visvesvaraya block - 2 top floors for men, and 2 bottom floors for women were allocated
- Packed meals - BF/lunch/snacks/dinner - provided to occupants.
- Help was provided from the campus administration and the CTF for the purchase

of medicines, as per doctor's prescription

- Based on the advice of the campus doctor, in the event of CT scans and other consultations were required at the hospital, the campus administration arranged for an ambulance.

when IIITB decided to open Campus to students in a phased-out manner,, IIITB created a safe environment where students who came to the campus were isolated for 7 days. While all the classes were still being held online, many students wanted to return to the campus as they were facing infrastructure constraints at home that included poor internet connectivity and power disruption. The first batch of students started returning at the end of July, 2021. The canteen services slowly resumed with strict COVID-19 guidelines.

- There were specific COVID 19 management and guidelines set by FSSAI/WHO handle the crisis by IIITB's canteen vendor, Quess Corp Food Service.
- Multiple entry points were restricted for staff to enter kitchen area for easy monitoring. Placed hand sanitizers at entry point.
- Encouraged hand washing for minimum 20 Seconds with 7 steps method.
- Food Handlers were made aware about COVID-19 symptoms.
- COVID-19 Screening protocol followed with temperature record in the register/checklist. Each staff temperature screening was documented before arrival to work and after work.
- Deep cleaning was carried out on a regular basis to remove the deep grime and dirt with in the premises. Deep cleaning was carried out every week.
- Ensured all frozen or refrigerated food were procured only at or below 5 degrees Celsius.
- Strict personal hygiene was followed during the store operations and any personnel entering shall always wear mask/head caps.
- Dedicated vehicles were used for food transport and were cleaned and sanitized on daily basis.
- Dining tables were restricted with maximum seating capacity upto 4 persons only.
- Extended the time of serving food, each session to 30 minutes for smooth flow and management.

COVID -19 Projects

Research and innovation in Information Technology and humanitarian efforts in the context of the COVID-19 pandemic has been the need of the hour. IIT Bangalore considered the COVID-19 crisis as an opportunity to research, innovate and respond to address the pressing health and social challenges as well as to secure society's long term resilience.

IIT Bangalore encouraged applied research in the area of COVID-19 healthcare and took on several joint research projects that made a significant contribution in tackling COVID-19.

BelYo platform to record COVID-19 Test Results for Contact Tracing Apps

The verification of COVID-19 test reports of an individual at an entry point such as airports, hospitals or workplace is a time consuming process. An application where such results are digitally could be created and shared to any 3rd party application (via API's) which can be accessed with user consent could be an easier process. The joint research between IIT Bangalore and Yosync (Synk Labs Private Limited), an IT firm developed 'BelYo', a clinical module for COVID-19 testing labs for creating test results on blockchain which could be



#	Name	ID	KYC	Sample collected	Results date	Test results	Status
1	Mr. Samath C	P123	✓	Jan 20, 2020	Jan 22, 2020	Positive	Completed
2	Ms. Shree Prasad	P987	✓	Jan 20, 2020	Jan 22, 2020	Negative	Completed
3	Mr. Karan D K	P234	✗	Jan 20, 2020	Jan 22, 2020	Positive	Completed
4	Ms. Shree Prasad	P567	✓	Jan 20, 2020	Jan 22, 2020	---	Pending
5	Mr. Karan D K	P345	✓	Jan 20, 2020	Jan 22, 2020	Positive	Completed
6	Mr. Samath C	P543	✓	Jan 20, 2020	Jan 22, 2020	Negative	Completed
7	Ms. Shree Prasad	P678	✓	Jan 20, 2020	Jan 22, 2020	---	Pending
8	Mr. Samath C	P789	✓	Jan 20, 2020	Jan 22, 2020	Negative	Completed
9	Mr. Samath C	P345	✓	Jan 20, 2020	Jan 22, 2020	Positive	Completed

accessed by any contact tracing or equivalent through API's. BelYo also enables colour coded results to make the process faster-positive red, negative in green, never tested were in blue etc.

'Bengaluru for Humanity' COVID-19 support application

Misleading information about COVID-19 healthcare created fear and anxiety among patients. The availability of the right data at the right time on a single platform was an immense relief to COVID-19 patients. Keeping this in view, IITB and CII Young Indians co-created 'Bengaluru for Humanity'. It is a COVID-19 support application created to provide real-time, verified data on healthcare availability and support services. The 'Bengaluru for Humanity' application was developed, and information verified and uploaded in less than 48 hours. This was a joint initiative by IITB & CII Young Indians.



Verified COVID-19 Information is only a click away!

Bengaluru FOR HUMANITY

www.blrforhumanity.com

An Initiative by CII Young Indians and IITB Innovation Centre

Scan this code with your phone or tablet to preview it.

Jharkhand Migrants Helpdesk Platform

COVID-19 pandemic and the subsequent lockdown led to huge challenges and struggles for migrant workers especially those from poor states like Jharkhand working in low-income, unskilled and semi-skilled jobs. PHIA Foundation working together with the government of Jharkhand set up the Migrants Helpdesk at Jharkhand State Secretariat in Ranchi. E-Health Research Center working with PHIA Foundation established the Migrants Helpdesk Digital platform towards recording of

grievances and distress calls, migrant registrations, travel registrations, reporting to and coordination with nodal officers, coordination with CSOs and so on. Around 1 lac grievances and more than 8 lac travel requests were recorded using the digital platform which was used by the government functionaries and civil society organizations for reaching out to migrant workers, coordinating with other state governments, helping migrant workers with food, shelter and travel arrangements for travelling back to Jharkhand.

PSYCH-CARE

PSYCH-CARE

Connect, Ask, Reflect with Experts

The challenges related to COVID-19 have been causing heightened stress and distress primarily due to factors like an increased sense of uncertainty about the future, loss of familiar routine and structure in daily life, distance from loved ones, a sense of isolation, changes in living standards, a reduced sense of mastery

over one's life situation, etc. Health workers from multiple fields, including psychologists, social workers, counsellors, therapists, mental health professionals and other health professionals are involved in offering psychological support to individuals experiencing increased stress and distress related to COVID-19. In collaboration with NIMHANS, E-Health Research Center created a web-based PSYCH-CARE platform to raise questions and reflect, together with a panel of experts, and identify helpful ways of offering psychological support in the COVID 19 crisis and help them in sharpening their skills.

Covid-19 Decision Support System

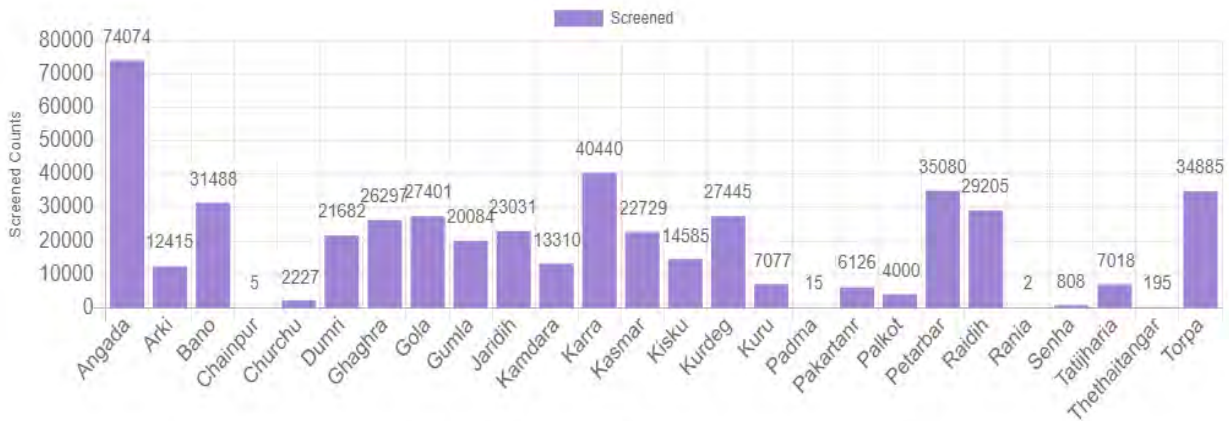
During the first wave of COVID-19 pandemic in India, E-Health Research Center (IIITB) under the MPhasis Center of Excellence funding, and in collaboration with HealthLife Ventures and DH India conceptualized and developed a Covid-19 Clinical Decision Support System (CDSS) to support multiple clinical protocols

for assisting the frontline clinics and doctors in COVID-19 screening. This platform was designed for supporting multiple protocols, aligned with openEHR standards and APIs were exposed for integrations. This CDSS service was later customized for usage by Health workers and also used for E-JIDHAN Project in Jharkhand.

E-JIDHAN Project

In collaboration with PHIA Foundation and Patharitech Private Ltd under an initiative (called "JIDHAN"), EHRC conceptualized a broader platform called "e-JIDHAN" primarily for symptomatic screening, tracking, reporting and supporting of rural population during the Covid-19 battle in selected blocks of Jharkhand. This also has modules for dashboards and governance. This initiative was overall funded by Azim Premji Philanthropic Initiatives (APPI)

under which a consortium of three NGOs (PHIA Foundation, Pradaan and TRIF) trained and deployed field workers for assisting the rural citizens in the COVID-19 battle. The platform which was launched in November 2020 has proved to be very helpful during the second wave of the pandemic which affected even the rural populace of Jharkhand. Till date around 4.8 lac COVID-19 screenings have been done using this platform across 2091 villages of 336 panchayats across 33 blocks of Jharkhand.



COVID-19 Dashboard for Govt. of Karnataka

During the early outbreak of COVID-19 in Karnataka in March 2020, IIITB helped the Government of Karnataka’s COVID-19 Task Force in building a dynamic analytics dashboard. While the Task Force was busy handling the ground situation, they were also in to assembling a team to create technology support for the Task Force. The initiative to build a dynamic dashboard based on real data was led by Prof. Chandrashekar R from IIITB and supported by Useready, a start-up, established by IIITB Alumnus Uday Hegde. The dashboard was hosted in Government of Karnataka’s COVID-19 website.



Visvesaraya Block was Converted into COVID-19 Medical Care Center for Police

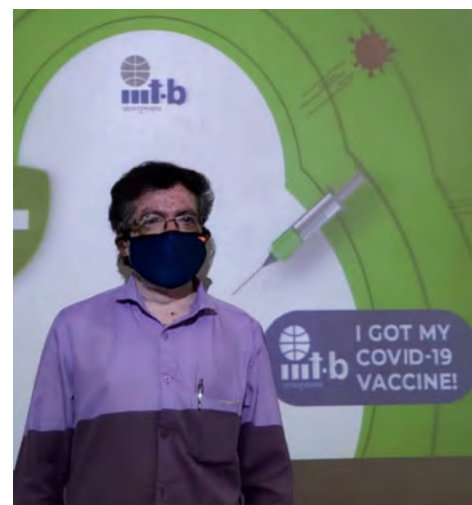
The police personnel deployed on front-line duties along with their regular routine police station duties during pandemic were the most hit with COVID-19. They required treatment and home isolation. In order to give them treatment and isolation space, IIITB set up a facility with 50 beds at Visvesvaraya Block. It was inaugurated by the Police Commissioner of Bangalore Shri.

Kamal Pant. Kauvery hospital provided paramedic staff, doctors, medicine, oxygen concentrator and other medical equipment. A healthy and hygienic environment was ensured along with nutritious food. The COVID-19 medical care for police personnel was provided from May 6 to July 1, 2021.



COVID-19 Vaccination Drive on June 4, 2021

IIIT Bangalore in keeping with its ethos of taking care of its campus health and safety, organized a first COVID-19 Vaccination Drive in collaboration with Manipal Hospitals on June 04, 2021 in the campus. Staff, faculty and supporting staff along with their families were vaccinated.



