IITH
is creating a unique holistic educational ecosystem that will foster interactive learning, cutting edge research, strong industry collaboration and entrepreneurship. It is providing an environment wherein students and faculty are not afraid to experiment and celebrate their ideas. IITH offers an experiential learning ambience and also an experimental student life that helps them surge ahead in life.

FACULTY

172
Faculty Members

14
Academic Departments

07
Professors

52
Associate Professors

110
Assistant Professors

STUDENT COMMUNITY

612
Ph.D Students

436
M.Tech Students

868
B.Tech Students

08
M.Phil Students

109
M.Sc Students

32
M.Des Students

ACADEMIC PROGRAMS

09
B.Tech Programs

16
M.Tech Programs

01
M.Des Program

13
Ph.D Programs

01
Executive M.Tech Program

03
M.Sc Programs

01
M.Phil Program

FIRST TIME IMPLEMENTATIONS

IITH has implemented many academic innovations which we believe are first of its kind in India. Some of these are briefed below:

Fractal academics: The fractal academics implemented at IITH is first of its kind academic program. The program builds up on the concept of atomization of courses. This novel academic program exposes the students to some of the basic and advanced topics in the early semesters, creating the passion and excitement to dig deeper into the subjects. More about the fractal program at IITH may be found from

url: **www.iith.ac.in/fractal/frac.html**

Digital fabrication lab: The digital fabrication lab (3D printing) at IITH is offered to the first semester students. In this lab the students make 3D CAD models, which are then translated into the real world object with the help of a 3D printer. IITH is the only institution offering 3D printing to the first semester students.

Executive M.Tech program: The department of computer science and engineering at IITH offers executive M.Tech program in Data Sciences exclusively for working professionals. The program is self-paced and the individuals do have the flexibility to complete the course in 2-4 years of duration.

Minor in entrepreneurship: The minor program in entrepreneurship offered by IITH for its graduate and undergraduate students is a highly sought after program in the institute. The courses are offered by individuals from industry who are entrepreneurs themselves.

Double Major: The senate of IITH has approved the double major program, in which an undergraduate student is given the opportunity to obtain two B.Tech degrees by completing extra credits from other engineering branches.

Creative arts series: IITH offer a large number of creative arts (CA) courses, most of them offered by practicing professionals. The CA courses are mandatory to the undergraduate students for the successful completion of a B.Tech degree.

Center for healthcare entrepreneurship: Dedicated for achieving healthcare for all and universal health care a reality

Catalyze biomedical innovation to pragmatically address some of the unmet health needs of India's less advantaged

A mission to build a stream of entrepreneurs and products in biomedical space

Offers 1 year fellowship program in healthcare entrepreneurship

Center for cyber physical systems and IoT: A cent to create, develop, and prototype ideas for a smarter living with huge impact on Indian society and economy.

The centre address challenges in areas of Green buildings, green

ICT, green communication networks, smart cellular systems, intelligent transport systems, Personalized Healthcare Systems,

Robotic surgery, and Healthcare services for Rural India.

http://cps.iith.ac.in/cpsiit/

iTIC foundation: Launched technology business incubator

Supported by DST

Create very supportive and nourishing environment for

Connect industries with applied research that has potential for commercialization.

An excellent opportunity for young scholars and alumni to become entrepreneurs.

Center for sustainable development

Nano-X (Inaugurated by Prof. C N R Rao)

CENTERS

Design innovation center:
Ministry of Human Resource Development proposes to launch a National Initiative for Design Innovation in the Twelfth Plan. Under this initiative, 20 new Design Innovation Centres (D.I.C.) were set up. IITH was one among the Design Innovation Centres. IITH-DIC has since been working towards the infrastructure of the ecosystem, in which Designers and Engineers in academia interact with real world problems and stakeholders to give shape to creative entrepreneurial cooperation and collaboration.

Teaching Learning Center (TLC): Launched under the Pandit Madam Mohan Malviya National Mission for Teaching and Training (PMMMNMTT) scheme of MHRD
Vision to create effective educational ecosystem

TLC supports faculty members for content development and effective dissemination.

Content made public for the benefit of larger community.

