

K.S. INSTITUTE OF TECHNOLOGY

BENGALURU - 560109



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Vision:

To provide competent and responsible professionals in the field of Computer Science and Engineering with knowledge and skills required for the country in its quest for development.

Mission:

1. Inculcate strong theoretical and practical knowledge for continuous learning.
2. Prepare students to find Computer Solutions for the society through research and entrepreneurship with professional ethics.
3. Encourage team work in inter-disciplines and evolve as leaders with social concerns.

REPORT ON VISIT TO IIIT-B (INDUSTRIAL VISIT)

Event: Open House (Second Day of Rise 2018)

Date: 17h February 2018



Picture Source: IIIT-B, 26/C, Electronics City, Hosur Road, Bangalore - 560100

OPEN HOUSE EVENT:

This event is intended to provide an opportunity to individuals, such as the undergraduate students from colleges and Institutions and corporate employees to visit the campus and interact with the faculties and research scholars of the premium institute. During the day faculty members presented their areas of research. Poster sessions were organized by research scholars to showcase their area of research. The session gave an opportunity for the visiting scholars and students to have exposure to high-quality research.

THE EVENT BREAK-UP:

RISE@IIIT-B Open House Schedule, 17th February 2018								
Common Venue at R-103								
10:00-10:10 Introduction (Prof Sadagopan)								
10:10-10:30 EHRC								
10:30-10:50 CITAPP								
10:50-11:15 Keynote Address (Prof Uday Desai, Director, IIT Hyderabad)								
11:15-11:30 Break								
Start Time	Duration (Min)	End Time	Lab Centric (R-103)		Start Time	Duration (Min)	End Time	Domain Centric (R-102)
11:30	20	11:50	WSL		11:30	30	12:00	Physics
11:50	20	12:10	NCL		12:00	20	12:20	Mathematics
12:10	20	12:30	SEL		12:20	20	12:40	Data Science
12:30-13:30 Lunch (Start at Fine Dine, for faculty only, at 12:00 pm)								
13:30	20	13:50	GVCL		13:30	20	13:50	IT & Society
13:50	20	14:10	SARL and HiDES Lab		13:50	20	14:10	Computer Science
14:10	20	14:30	MPL		14:10	20	14:30	ESD
14:30	20	14:50	CCSER					
14:50-16:30 Students' Exhibits (First Floor of R-Block)								
GVCL	Graphics-Visualization-Computing-Lab			HiDES	High-Density Electronic Systems Lab			
EHRC	E-Health Research Centre			SARL	Surgical and Assistive Robotics Lab			
SEL	Software Engineering Lab			CITAPP	Centre for IT and Public Policy			
WSL	Web Science Lab			NCL	Networking and Communication Lab			
MPL	Multimodal Perception Lab			CCSER	Centre for Cyber Security Education and Research			

Picture Source: IIIT-Bengaluru (Schedule of Open House)

The Sessions attended:

The above session breakout gave participants a choice to choose based on domain centric.

- The session began with Prof. Sadagopan, the Director (President) of IIIT-B introducing about the event.
- Followed by Prof. T.K. Srikanth of EHRC (Equality and Human Rights Commission) showcased about the 3 books related to the domain.
- A professor from CITAPP (Centre for Information Technology and Public Policy) showcased on the importance of public policies while developing a product.
- This was followed by keynote speaker address - Dr. U.B. Desai, Director of IIT Hyderabad (director@iiith.ac.in). The highlights of his speech
 - i. Explained about how failure in research can make you learn to achieve success. Learn from the failures so as to achieve success.
 - ii. Some of the interesting examples where path-breaking research were carried out. One of them were on Electromagnetic Chip used for Electro harvesting so as to make devices charge with the electricity.
 - iii. In research there are 3 things researchers can do-
 - a) One is to write thesis – your research structure, which is the easiest part.
 - b) Antithesis – Challenging to the thesis, disproving the theory.
 - c) Synthesis – Resolution of contradiction between thesis and antithesis.
 - iv. In innovation there are different collaborators they are:
Academic Institutions (main focus in innovations) along with Industry, Angels, Research Parks, Incubators (Entrepreneur)



Picture Description: Class Room – where the keynote speaker addressed

- The session was then concluded with tea break.
- Post tea – we had chosen domain centric sessions.
 - i.** Web Science Lab by Prof. Srikanth (<http://wsl.iiitb.ac.in/>) – Explained about Online Social Cognition, Web and Governance, Education and Digital Empowerment.
 - ii.** Network and Communication Lab by Prof. Debabrata Das, Prof. Jyotsna Bapat and Prof. Trica (<http://www.iiitb.ac.in/ncl>) – Presented on COPAS, Future Works in NCL Labs.
 - iii.** Software Engineering Lab by Prof. Sujit Kumar Chakrabarti and Prof. Meenakshi D’Souza (contact details: meenakshi@iiitb.ac.in) – Presented on the research carried out in SE Labs – Embedded Control Software, V-Model, Robotics, Symbolic Testing of IEC, Formal Verification of IoT Protocols, System level test cases, Self-adaptive avionics software.



Picture Description: Prof. Meenakshi D'Souza presenting on Software Engineering Labs)

- Session was followed by lunch
- Post lunch we attended sessions on IT & Society, Computer Science by Prof. Amit Prakash
- Lastly there were poster exhibition on the research carried by scholars/ students in their domain.

OUTCOME

The outcome the Open House event, is that through demonstration the researchers showed us how to handle the research problems and tackle the high-quality research projects. Also the future areas of research work were being discussed.

ACKNOWLEDMENT

I am very thankful to our **Management** and our respected Principal **DR.T V Govindaraju** by providing an opportunity to attend the event. I also would like to thank HOD, Department of CSE – **Dr. Rekha B. Venkatapur**. The students (4 students from 8th Semester) attended the event and were very cooperative and reached the venue on time. The students maintained discipline. Hence I am thankful to them for their cooperation during the event. The students were very observant and had keenness towards learning new things.

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