11. FINANCIALS



31-March-2021

31-March-2020

INCOME

Tuition Fees | Hostel and Facility Fees | Academic Activities | Interest on Bank Deposits
Other Receipts | MIT Mentoring Income

2,19,92,87,705

1,60,40,18,918

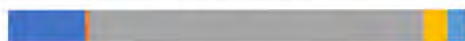
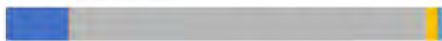
**EXPENDITURE**

(before depreciation)

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

1,67,90,22,700

1,25,10,97,928

**SOURCE OF FUNDS**

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

1,76,27,69,564



1,13,01,66,696

**NET CURRENT ASSETS**




1,37,95,15,981

87,26,75,154



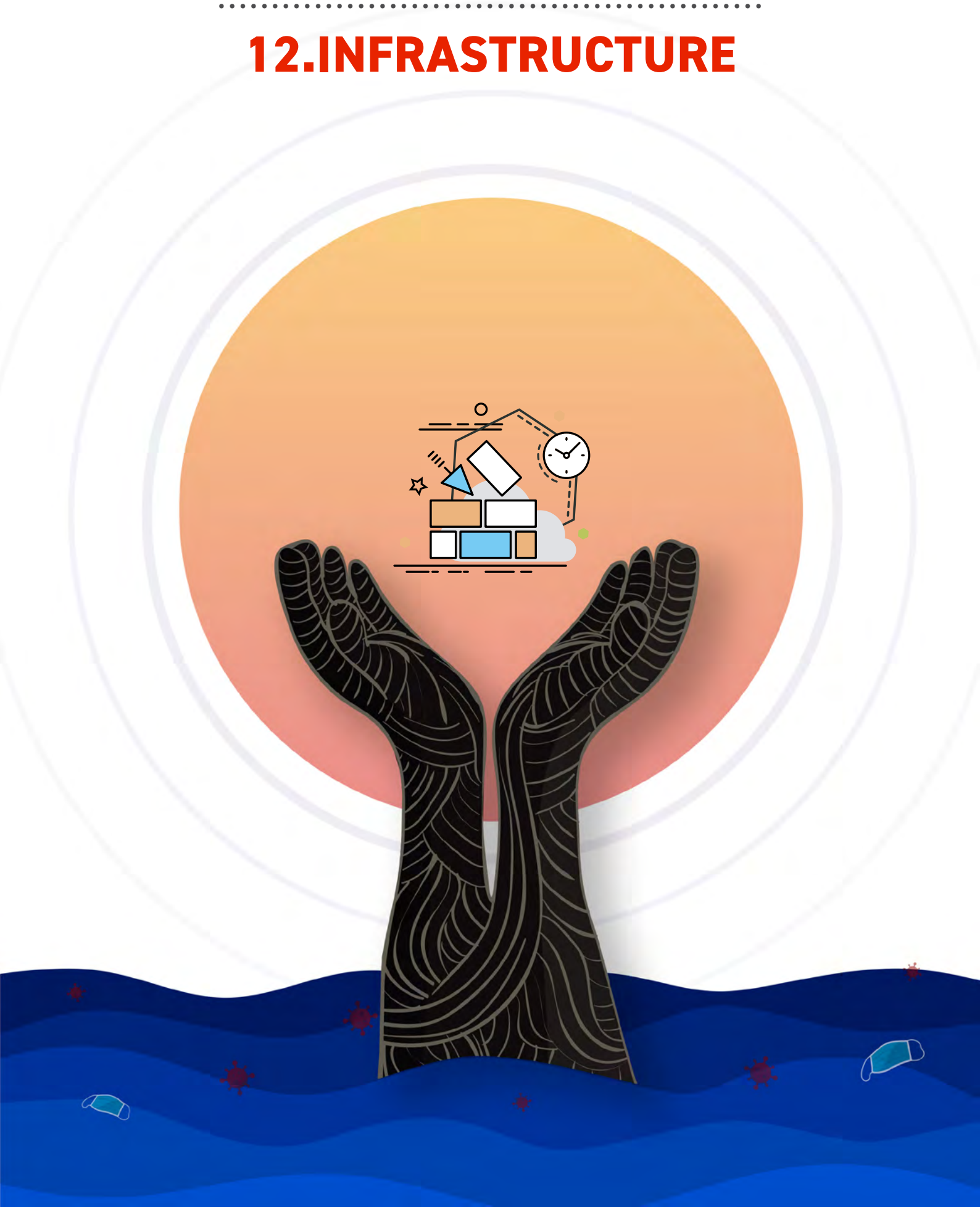
International Institute of Information Technology - Bangalore 26/C, Electronics City, Hosur Road, Bangalore - 560 100			
Balance Sheet as at 31st March 2021			
(Rs.)			
SOURCE OF FUNDS	Sch.No.	31-Mar-21	31-Mar-20
Unrestricted Funds:			
Capital Grants	A	28,37,00,000	28,37,00,000
Corpus Account	B	71,16,30,160	44,28,62,394
General Fund	C	48,06,46,455	22,89,18,363
Restricted Funds:			
Research Grants	DA	21,41,86,571	8,55,76,201
Grants for Scholarship	DB	2,70,75,792	3,74,28,186
Chair Professorship	EA	2,99,12,766	3,07,05,444
Endowment funds	EB	28,21,236	26,38,626
Designated/Earmarked Funds	EC	1,27,96,584	1,83,37,481
Total		1,76,27,69,564	1,13,01,66,696
APPLICATION OF FUNDS	Sch.no.	31-Mar-21	31-Mar-20
Property, Plant and Equipment:			
Net Block	F	38,32,53,583	25,74,91,538
Current Assets, Loans & Advances:			
Advances & Receivables	G	9,11,48,886	6,53,62,119
Deposits	H	5,29,890	3,19,900
Prepaid Expenses	I	69,99,075	73,13,095
Cash & Bank Balances	J	1,43,08,29,977	1,08,65,40,477
MIT Project Current Assets	X1	5,03,16,626	8,45,92,363
		1,57,98,24,454	1,24,41,27,955
Less : Current Liabilities & Provisions:			
Current Liabilities	K	13,73,26,509	30,95,08,167
Provisions	L	2,59,29,361	2,79,47,437
MIT Project Current Liabilities	X2	3,70,52,603	3,39,97,197
		20,03,08,473	37,14,52,800
Net Current Assets		1,37,95,15,981	87,26,75,154
Total		1,76,27,69,564	1,13,01,66,696
Significant Accounting Policies & Notes forming part of Accounts	Y		
For International Institute of Information Technology Bangalore  Prof. Debabrata Das Director Place: Bangalore Date: 02.09.2021		As per our report of even date For Rao Associates Chartered Accountants With Reg. No. 003080S  Sandeep S Shekar Partner Membership No. 232631	



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 2021			
Income	Sch.No.	31-Mar-21	31-Mar-20
Tuition Fees	N	2,04,48,38,146	1,41,23,72,151
Hostel and Facility Fees	O	3,39,51,350	4,05,44,917
Academic Activities	P	5,05,56,851	4,54,28,135
Interest on Bank Deposits	Q	5,14,30,664	4,31,28,423
Other Receipts	R	1,33,67,564	4,77,41,185
MIIT Mentoring Income	X3	51,43,130	1,48,04,108
TOTAL (a)		2,19,92,87,705	1,60,40,18,918
Expenditure	Sch.No.	31-Mar-21	31-Mar-20
Faculty & Staff Expenses	S	23,89,54,532	21,00,29,223
Student Expenses	T	61,31,383	1,29,74,348
Academic Expenses	U	1,36,32,88,234	91,21,28,151
Infrastructure Expenses	V	4,33,26,330	6,34,54,004
Administrative & General Expenses	W	1,92,57,010	4,97,75,681
MIIT Project Expense	X4	80,65,211	27,36,522
TOTAL (b)		1,67,90,22,700	1,25,10,97,928
Excess of Income before Interest, Depreciation and Appropriation (a-b)		52,02,65,005	35,29,20,990
Depreciation on Assets	F	(1,85,36,913)	(2,00,62,332)
Excess of Income before Appropriation		50,17,28,092	33,28,58,658
Appropriation: Transferred to Student Benevolent Fund		-	47,43,447
Appropriation: Transferred to Corpus Fund		25,00,00,000	20,00,00,000
Surplus/ (Deficit) for the year transferred to Revenue Account		25,17,28,092	12,81,15,211
Significant Accounting Policies & Notes forming part of Accounts	Y		
As per our report of even date			
For International Institute of Information Technology Bangalore  Prof. Deabrata Das Director Place: Bangalore Date: 02.09.2021	For Rao Associates Chartered Accountants Firm Reg. No. 003080S  Sandeep S Shekar Partner Membership No. 232631		
			

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12.INFRASTRUCTURE





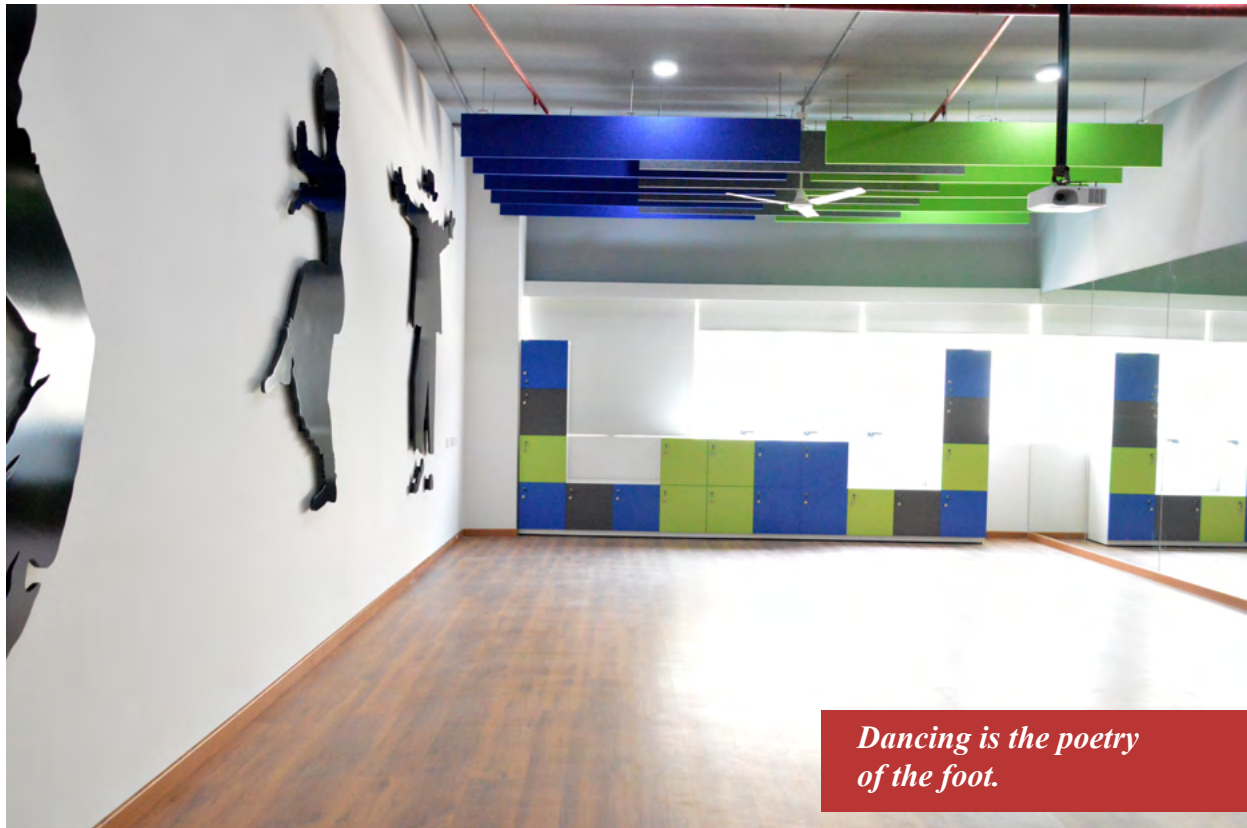
IIIT Bangalore constantly upgrades the infrastructure facilities in order to improve the overall teaching and learning processes thereby ensuring good comfort for teachers to impart knowledge.

New Labs in Second Floor, Ramanujan Block was inaugurated by Prof. S Sadagopan, Director of IIIT Bangalore in the presence of the faculty, students and the staff in February 2021.