Maintains a repository of reaching aids.

So far more than 600 teachers from various engineering colleges are trained.

X-materials
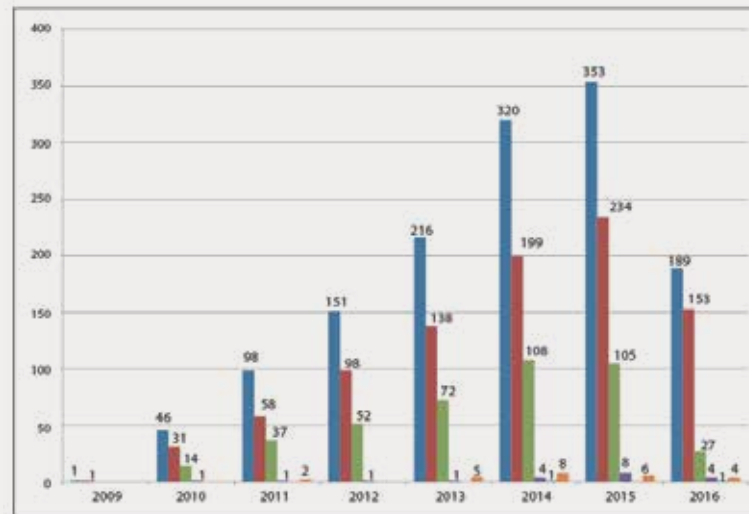A center for doing advanced materials characterization

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Research

300 Cr sanctioned funding

Interaction with more than 100 industries

45 ongoing projects with industries

Publications

IITH has been consistently producing more than 200 publications per year since 2013.

In 2013 the number of peer-reviewed publications was 216. For 2014 and 15, the numbers were respectively 320 and 353.

Placement (2015-16)

268 offers from 92 companies

Highest salary – 35 LPA

Average salary – 11 LPA

International exchange programs

Extensive exchange program with University of Tokyo and Ritsumeikan University

Duration varies from 10 days to 3 months

Hosted 15 students from Ritsumeikan university in

September 2016 for a problem based learning workshop of 10 days duration

6 IITH students from various academic departments travelled to Ritsumeikan University in October 2016 for a duration of 3 months.

12 students from CSE visited Tokyo University under Sakura exchange program

6 students selected from IITH for the Purdue Undergraduate Research Experience (PURE) summer internship program

17 students from UT Austin as a part of studies spent 2 months in summer at IIT Hyderabad

MoUs

IITH has large number of MoUs with leading universities across the globe. So far IITH has signed 38 MoUs with foreign institutions and 12 MoUs with industries.

Lectures by Distinguished Academicians and Scientist

- Dr. APJ Abdul Kalam, CNR Rao, Dr. Chidambaram, Dr. Anil Kakodkar Etc.

Convocation

ISRO chairman Kiran Kumar was the chief guest for the 5th annual convocation Awarded 42 PhD, 167 M.Techs, 5 M.Des, 01 M.Phil, 45 M.Sc, and 189 B.Tech degrees.

Friendship program with Japan

IITH has a very special relationship with Japanese Universities and Industries and the Friendship program sphere headed by JICA facilitates a number of human capital exchanges

37 IITH graduates have been given scholarship to pursue higher education in various Japanese universities

51 Japanese academics visited IITH and 79 IITH faculty members visited various Japanese universities

IITH connect program to connect Japanese Industry with IITH

Academic fair for interacting and exploring higher education opportunities in Japan

The ambassador of Japan to India, H.E. Mr. Kenji Hiramatsu presided as chief guest over the last academic fair conducted on 20 Oct, 2016.

IIT HYDERABAD
ALUMNI ASSOCIATION

One of the most important measures of the success of an institution is its alumni. Registered officially under the Society Act, the Indian Institute of Technology Hyderabad Alumni Association assists thousands of its alumni scattered all across the globe in staying connected with each other, and with the institute, to enable them to propel themselves and their alma mater to greater heights and help shape its future.