Infrastructure addition in 2020-21

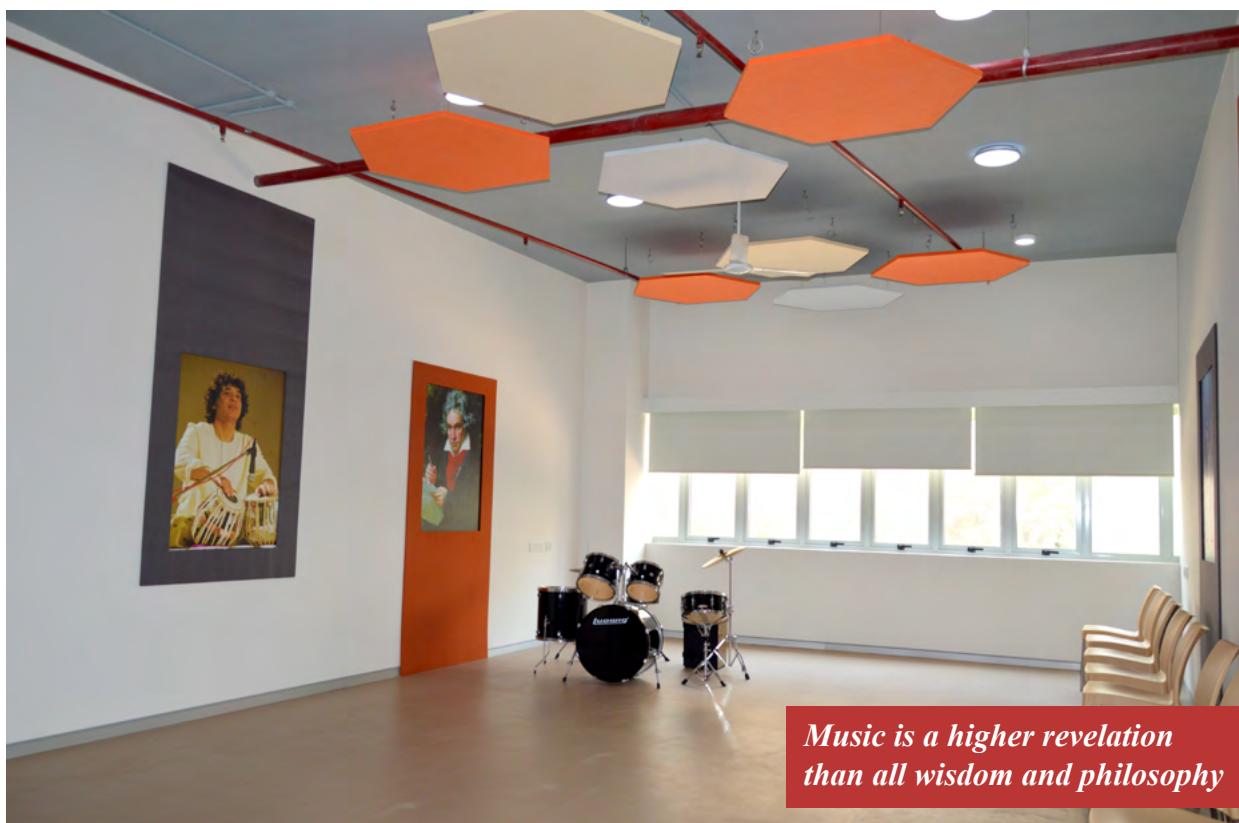
- A new Music Room with an area of 560sft
- A new Dance Room with an area of 560 sft
- A new SAC Meeting Room with an area of 375 sft
- Purchased electric trolley, designed and manufactured by IIITB incubated company, Greendzine for transporting food
- Added hot and cold-water dispensers in hostel blocks (23 Nos.)
- Created new residential facility for additional 12 catering staff
- Library old chairs are replaced with new chairs (85 Nos.)
- Aryabhata's stationary room renovated with racks
- All old air conditioners at ground and first floor of Aryabhata are replaced with new air conditioners with 142Tons capacity
- Furnished new Robotics Lab at Ramanujan (R-204)- area 1,366 sft
- Furnished additional 2 meeting rooms and 2 Lab facilities at first floor of Ramanujan building (built-up area of 1,360 sq.ft).
- Renovated water tank in front of Ramanujan for smooth movement of vehicles and fire engines.
- Constructed and furnished second floor of Ramanujan building with 13 seamless labs with an area of 10,420 sft, 3 Class rooms with an area of 2,720 sft and 3 meeting rooms with an area of 1,290sft.
- Levelled green grassed the front area of cricket ground.
- Installed LED lights at library and administration area
- Constructed new rain water collection tank of 1.2 Lakh litre capacity near Basket Ball court

Dance Room



*Dancing is the poetry
of the foot.*

Music Room

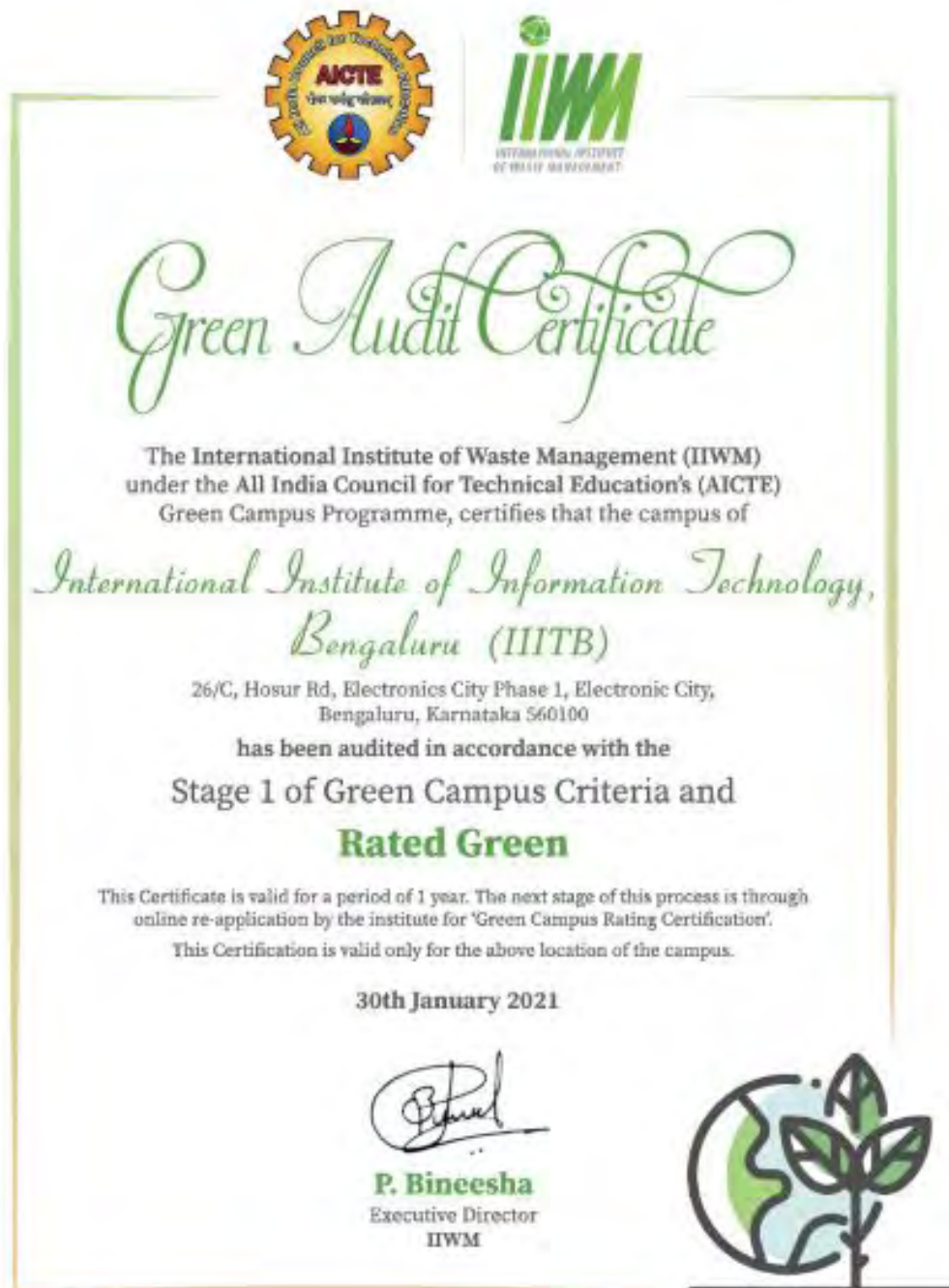


*Music is a higher revelation
than all wisdom and philosophy*

Green Rating

Ever since IIIT Bangalore campus started operating in Electronic City, the Institute has carefully planned and implemented advanced methods of greening the environment.

The energy optimization, waste management and water conservation initiatives of IIIT Bangalore are acknowledged by International Institute of Waste Management (IIWM) and All India Council for Technical Education (AICTE), who have jointly certified our institute as 'Rated Green' campus. IIIT



Bangalore is also accredited IIIT Bangalore as "Green University in Platinum Category for 2017-20.

New Auditorium in Ramanujan Block was Inaugurated



On the morning of June 29, a long cherished dream came true. After months of planning, engineering and hard work, the newly constructed Auditorium, situated on the third floor of Ramanujan Block was inaugurated.

The new auditorium is equipped with the most modern and audio-visual facilities and a massive seating capacity of 1055. The soundproof auditorium has auto recording facility. It is fitted with a projector, effective & modern light and sound system and air conditioning. All the major functions of the Institute and various competitions can be held in this auditorium which gives a variety of exposure to the students in showcasing and grooming their inborn talent. The facility is awaiting approval from fire service and civic authorities.



Prof. Sadagopan Lecture Hall was Inaugurated



A 200-seater main classroom - R103 in Ramanujan Block was named after Prof. Sadagopan, ex-Director of IIIT Bangalore as a tribute and to mark his contributions to the Institute and was inaugurated on June 29. It has five displays that includes three projectors and two TVs. Four home theatre-based microphones provide best sound quality. It also includes lecture capturing cameras for Learning Management System.



13.LABS



Remote Lab Experience Offered to IIIT Bangalore Students

IIIT Bangalore has not let innovations forged in the time of COVID-19 fall by the wayside. Pandemic has made us think about different types of delivery of courses in Engineering and other education streams. Engineering laboratory courses especially the core ECE undergraduate is a major challenge. The Institute developed solutions to this problem during the pandemic and one such endeavor was Lab at Home (LH) approach-'if students cannot come to campus, we can send campus (electronic-kits) to students'.

A glimpse of Lab at Home (LH) approach

- Compiled Student Kit and was shipped in the first week of July to all 28 ECE students.
- All possible digital circuits including discrete gates, combinatorial circuits, sequential circuits—counters, shift-registers, finite state machines were experimented using IC's on breadboard and visualized using LEDs. Arduino board's regulated Vcc was used to power the circuits.
- Additionally, sensors, DC/Servo-motors driving, push-button and 7-segment display were introduced using Arduino embedded system.
- RC-filters, Diodes, and Opamp circuits were simulated using Multisim.
- Delivery and Grading using LH approach
- Instructor Lab-videos were pre-recorded, followed by student's experiments and 1-minute student recording were uploaded for evaluation.
- Reduced the Lab-reports to only analog circuits such as RC filters, diodes, and Opamp based inverting and non-inverting amplifier circuits using simulators.
- Conducted Five exams, where students were asked to build and demonstrate the circuit to the invigilator via zoom-call (breakout rooms).
- Based on the success and good feedback from students, LH would be provided for Microprocessors course, conducting virtual lab for Field Programmable Gate Array (FPGA) System design course and for a Robotic course in the future semester.

On the similar lines, FPGA Lab setup was also offered the benefit of lab experience at home.

Highlights of the Lab at Home (FPGA)

- Remote programming
- VL 504 System design with FPGA
- Connecting to remote server
- Two hour slots allotted to students on both days.
- Program written on their own machines till the last step. The last programming step needs to wait till the weekend.
- IT support was through VPN access and lab tool setup.
- Motivated by "Swadesi Microprocessor challenge" of IIT-M Shakthi processor and CDAC Vega processor labs.



Machine Intelligence and Robotics Center

In the year 2020-21, Machine Intelligence and Robotics Center (MINRO) initiated some of the key projects



UPSC Mock Interview Assistance System with Reimagining India EduInnovations - A proof of concept of application of Virtual Interviewing Agents to assist with UPSC mock interviews was developed and was launched as the "Margadarshi" platform.

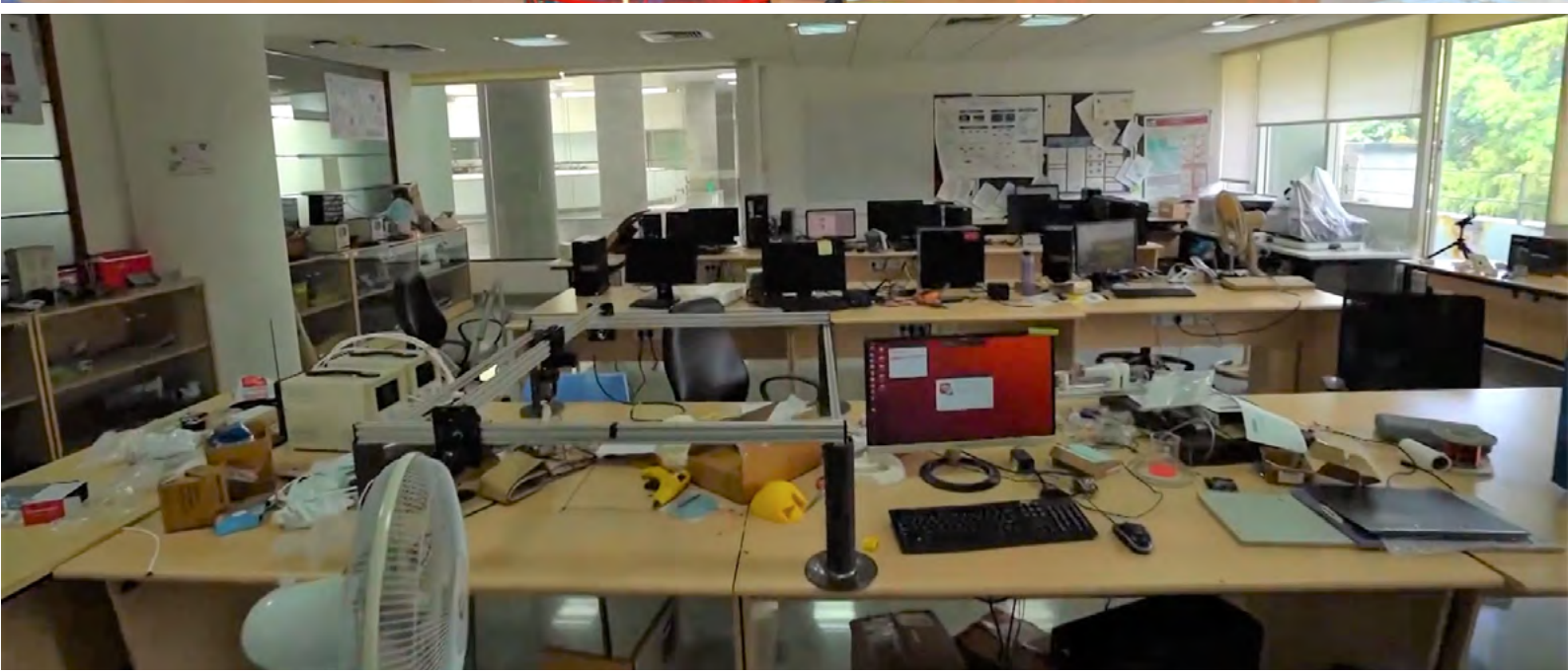
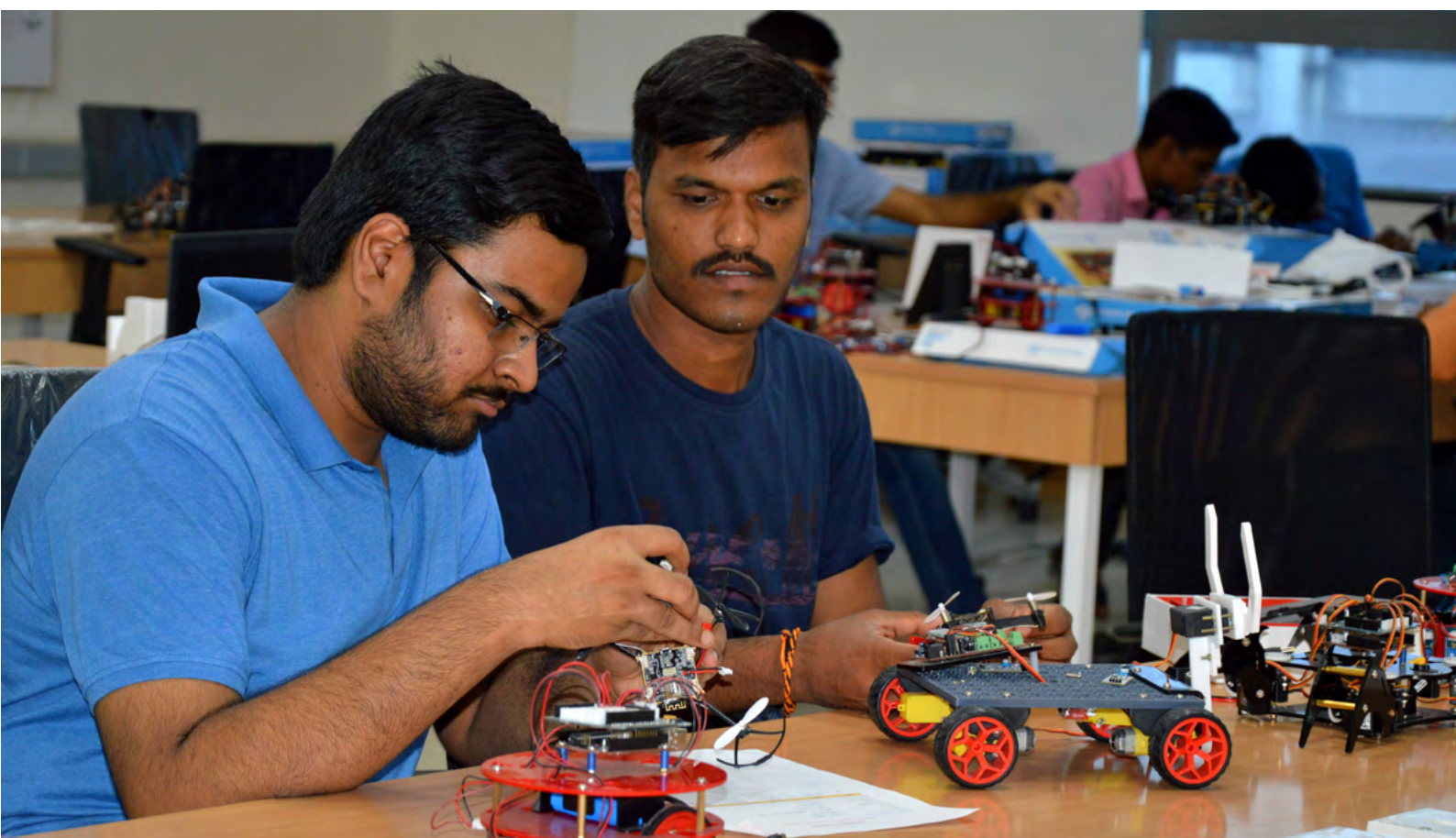
Covid India Ventilator with Timetooth Technologies - As a response to the pandemic situation MINRO sponsored the development of a medical grade, qualification tested, reliable, open source, low cost ventilator with predominantly indigenous sourcing and manufacturing in a reasonably short time.

Warehouse Robot with Greendzine Technologies - The objective is to develop a unified system for the autonomous identification and manipulation of 3-D objects with diverse physical properties. The system will need to identify the position and orientation of 3-D objects, to identify locations on the object which can be used for grasping and manipulation and to grasp and manipulate the identified object

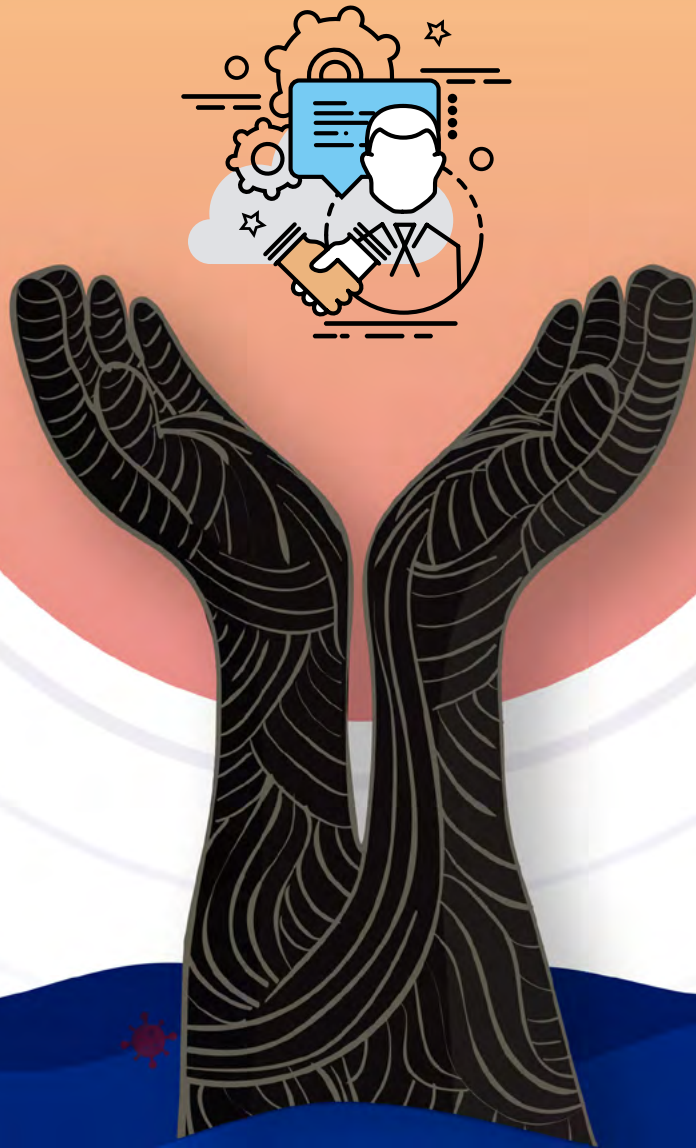
Research on the Robotic Exoskeleton Assisted Rehabilitation System (REARS) with Bionic Yantra

AI/ML Approach to Analysis of Whole Slide Images for Neuropathology - The objective of this project is to develop a tool for the visualization of the predictions of Mitosis and Necrosis from the neuropathology whole slide images and for automated generation of annotations.

Query guided Object Localization and Recognition for Robotic Assistance Deployment in Indoor Environment - Automatic object recognition and localization are an important component in many tasks involving robotic vision. The project is looking at the problems of identifying the object of interest in a scene especially if the scene has clutter involving many objects and guided object recognition and localization using instructions from a human counter-part.