Even before its formation in early 2015, the Association has been actively involved in social initiatives that often garner the support of a large student community for the betterment of society. The Association also assists the students currently studying at IITH by organising sessions for orientation, career-planning, placements, internships, etc. The Alumni Association continues to seek innovative ways to serve alumni

by providing social, educational, and professional opportunities that appeal to its broad constituency.

To elect its first ever governing body, elections were held on 30 Dec 2016. The following, alumni were declared as winners,

President : Wupadrasta Sai Kiran (B. Tech, class of 2015)

Vice President (India): Swetha Chowdary (B.Tech, class of 2016)

Vice President (Foreign): Krishna Kalyan Medaram (B.Tech class of 2012)

Secretary: Padmasree Reddy (B.Tech, class of 2016)

Treasurer: Rushi Agarwal (B.Tech, class of 2012)

The IIT Hyderabad Alumni Association official website, i.e. *url: www.iithaa.org*, features many functions such as directories, career, events, and much more.

The Association has portal ready for online transactions and we invite donations that will help IITH in its march towards excellence.

DEPARTMENT OF CHEMICAL ENGINEERING

Projects approved/sanctioned in the last one year

Total number of project approved/sanctioned: **14**

Total amount in lakhs: **1487.621** (including grants approved but awaiting financial sanction. Includes grants as both PI and Co-PI)

Awards/Achievements in the last one year (faculty/student)

DST Young Scientist Award 2016 (Dr. Chandra Shekhar Sharma)

Institute of Engineers (IEI) (India) Young Engineer's Award 2016 in Chemical Engineering discipline 2016 (Dr. Chandra Shekhar Sharma)

Recipient of SERB Indo-US Fellowship 2016 (Dr. Chandra Shekhar Sharma)

Gandhian Young Technological Innovation Award 2016 (Mr. Utkarsh Bhutani)

Best Student Presentation Award, International Conference on Mathematical Methods and Models in Biosciences, Bulgaria (Ms. Lakshmi Machineni)

IIME's KHARE award received from Indian Institute of Mineral Engineers (India) Kolkata for the best papers at MPT 2016 (Dr. Narasimha Mangadoddy)

"Excellence in Teaching award" by IITH for 2015 year's academic contributions in 2016 (Dr. Narasimha Mangadoddy)

"Excellence in Teaching award" by IITH for 2015 year's academic contributions in 2016 (Dr. Narasimha Mangadoddy)

CII-DST jointly invited research scholar working under prime minister fellowship (2013 batch) to Youth BRICS summit at Ufa, Russia July 2015 (Ms. Asha Kumari)

M P Chary Award (IIChE) 2016 for best Doctoral Dissertation (Ms. M. Susree)

New labs inaugurated in the last one year

Industrial Bioprocess and BioProspecting Laboratory

Selected research outputs in the last one year

Recent work on electrospun nanofibers based sanitary napkins, published in Applied Materials Today, has been covered by National and International media. Elsevier has also issued a press release on this apart from a separate article in Elsevier Connect. (Dr. Chandrashekhar Sharma)

A two-way coupled DEM-CFD model was developed to predict the complex dynamics of charge, air and slurry inside the tumbling mill. This work was highlighted globally and presented at various conferences (Dr. Narasimha Mangadoddy)

Receiving the IEI Young Engineer Award 2016 (CHE Division) – Dr. Chandrashekhar Sharma

Bio-inspired Anodes for Lithium-ion Batteries

Dr. Surendra Martha in collaboration with researchers at the Oak Ridge National Laboratory, USA, developed a direct process to encapsulate silicon particles within melt-spun carbon fibers made from lignin.

Lignin-derived carbon fibers with silicon nanoparticles are used to form novel electrodes for high-capacity lithium-ion batteries.