14. PEOPLE



Faculty members



**Prof. Amit
Chattopadhyay**

Ph.D. (University of Groningen)



Prof. Amit Prakash

FPM (IIM Bangalore)



Prof. Amrita Mishra

Ph.D. (IIT Kanpur)



Prof. Arti Dilip Yardi

Ph.D. (IIT Bombay)



Prof. Ashish Choudhury

Ph.D. (IIT Madras)



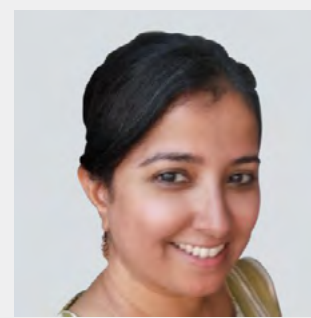
Prof. Balaji Parthasarathy

Ph.D. (University of California
Berkeley)



Prof. Balakrishnan Ashok

Ph.D. (University of
Massachusetts Amherst)



Prof. Bidisha Chaudhuri

Ph.D. (Universität Heidelberg)



**Prof. Chandrashekar
Ramanathan**

Ph.D. (Mississippi State
University)



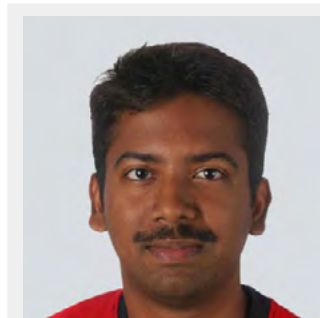
Prof. Chetan Parikh

Ph.D. (University of Florida)



Prof. Debabrata Das

Ph.D. (IIT Kharagpur)



**Prof. Dinesh Babu
Jayagopi**

Ph.D. (École Polytechnique
Fédérale de Lausanne)



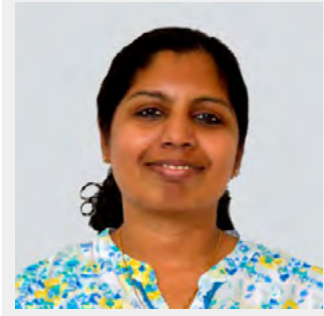
**Prof. G N Srinivasa
Prasanna**

Ph.D. (Massachusetts Institute of
Technology)



Prof. Janaki Srinivasan

Ph.D. (University of California
Berkeley)



**Prof. Jaya Sreevalsan
Nair**

Ph.D. (University of California
Davis)



Prof. Jyotsna Bapat

Ph.D. (Pennsylvania State
University)



Prof. K V Dinesha

Ph.D. (IIT Bombay)



Prof. Madhav Rao

Ph.D. (University of Alabama)



Prof. Manish Gupta

Ph.D. (University of Illinois at
Urbana Champaign)



Prof. Manisha Kulkarni

Ph.D. (IMSc Chennai)



Prof. Meenakshi D'Souza

Ph.D. (IMSc Chennai)



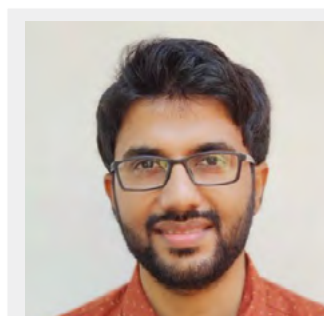
Prof. Nanditha Rao

Ph.D. (IIT Bombay)



Prof. Neelam Sinha

Ph.D. (IISc Bangalore)



Prof. Nikhil Krishnan M

Ph.D. (IISc Bangalore)



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. Roland Erik Haas
Ph.D. (Technical University of Clausthal)



Prof. S Rajagopalan
Ph.D. (IIT Kanpur)



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



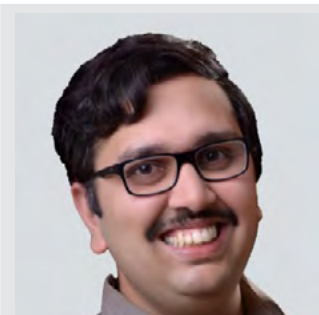
Prof. Shiva Kumar Malapaka
Ph.D. (Universitat Bayreuth)



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. Subajit Sen
Ph.D. (University of Waterloo)



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



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



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



Prof. Thangaraju B
Ph.D. (Bharathidasan University)



Prof. Uttam Kumar
Ph.D. (IISc Bangalore)



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

Domain-wise Faculty Members

Computer Science Faculty Members

- Prof. Amit Chattopadhyay
- Prof. Ashish Choudhury
- Prof. Meenakshi D'Souza
- Prof. V. N. Muralidhara
- Prof. Pradeesha Ashok
- Prof. G. N. Srinivasa Prasanna
- Prof. Sachit Rao
- Prof. Shrisha Rao
- Prof. G. Srinivasaraghavan
- Prof. Srinivas Vivek

Information Technology & Society Faculty Members

- Prof. Amit Prakash
- Prof. Balaji Parthasarathy
- Prof. Bidisha Chaudhari
- Prof. Janaki Srinivasan
- Prof. Preeti Mudliar
- Prof. V. Sridhar

Mathematics & Basic Sciences Faculty Members

- Mathematics: Prof. Manisha Kulkarni
- Physics: Prof. Balakrishnan Ashok & Prof. Shiva Kumar Malapaka

VLSI Systems Faculty Members

- Prof. Chetan Parikh
- Prof. Madhav Rao
- Prof. Nanditha Rao
- Prof. Sachit Rao
- Prof. Subajit Sen
- Prof. Subir Kumar Roy

Data Sciences Faculty Members

- Prof. Amit Chattopadhyay
- Prof. Chandrashekar Ramanathan
- Prof. Dinesh Babu Jayagopi
- Prof. Jaya Sreevalsan Nair
- Prof. Manish Gupta
- Prof. Neelam Sinha
- Prof. V. Ramasubramanian
- Prof. Sachit Rao
- Prof. T. K. Srikanth
- Prof. Srinath Srinivasa
- Prof. G. Srinivasaraghavan
- Prof. Uttam Kumar
- Prof. Viswanath Gopalakrishnan

Networking, Communication & Signal Processing faculty members

- Prof. Debabrata Das
- Prof. Jyotsna Bapat
- Prof. Neelam Sinha
- Prof. Sachit Rao
- Prof. Priyanka Das
- Prof. Amrita Mishra
- Prof. Vinod Veera Reddy
- Prof. Arti Yardi
- Prof. V. Ramasubramanian
- Prof. Nikhil Krishnan M
- Prof. Prem Singh

Software Engineering Faculty Members

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

Key Officials



Prof. S Sadagopan

Director, IIITB
(till July 4, 2021)



Prof. Debabrata Das

Director, IIITB
(from July 4, 2021)



Cmde SR Sridhar (Retd)

Registrar, IIITB - Secretary to the Board



Prof. Chandrashekar Ramanathan

Professor & Dean (Academics)



Prof. Jyotsna Bapat

Professor & Dean (Faculty)



Prof. Srinath Srinivasa

Professor & Dean (R&D)



Prof. S S Prabhu

Faculty Advisor



Prof. Madhav Rao

Associate Professor, iM.Tech
Coordinator and Faculty in-charge-Labs



Prof. V N Muralidhara

Associate Professor, M.Tech.
& S.M.Tech. Programme
Coordinator



Prof. Manisha Kulkarni

Associate Professor & M.S. Ph.D.
Programme Coordinator



Prof. Bidisha Chaudhuri

Associate Professor & MSc (DT)
Programme Coordinator



Prof. Amit Prakash

Associate Professor and
Coordinator (Students Affairs)



**Prof. Viswanath
Gopalakrishnan**

Assistant Professor & Co-
ordinator (Student Affairs)



Prof. G Srinivasaraghavan

Professor & Faculty-in-charge
Internships & Placements



Prof. Tricha Anjali

Associate Professor & Associate
Dean (Continuing Professional
Education)



Prof. Sachit Rao

Assistant Professor Faculty-in-
charge Student Exchange



Prof. V Sridhar

Professor & Faculty-in-charge
Institutional & Finance



Prof. T K Srikanth

Professor & Faculty-in-charge
Computing



Prof. Vinod Veera Reddy

Assistant Professor & Controller
of Exams



Prof. Balakrishnan Ashok

Associate Professor & Faculty-
in-charge Library



**Prof. Shiva Kumar
Malapaka**

Assistant Professor & Warden
(Men's Hostel)



Prof. Uttam Kumar

Assistant Professor, Warden (Men's
Hostel) & Infosys Foundation Career
Development Chair Professor



**Prof. Jaya Sreevalsan
Nair**

Associate Professor & Warden
(Women's Hostel)



Prof. Nanditha Rao

Assistant Professor & Warden
(Women's Hostel)

**M Pitchiah**

Adviser (Finance)
(till December 10, 2020)

**S Piramanayagam**

Chief Finance Officer
(from October 26, 2020)

**D V Jagadish**

Chief Executive Officer
(Outreach)

**Y S Narayan**

Chief Operations Officer
(Outreach)

**J P Patil**

Chief Administration Officer

**M K Durai Murugan**

IT and Data Centre Manager

**Cynthia DMello**

Staff Officer, Deans office

**Rama Devi S**

Librarian and Manager -
Information Services

**Ramesh Sundararaman**

CEO, Innovation Centre

**Karthik Kittu**

Chief Innovation Officer

**Cdr JV Prasad (Retd.)**

Executive Officer (R&D)

Research Advisory Committee (RAC) Members



Dr. P Satish Chandra



Prof. P Balaram

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 IIITB on February 26, 2020.



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15.PUBLICATIONS



Conference Publications

V. Anil Kumar and Debabrata Das, "Data Sequence Map Flooding in MPTCP Framework: Potential Challenges and Efficient Countermeasures," in 11th International Conference on Computing, Communication and Networking Technologies, ICCCNT2020, Kharagpur; India, July 1-3, 2020, 7p.

doi: <https://doi.org/10.1109/ICCCNT49239.2020.9225690>

R. Mamgain and Jyotsna Bapat, "Comparative Analysis of Geometry of Receiver Placement in Multistatic Radar Configuration," in 6th IEEE International Conference on Electronics, Computing and Communication Technologies, CONECCT 2020, Bengaluru; India, July 2-4, 2020, 6p.

doi: <https://doi.org/10.1109/CONECCT50063.2020.9198381>

Tushar Vrind, Sudharshan Rao, Lalit Pathak and Debabrata Das, "Deep Learning-based LAP Deployment and Aerial Infrastructure Sharing in 6G," in 6th IEEE International Conference on Electronics, Computing and Communication Technologies, CONECCT 2020, Bengaluru; India, July 2-4, 2020, 5p.

doi: <https://doi.org/10.1109/CONECCT50063.2020.9198319>

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16.APPOINTMENTS & ADIEU



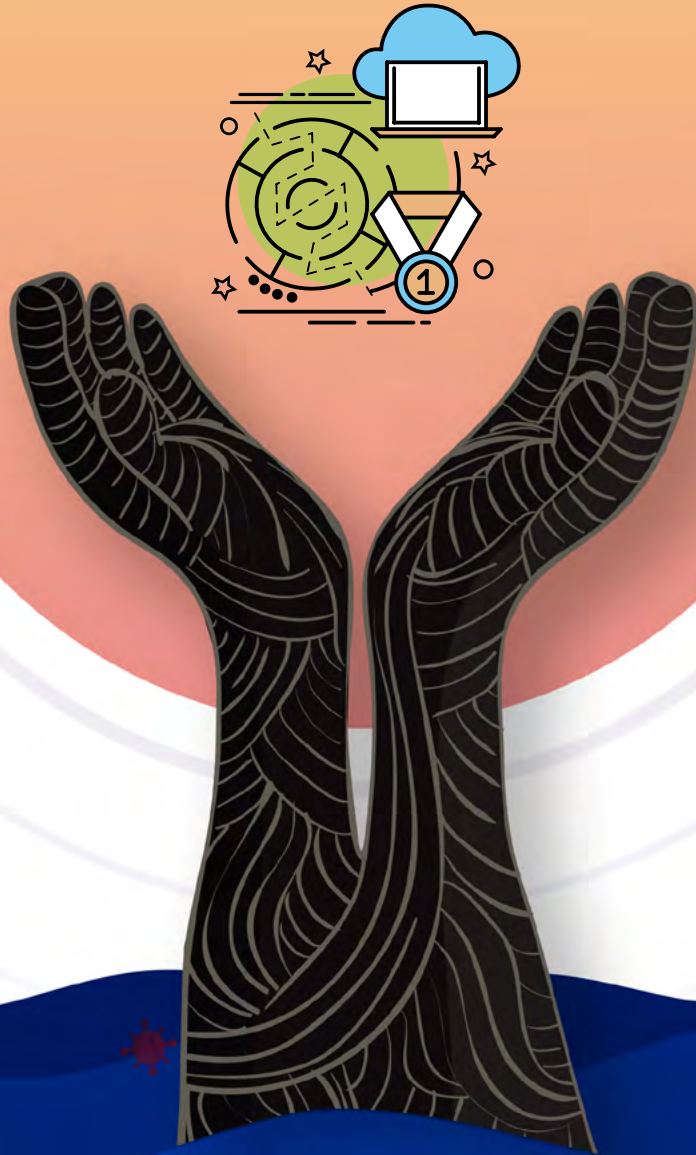
Welcome on board

Sl. No	Name	Designation	DOJ
1	Ms Nandini V	Assistant Accountant	August 10, 2020
2	Mr Vishwanathan M S	Admin Associate	October 5, 2020
3	Mr S Piramanayagam	Chief Finance Officer	October 26, 2020
4	Ms Aradhana Chowta	Admin Associate	December 1, 2020
5	Prof Amrita Mishra	Assistant Professor	December 15, 2020
6	Ms Vinutha Vidyasagar	Content Specialist	January 6, 2021
7	Ms Nandakumari T	Admin Associate	March 29, 2021
8	Prof Roland Erik Haas	Consulting Professor	April 12, 2021
9	Ms Nityananda A C	Admin Associate	May 17, 2021
10	Prof Nikhil Krishnan M	Assistant Professor	July 1, 2021
11	Prof Prem Singh	Assistant Professor	July 1, 2021

Adieu

Sl. No	Name	Designation	DOJ	DOL
1	Ms Smriti Shukla	Assistant Manager	June 22, 2015	September 30, 2020
2	Mr M Pitchiah	Adviser (Finance)	December 4, 2013	December 31, 2020
3	Mr D V Jagadish	CEO (Outreach)	June 20, 2012	January 31, 2021
4	Ms Sowmiya Nachimuthu	Technical Admin Associate	January 20, 2016	March 4, 2021
5	Prof Tricha Anjali	Associate Professor	April 1, 2014	March 31, 2021
6	Mr Thamarai Selvan N	Technical Assistant	September 21, 2016	July 22, 2021
7	Prof S Sadagopan	Director	June 03, 1999	July 4, 2021
8	Mr Y S Narayan	CEO (Outreach & Innovation Center)	June 8, 2020	July 15, 2021

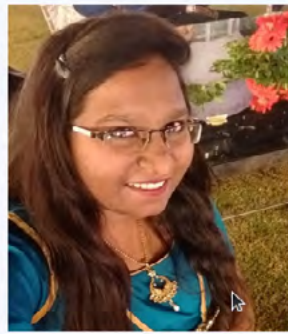
17. STUDENT ACTIVITIES



Student Affairs Council (SAC) members in AY 2020-21



Anish Sai Potluri



Jyotsna



Manasa Kashyap



Nachlappan SK



Pawan Gupta



Samhitha Perala



Swapnil



Vaibhavi Tikone



Student Activities & Achievements

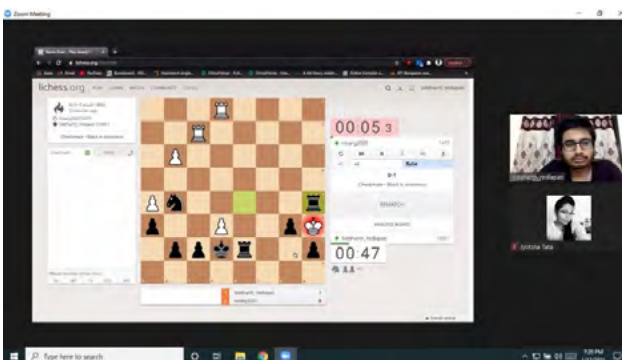
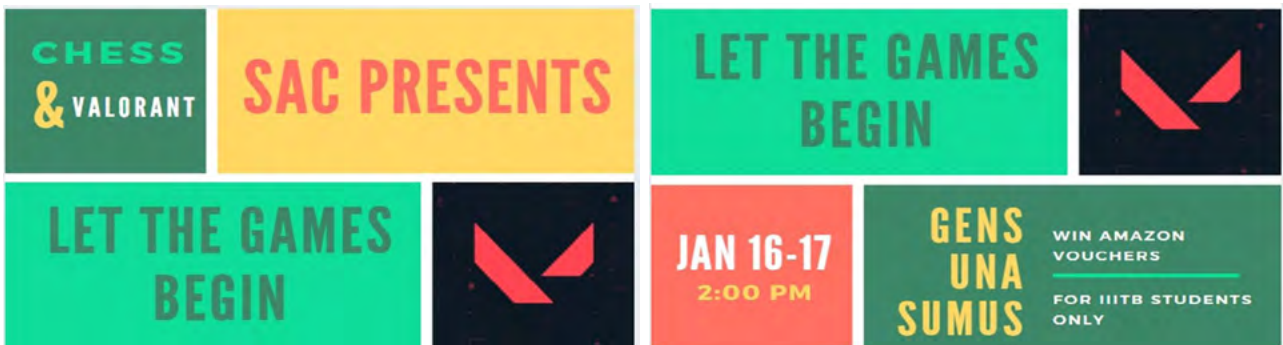
SAC Election

Elections to the Student Affairs Council (SAC) were conducted on September 13 virtually. Aspiring candidates mailed their nominations to the SAC along with a statement of purpose. SAC used a web application for voting online developed by ZENSE for the SAC 2020-21 elections.

The winners of the election were: Masters' (Vaibhavi Shivaji Tikone (MT2020006), Jyotsna Tata (MT2020020), Swapnil Agarwal (MT2020523), Pavan Kumar Gupta (MT2020008), Manasa Kashyap (IMT2018040), Nachiappan Senthil Kumar (IMT2018047), Samhitha Perala (IMT2019521), and Anish Potluri (IMT2019009).

"SKILLER_KILLER" Event

It is exciting for younger generation to have peers from different places come together and play a video game. It's even more fun in team-based games such as Valorant which is a free-to-play multiplayer tactical video game. On January 16 & 17, SAC conducted "SKILLER_KILLER" - a gaming event where eight groups, consisting of five players each registered for the Valorant game. 'GoliMaarDene' team won the tournament consisting of players - Ayush Saraswat, Shobhit Pankaj, Shubham Jain, Rishikesh Chaumal, and Shashank Somaraju. A chess tournament was also conducted as a part of "SKILLER_KILLER", in which Anwit Damale emerged as the winner, while Siddharth Yedlapati and Mrinal M were 1st and 2nd runners-up respectively.



Canvas Painting by Art Club

It was a recreational treat for the students of IIIT Bangalore. All the 35 participating students exhibited their creativity on canvas and expressed their artistry using painting. It was the first offline event during the pandemic that received a very good response from the students.



Student Achievements

Nikitha A.N (IMT2018051) was selected as Google Women Techmakers Scholar 2020 (Asia Pacific Region) through the Women Techmakers Scholars Program (formerly the Google Anita Borg Memorial Scholarship Program). She was one among the select few awardees of the scholarship in the APAC region, which recognizes female undergrads (year 1 / year 2) for their passion for diversity, demonstrated technical skills, and leadership and academic accomplishments. The scholarship program includes an academic grant of 1000 USD, a virtual retreat, and an opportunity to network with some amazing women!

Kalyan Varma Nadimpalli (IMT2018034) and Nipun Goel (IMT2018052) have won 1st Prize and 3rd Prize in ACM India National Student Online Coding Contest respectively, held during October 31 to November 21, 2020











Swasti Shreya Mishra (IMT2017043) has been awarded the prestigious Adobe India Women-in-Technology Scholarship 2021. The scholarship covers tuition fees for the remaining years of the University Education

ending in the academic year 2022. It also offers an opportunity to participate in **Summer Internship at Adobe India in 2021** and Grace Hopper Conference India. She won this scholarship along with other 6 students across India.

Aditya Sheth (IMT2018003), Venkat Raghavan (IMT2016099), and Rathin Bhargava (IMT2017522) achieved **India Rank-1 and Global Rank-32** in IEEEExtreme Programming Competition 14.0 which was held on October 24, 2020

Tanmay Arora (IMT2018078) won a grant of Rs.4 lakhs for his start-up, Breezy. This application allows its users to report garbage in localities around their residences. It also awards them with money in order to encourage the report. There were over 200 applications received for the Technology Incubation and Development of Entrepreneurs (TIDE) 2.0 and Breezy was chosen for the The Entrepreneur in Residence (EIR) Grant and to be incubated at the Innovation Centre at IIITB.

Student Admissions in 2020-21

MTech 178	M		141
	F		37
iMTech 145	M		136
	F		9
MS 17	M		12
	F		5
MScDT 18	M		13
	F		5
Ph.D 20	M		9
	F		11

Total Students: 378



145

Students joined iMTech during the year 2019-20

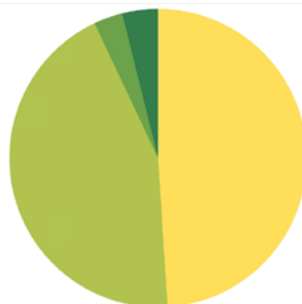


37

Students Selected / Joined for Research Program 2019-20 Term 1

Placement Statistics 2020-2021

543 TOTAL OFFERS



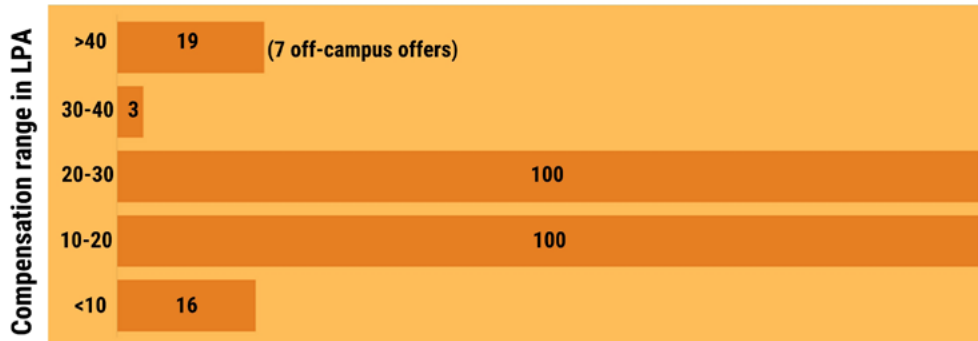
- 267 Internship Offers
- 238 Full Time Offers
- 17 Opted Out Of FTE
- 21 Higher Education Offers

OFFER	METRIC	iMTech		MTech	
		CSE	ECE	CSE	ECE
Full Time CTC (INR In Lakhs)	Highest	45.6	29.96	45.6	40.88
	Average	25	21.97	21	21.91
Internship Stipend (INR In Thousands)	Highest	100	90	90	50
	Average	62.34	53.83	54.1	38.43

Percentage Of Students - Full Time Employment (FTE)



Number Of Students



Top Recruiters



Higher Studies / RA Offers Received



M.Sc. Digital Society

7 Internship Offers
 Highest Stipend - INR 80K
 Average Stipend - INR 26.7K

4 FTE Offers
 Highest CTC- 16 LPA
 Average CTC- 9.1 LPA



Placements

Full Time Employment Company	No. of students Recruited	Full Time Employment Company	No. of students Recruited
Morgan Stanley	8	NPC	1
Walmart Labs	9	Google	4
Qualcomm	30	MCQDB	1
Microsoft Research	4	Truminds	2
Mathworks	2	TCS R&D	4
Analog Devices	1	Deloitte	1
Goldman Sachs	4	Sprinklr	1
Cisco	12	Infosys	8
Adobe	1	Siemens Gamesa	1
App Dynamics	3	Slice	2
PayU	13	Brane Enterprises	10
Flipkart	1	Netapp	6
Siemens Healthineers	1	Value Labs	1
Tejas Networks	7	Protonn	4
AMEX	4	Cogoport	1
Samsung	9	Bosch	3
Oracle	13	Mobisy	2
Caterpillar	2	SiFive	3
Western Digital	2	Motorola	1
Aganitha	1	Cyware	5
ZS Associates	4	MSR - India	1
Pegasystems	4	Scienaptic	1
Accolite	5	E2open	1
Mckinsey & Co	1	Big Basket	1
IBM	9	IIITB (Research Associate)	1
Axtria	5	AMD	1
Rupeek	1	Cognius AI	1
Jio	4	Twitter	1
Pluribus	1	CSG	2
Dover	3	NVIDIA	2
Lam Research	1	Big Basket	1
Udaan	2		

Internship Company	No. of students Recruited
Morgan Stanley	9
Walmart Labs	14
Qualcomm	23
Mathworks	2
Amazon	18
Analog Devices	1
Nutanix	1
Mckinsey & Co	1
Goldman Sachs	3
Flock	2
Cisco	16
Nvidia	4
PayU	7
Microsoft Research	4
Flipkart	1
Siemens Healthineers	2
Tejas Networks	6
AMEX	3
Samsung	7
Whatfix	2
Caterpillar	2
Western Digital	2
ZS Associates	3
Pegasystems	4
Accolite	5
IBM	10
Havells	7
GE Digital	4
Kickdrum	1
Amazon Applied Sciences	2
Siemens Technology	9
AMD	1
YXIOM	1
Axtria	5
Apple	1
Accenture	4
Rupeek	3
Jio	1

Internship Company	No. of students Recruited
Pluribus	1
University of Gothenburg	1
University of Hamburg	1
Philips	3
Scienaptic	3
Intel	3
Hackerrank	1
Epifi	1
Botzee	1
Postman	2
Sifive	3
AWS	3
Lam Research	1
Radel	5
Ericsson	3
SRC Project	3
Netapp	3
Rippling	1
Truminds	1
Brane Enterprises	6
HP	1
Mobisy	2
Enquero Global	1
ETG	1
EHRC	1
Givaudan	1
Cogoport	1
Vision Empower	2
IIRS, ISRO	1
Big Basket	1
Motorola	2
NLCIL	1
Synopsys	2
Bionic Yantra	1
MOSIP	1
Sevima	2
Lotusdew	1

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18.WE MISS YOU



IN FOND REMEMBRANCE



Mr. Tridib Roy Chowdhury
passed away on September 6, 2020

The sad demise of Mr. Tridib Roy Chowdhury on Sunday September 6, 2020 was a huge loss to IIITB. He was serving as Chief Program Officer of the MINRO Center and also was pursuing his MS (Research) in Machine Learning at IIITB. He brought his vast experience of nearly three-decades long career in industry, to build a strong vision for the MINRO center. He was a mentor to multiple start-ups and contributed actively to the start-up ecosystem. His cheerful and purposeful leadership will be sadly missed.



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19. IITB IN THE NEWS



Cloud liberates app owners from IT infrastructure

Cloud provides flexibility, agility, scalability. Most of our customers are going for it. What used to take our customers 6 months, now takes 6 minutes. What took \$100 million, now costs \$100. Cloud has liberated application owners.

Manish Kumar | SA
DIRECTOR OF ENGINEERING, NETAPP

Cloud computing skills have perhaps been the most in-demand skills for the last six years. The pandemic has made this demand

soar. There's a huge skills shortage, especially of cloud architects, who are the backbone of cloud strategy.

Pradina Acharya | HEAD OF HR & ACAD TALENT ACQUISITION, NETAPP

Companies that come to us for recruitment ask for students who know the fundamental concepts of engineering, students who ask the 'why' questions. Now, increasingly, they also expect students who quickly adapt to new research areas, like cloud.

Debabrata Das | DIRECTOR DESIGN & PROFESSOR, IIT BANGALORE

FB is nothing but digital sociology

Sujit John@timesgroup.com

Prof S Sadagopan, director of IIT Bangalore, was our guest on the Times Techies webinar last week. There were lots of questions from the audience. Here are a few of them, with Sadagopan's answers (answers have been edited for space reasons).

IGNITE YOUR CAREER

Are AI, data science different from computer science?

AI, analytics, data science are computer science. Basic computer science will consist of computing (hardware), programming, databases, etc, but much more important is to use it to process and analyse data, and then figuring out how to understand that data and draw insights and forecasts. It has been an evolution. Computer science has moved from simply storing (0s and 1s) to doing lots of things with them in every area. Facebook is nothing but digital sociology.

How important is mathematics in computer science?

Mathematics is very important. Machines can do things very fast, but in the process they can also create a lot of junk. You should be able to take that junk out and look at

the essence. That's where mathematics comes in. It can abstract things much better. Mathematics teaches you to ask the right questions. The computer will find the answer. But it's far more important to ask the right questions. If you don't know how to do that, whatever answer the machine gives you, you will start believing in them. You can correlate anything to anything. You can get confused between correlation and causality. Just because two things happened together, does not mean one is causing the other. Mathematics gives you the rigour to understand this.

You may not always need to know a super high level of mathematics. But you should have a good functional-level knowledge of it.

Is there value in doing a Master's in computer science if you don't want to go into academic research or teaching?

Increasingly now, a lot of research happens in corporate labs. The Google or Facebook research labs employ really cutting edge researchers. So it's no longer just in academics that those with higher skills are needed. Also, the greatest depth that a Master's provides might prepare you to do a really innovative startup. Instead of another

Why techies need to become good story tellers

Every tech product is the result of the effort of multiple teams, and without clear communication among them, the implementation of the solution will run into problems.

Debabrata Das | SA, IIT BANGALORE

Anybody, not just your employees, who wants to grow as a technology

professional needs to invest in communication skills.

Sandeep Inthar | CEO, VESTA INNOVATIONS, IITB MBA

Technology presentations are essentially storytelling. Because an audience groups more and retains more information when it is presented in the form of a narrative.

Karanesh Kulkarni | IIT, CO-FOUNDER

Saamsh Chatterjee

are experiential or research-oriented, most people struggle to put a story when it comes to data, or technology. Aspiring tech professionals should start thinking about storytelling, how they can present their data in a simple and an effective manner so that it connects with the target audience," she says.

Heading insights from Comptech's recent virtual summit previous, Kulkarni says youngsters need training on how to articulate their message and ensure that it's received as intended. "You talk to new graduates about the latest in tech, like programming languages or AI, they know about it, but about it."

But if you ask them about its real-world application, they find it difficult to convey contextualisation. The problem gets pronounced in the virtual scenario, where you do not have the cues of face-to-face interaction to assist you," he says.

At Comptech's Mentoring Circle for new hires, each of them is paired with a senior colleague who trains them, among other things, to listen actively and pick out useful insights from even the angriest calls they receive, says Rajendra Murthy (chairman of the panel by citing the work of a US designer "Imagine you are working on a solution for a customer. One aspect of problem-solving is listening to what the customer is saying and the other is about listening in between the lines. Doing this will help you provide your customer with an integrated solution," she says.

IGNITE YOUR CAREER

Better content creators are able to articulate their advice, get feedback, and collaborate with team members. **Sandeep Inthar**, senior director and head of people organisation at Pepsi India, cites a research by Gallup which found that highly engaged teams share 21% higher profitability to stress the value of effective communication skills in the tech industry.

A key aspect of any tech job is the ability to make clear presentations. **Hannesh Kulkarni**, vice-president of the centre of excellence at Comptech, says people-oriented are essentially storytelling. "Because you still need to create a story and require more information when it is presented in the form of a narrative. However, most techies struggle to tell a story and make a connection with the audience. Mathur says since we grew up in an academic background that is

IIIT-B founder-director retires after 22 years

TIMES NEWS NETWORK

Bengaluru: Prof Sowmyanarayanan Sadagopan on Sunday handed over charge of the International Institute of Information Technology, Bangalore (IIIT-B), to his longtime colleague Prof Debabrata Das. Sadagopan led the institution for 22 years.

He was the founder-director of the institution which started in June 1999 and was among the first of the infotech-specific institutions envisioned by the government. IIIT-B was funded by the Karnataka government, with support from the IT industry, and has functioned as a deemed university, awarding Master's and doctorate degrees in engineering.

Sadagopan also taught for over 25 years, including at IIT Kanpur, IIM Bangalore, IIT Madras and IIIT-Bangalore

During his tenure at IIIT-B, the external affairs ministry gave him a lead role in helping set up the Myanmar International Institute of Information Technology in Mandalay.

Anand Parthasarathy, who has reported on the tech academic scene for decades, said Sadagopan's tenure is arguably the longest stint of an infotech academic in India as the head of an institution of professional higher education. The professor, he said, was always soft spoken, and his sincerity and zeal in helping to turn out the next-gen Indian world leader was infectious. "You couldn't say no to him," he said.

Debabrata Das joined IIIT-B as an assistant professor in 2002. He was the dean of academics and R&D from 2014 to 2017. Before joining IIIT-B, he had served at IIT Kharagpur and later at Kirana Networks in New Jersey, US.



322 receive degrees at 21st convocation

As many as 322 students received degrees at the 21st annual convocation of IIIT-B on Sunday.

This included 5 PhD degrees, 8 Master of Science by research degrees, 163 M.Tech degrees, 16 MSc degrees, 102 dual degrees, and 28 students with sponsored M.Tech degrees. With remote learning continuing due to the pandemic, the final-year students had to work on their research projects without physical access to labs and other facilities at the campus.

"I want you to create opportunities for our younger generation and contribute towards providing better education to less privileged students," professor Subhasis Chaudhuri, director, IIT Bombay, told the students.

Umang Bedi, co-founder, Dailyhunt, said: "The biggest transformations start with the smallest of ideas. The digital age today gives you the opportunity to solve unsolved problems and build products that could uplift the nation."

The prestigious Institute Gold Medals were awarded to students Sai Bharghav, Satvik Ramprasad and Umar Abdul Aziz. **tw**

Critical thinking, re-learning fast key to engg Experts Call For Solving Problems By Collaborating, Changing Mindset

TIMES NEWS NETWORK

Bengaluru: Critical thinking, ability to solve problems by collaborating, and ability to relearn are the three most important qualities required among students looking to get

MISSION ADMISSION

into engineering field after school, said experts at the Mission Admission 2021 webinar organised by The Times of India in association with Amrita Viswavidyapeetham, Bangalore campus.

Engineering as a subject has become more interdisciplinary over the years, said professor S Sadagopan, former director of IIIT-Bangalore. "Electric vehicles are a buzzword today but the per-

son most needed for it might be a software engineer, while previously, automobiles was the domain of a mechanical engineer. The divisions have now blurred. There are new programmes on artificial intelligence (AI) and machine learning (ML) and things are getting interdisciplinary. So keep your eyes open but do not tag yourself. What you learn in college will not be enough in your long career, so you should be learning to learn," he said.

Sriram Devanathan, principal of Amrita School of Engineering in Bengaluru, said students should be allowed to explore even if they take a couple of years extra, and find the areas of their interest. "The moment you place enormous pressure on them that there are only two viable professions, engineering and medicine, it becomes very stressful. That thinking has sunk in so

"Please allow your children to explore. Don't live your lives through them. Let them lead their lives. We should encourage out-of-box thinking"

S Sadagopan | FORMER DIRECTOR, IIT-BANGALORE



"Coding is your ability to solve a problem, and it's logical thinking. Another important skill you need is to quickly unlearn and relearn. This is called learning agility"

Venkatraman Umakanth | HEAD - MARKET DEVELOPMENT & LEARNER SUCCESS, FUTURESILLS AT NASSCOM



"When students move to the industry, they are stressed out that when they face problems, they have to solve them alone. In the West, they go out and ask for help and work well in teams. This attitude is good anywhere"

Sriram Devanathan | PRINCIPAL, AMRITA SCHOOL OF ENGINEERING, BANGALORE



much among parents and students. In order to have flexibility, this mindset has to change in line with the new education policy," he said.

Venkatraman Umakanth, head — market development & learner success, FutureSkills at Nasscom, said IT has become a horizontal discipline — spread across industries.

While previously, recruiters were looking for domain skills, technology and soft skills, in the post-pandemic world, the mix of all three has become important.

"If you're in any other branch of engineering, you can switch to IT. If you have the domain skills, you will be taught IT skills as well. It is

going to be an added advantage. In the last one and a half years, one of the words commonly heard is resilience. You can't be taught this with a crash course. It comes over a period of time. One of the core things that's close to my heart is embracing failures, and as a culture, we don't embrace failure," Umakanth said.

[COMMENTARY]
ENTERPRISE COMMUNICATION

Gearing up for auto-pilot mode

Enterprise communications ensures seamless delivery of information to the end user. From emails to voice calls, this technology is all around us



BY DR. DEBABRATA DAS

The COVID-19 outbreak that the world faced last year accelerated the need to adapt to newer technologies like never before. Technological advancements in recent years combined with the 'work from home' situation that has become a functional mandate today, stands testaments to the impact of enterprise communication technologies in business processes. With new technologies constantly replacing the existing IT landscape, it is critical for organisations to leverage enterprise communications and keep abreast of the latest advances in order to add value to their operations.

Fueling fast, reliable flow of communication
Going back to the basics, enterprise communications ensures seamless and flawless delivery of information to the end user. From emails to voice calls and video conferencing, this technology is all around us. Business organisations have adapted its IT infrastructure in day-to-day operations as it ensures accurate delivery of

While it is important to keep up with technology, developers need to keep accessibility and applicability of their projects in mind.

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[COMMENTARY]
5G

Are we ready for the next gen wireless communication?

For 5G to happen, India needs to support start-ups and telecom equipment manufacturers through appropriate policies and funding



BY DR. DEBABRATA DAS

Technological advancements continue to create opportunities for society to develop solutions that can better the way we function. In the past, we have witnessed 2G, 3G and 4G wireless cellular network technologies that took the world by storm, and today, countries across the world are preparing to adapt to the next advancement in this space, the 5th generation of wireless communications. Today, in India, 4G offers a mobile broadband (MBB) system that provides a faster quality of video and voice calls. Hence, it's important to ask what more can 5G bring to the service offerings and how will it make things made better with this technology.

Shifting from traditional communication ideas

Through the implementation of 5G in India, we could expect a big shift in paradigm from human-to-human communication to machine-to-machine communication. In fact, as an increasing number of devices start using internet of things (IoT) as part of industrialization, 5G services like mMTC and URLLC would be crucial.

To quote a classic example, similar to how the introduction of browsers in the internet opened up avenues for businesses like Flipkart and Amazon, and even mobile banking applications that almost replaced traditional banking norms, we could very well expect 5G equipped with URLLC and mMTC to make way for ideas that have not been conceptualized before. With 5G, we could expect sectors like education, medical care, transportation, agriculture, FMCS and e-commerce to tremendously grow online, with more speed and newer possibilities to tap.

Advancement to the 5th generation will bring with it improvements in the core services of wireless communications like the enhanced MOBILE BROADCASTING (eMBB), Ultra-Reliable Low Latency Communications (URLLC), and massive Machine Type Communications (mMTC).

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Prof Debabrata Das appointed as new Director of IIITB

PTI | Jan 7, 2021, 13:32 IST



Professor Debabrata Das

BENGALURU: The International Institute of Information Technology Bangalore (IIIT Bangalore) on Thursday announced that Professor Debabrata Das has been appointed as its Director, effective June 30, 2021, a role currently held by Professor S Sadagopan.

With 21 years of professional experience, Prof Das joined IIITB as an Assistant Professor in

2002 and grew to the role of Professor.

A Good Data Scientist Should Combine Domain-Specific Knowledge With Technical Competence: Prof. Ramanathan, IIITB

The professor will be working from setting have provided the household and opportunity for professionals in present online courses.



For the sixth interview in the weekly series of data science career, we got in touch with Professor Chandrashekar Ramanathan, the Professor & Dean (Academics) & the Faculty-in-charge of Computing at IIITB.

While the data science education market has soared over the last few years, professor Ramanathan believes content and structure of University courses should address the changing landscape and industry requirements.

Professor Ramanathan is a faculty member at IIITB whose primary focus areas include, data science, software engineering, information convergence, semi-structured databases, and application development. With over ten years of experience in large institutional organisations, he has co-authored several research papers on edge

Here's how IIIT-B developed entire Karnataka COVID-19 portal within a week! Check details

By Nishu Dhanraj | Updated: July 10, 2020 4:43 PM

Professor S. Sadagopan talks to Financial Express Online, explaining what the institute has done to tackle the coronavirus pandemic.



COVID-19 is not the first time that IIIT-B has provided in the healthcare sector.

Coronavirus pandemic in India: Kudos! Premier IT institute in Karnataka IIIT-Bangalore has been steadily working on several initiatives during the coronavirus pandemic. As the entire country grapples with widespread COVID-19, International Institute of Information Technology, Bangalore (IIIT B) has been trying to make use of its own expertise in various fields, and contribute in whatever way possible. During this, a major contribution by the institute has been the development of Karnataka's COVID-19 dashboard, which has been the portal where all the information regarding the coronavirus cases in the state is shared.

Coronavirus pandemic: IIIT-B's contribution in various areas

In an interview with Financial Express Online, IIIT-B Director Professor S. Sadagopan said that several departments of the Karnataka government had wanted a unified portal where consolidated information regarding COVID-19 from across state departments could be shared. "Around March, over a period of around one week, we sat down with these departments of the Vidhana Soudha and developed the entire portal. For the last nearly three months, whenever someone searches information about coronavirus pandemic in Karnataka or looks up Karnataka COVID-19 dashboard, the portal that they access is the one developed by IIIT-B," he said.

Online education has blurred the lines between disciplines, says IIIT-B Prof Chandrashekar Ramanathan

By Nishu Dhanraj | September 04, 2020 11:33 AM

Professor Chandrashekar Ramanathan talks to Financial Express Online about continuing professional education, the benefits of CPE for various stakeholders, and explains how one can choose online courses according to their needs.



Dean of Academics of IIITB Professor Chandrashekar Ramanathan

International Institute of Information Technology, Bangalore (IIIT-B) had tied up with Online Education platform UpGrad and recently, the fourth IIIT-B UpGrad graduation ceremony was held virtually during which 3,000 learners graduated. As online education is gaining momentum, especially during the coronavirus pandemic and the consequent lockdown, Dean of Academics at IIIT-B Professor Chandrashekar Ramanathan talks to Financial Express Online about Continuing Professional Education (CPE) and how online platforms are changing the way knowledge is imparted. Here are edited excerpts from the interview.

What are the courses that are being offered by IIIT-B under this partnership with UpGrad?

International Women's Day – BIS Lauds 'Women Power' in Tech

BIS BIS Team March 8, 2021

21 minutes read

It was around three (3) years back when we catapulted the idea of acknowledging the 'Women in Tech'. Then the ratio of gender equality in even big companies was scanty.

BISinfotech has always taken a commendable approach to understand and also adapt to the 'Power of Women' matching foot with the industry to empower more 'Women in Tech' and take a holistic approach to abridge the gap. In no time, 'Women in Tech' became a global movement where companies adapting the strategy of gender equality have demonstrated new heights in their business and decisive leadership skills.

Today, commemorating 'International Women's Day' we have featured more than 20 most powerful women from all walks of life across the technology industry who have not just proven the new equation of success but has an inspiring story to bring alongside for other women in tech.

BISinfotech presents the top 23 powerful 'Women in Tech'. The chronological timeline below is a strive illustrating their episodes and stories which have inspired others in the technology industry.



Claudia Levo
Executive VP, Integrated Marketing and Communications | STMicroelectronics
[Key Achievements](#)
[Words to Inspire](#)
[Failures and Rising](#)



Richa Dham
Applications Director, IoT, Compute and Wireless Business Line | Infineon Technologies India
[Key Achievements](#)
[Words to Inspire](#)
[Failures and Rising](#)



Puneetha Mukherjee
Lead Principal Engineer – Verification and Validation | Infineon Technologies India
[Key Achievements](#)
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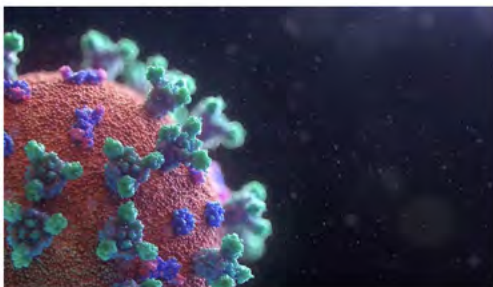


Linda Johnson
Executive VP of Operations | Digi-Key Electronics
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[Words to Inspire](#)

IIITB and CII Young Indians co-create 'Bengaluru for Humanity'

EC Express Computer Dr. May 4, 2021

NEWS



Read Article

The International Institute of Information Technology Bangalore (IIITB), in collaboration with Young Indians (YI) an integral part of the Confederation of Indian Industry (CII) have developed and launched a real-time application called 'Bengaluru for Humanity' to provide verified data on Covid care services in the city. With support from BBMP and the Office of MP Tejasvini Surya, the application provides authenticated and updated information on Covid treatment facilities, availability of oxygen, medication, plasma, blood types, and mental health counseling, to name a few. Users will also have access to feed in information, which would be verified by volunteers.

The rising Covid crisis in Bengaluru has led to a wide circulation of unverified and false data. Commenting on the urgent need for authenticated information to those seeking it, Prof S Sadagopan, Director, IIITB stated, "The raging second-wave calls for an urgent need for the population to work together. People who need timely medical care and emergency services are not getting accurate and updated information. With Bengaluru for Humanity, we can provide the general public access to authenticated data and curb the spread of misinformation."

IIIT Bangalore hosts its second e-convocation to confer degrees to the class of 2021

July 5, 2021
Editorial Team



The International Institute of Information Technology, Bangalore (IIITB), today hosted its 21st annual convocation through an e-ceremony, amidst the ongoing pandemic. Professor Subhasis Chaudhuri, Director, IIT Bombay was the Chief Guest and Mr. Umang Bedi, Co-founder, Dailyhunt was the Guest of Honour. The Ceremony was presided over by the Chairman of the IIITB Governing Body Mr Kris Gopalakrishnan, Professor S Sadagopan as Director and the Dr. Debabrata Das as Director Designate of IIITB. The event culminated with the formal ceremony of Prof. Sadagopan handing over of the charge of Director to Prof Debabrata Das.

The past academic year has been particularly trying for students due to the prolonged virtual learning atmosphere. With remote learning continuing, its final year students have had to work on their research projects without physical access to labs and other facilities at the campus. Even then, the students have surpassed expectations with 322 individuals graduating with the following degrees: 5 PhD degrees, 8 Master of Science by Research degrees, 163 M.Tech. degrees, 16 M.Sc. degrees, 102 dual degrees, and 28 students with sponsored M.Tech. degrees. As tradition goes, 10 exceptional graduating students in academics and extra-curricular activities were also bestowed with medals and recognitions. In addition, two alumni were awarded, respectively, for outstanding doctoral thesis and entrepreneurial success through IoT driven products.

IIIT Bangalore To Host 5th RISE Symposium

The two-day virtual event will showcase the innovative contributions from researchers at the institute, beginning with a panel discussion on the four dimensions - Research, Innovation, Society and Entrepreneurship.



17 March 2021 by BW Online Bureau

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upGrad

IIIT Bangalore And upGrad Hosts Fifth Graduation Ceremony For Digital Learners

The International Institute of Information Technology Bangalore (IIITB), the research-based innovation institute, will host the fifth edition of its annual event, RISE Symposium, from March 19-20, 2021. The two-day virtual event will showcase the innovative contributions from researchers at the institute, beginning with a panel discussion on the four dimensions - Research, Innovation, Society and Entrepreneurship - exhibited by IIITB during the pandemic last year.

The panel discussion on the first day will have Prof Chandrashekar Ramanathan, Professor & Dean (Academics) & Faculty in charge Computing, Prof Srisaith Srinivasa, Professor & Dean (R&D), Prof T K Srinikant, Professor & Faculty-in-charge Computing - E-Health Research Centre, and Uday Hegde, Co-founder & CEO, USEReady and a First Batch alumnus of IIITB in attendance moderated by Prof Sadagopan, Director, IIITB. A research colloquium - for and by students and special panel discussions on the innovation and health of research are the other highlights of the day.

Day two features an Open House which begins with a keynote address by Prof Sujatha Ramdorai (Professor of Mathematics at University of British Columbia, Canada) on 'RISEing to the Challenges in Education and Health', will be followed by presentations from selected MeitY IIITB startups and IIITB Innovation Awards' for startups. Virtual project stalls that showcase the research around Nutritional Rehabilitation, Neural Networks in Hardware, Assessing Driver Anonymity, Analysis of Open Digital Platforms, etc. will be on display. During this event, attendees can also connect with researchers and presenters via chat rooms.

"In the last four years, RISE has proved to be a great platform for showcasing excellence in research and innovation under a broader set of R&D themes. During the pandemic in 2020, our faculty actively participated in research, innovation and implementation of activities that could be of help to society. We worked with various State Governments on some vital projects which included building the COVID-19 dashboard for tracking the status of COVID-19 affected persons for the Government of Karnataka and building a Migrants Helpdesk Platform for the Jharkhand Government, among others," said Prof S Sadagopan

ज्ञानमुत्तमम् : Chapter 14, Bhagavad Gita, Verse 1

श्रीभगवानुवाच :-

परं भूयः प्रवक्ष्यामि ज्ञानानां ज्ञानमुत्तमम् |
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