The new low-cost composite material exhibits nearly twice the capacity of graphitic carbon commonly used in lithium-ion batteries.
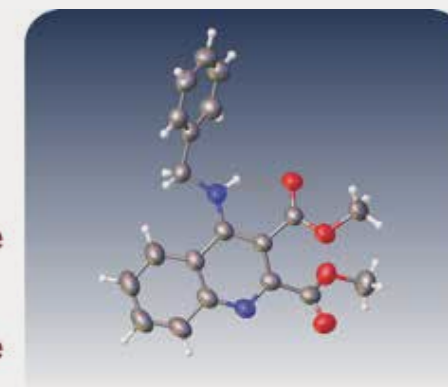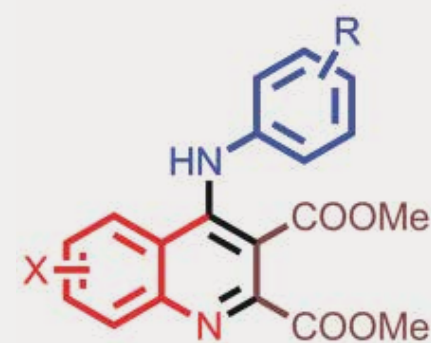
The findings are published in a journal article (Energy Technol., 2014, 2, 773) and a US patent US 2014/0038042 A1. Dr. Martha's group is currently working on various material aspects to develop high energy lithium-ion, sodium-ion and lead-acid batteries.

Mimicking Drug Like Molecules

Dr. Sharada's group have synthesized 4-aminoquinoline drug like molecules utilizing 2H-indazole as a diene partner for the first time in an aza hetero–Diels–Alder reaction.

They further developed a tandem one-pot method for the same starting from 2-azidobenzaldehyde by the formation of 2C–N, 1N–N and 1C–C bonds.

These exciting findings are published in Org. Biomol. Chem., 2015, 13, 7614-7618.

First B.Tech. batch in Civil Engineering were conferred degrees during August 2016 Convocation.

TEQIP course: 'Probabilistic Seismic Hazard Assessment'

GIAN courses

~ Modeling and Design of Steel Concrete Composite structural Systems under Extreme Loading Conditions such as Seismic and Fire Effect

~ Behavior and Design of Structural Systems in Extreme Thermal Loading Conditions including Fire Affects

~ Environmental and Human Health Risk Assessment of Chemicals

Research visit to Antarctic:

Dr. Asif Qureshi and his student made a successful research visit to Antartic.

(i) Mercury is a global pollutant undergoing long rang transport, and is regulated under the Minamata Convention.

(ii) Our work focuses on
(a) assessing long-tern global trends in mercury levels.
(b) establishing ourselves among the relatively few groups collecting long-term measurements in remote Antarctica.

Following UAY projects got funded,

~ Lightweight High-Performance

~ Composite Structures for Infrastructure Needs

~ Developing a Novel Sequencing Batch Reactor for In-situ Containerized Wastewater Treatment

Following IMPRINT projects got funded,

~ Developing an Advanced Electrocoagulation System for Industrial Wastewater Treatment

~ Dr. T Shashidhar elected as member of prestigious organization- Telangana State Pollution Control Board

CSE@IITH celebrated its 2nd Departmental Day on Oct 22, 2016. It featured keynote talks on cyber security and a panel discussion on "Promoting a healthy programming culture in the university setting" by experts from academia (IITM and IITK professors) and industry (Samsung, Microsoft, TCS).

ICANN and NetMission.Asia jointly organized a workshop on Internet Governance on Nov 3, 2016 at IITH.

Dr. David A Maltz who leads Azure's physical network team at Microsoft Redmond, USA delivered a talk on "Connecting the Cloud: Azure's Software Defined Network" on Sept 14, 2016.

IITH and Samsung Research India - Delhi (SRI-Delhi) have collaborated to set up a Samsung Digital Academy at the IITH campus.

Microsoft conducted the AzureML hackathon as part of the Applied Machine Learning course on 5th November 2016.

Student and faculty achievements in this Aug'16 semester:
Mr. Earnest Paul Ijjina, PhD Student in VIGIL lab, won joint First Prize at the 6th IDRBT Doctoral Colloquium (held in Dec 2016) for his work on "Human Action Recognition Using Deep Learning".

Ms. Kalpana Joshi, Ph.D. student in NMS lab, got Best Student Paper Award in IEEE ITNAC held in Dec 2016 in New Zealand.

Arghya Pal, PhD student in the department is selected for Intel India PhD Fellowship, 2016

Bhavana Jain, CSE BTech student receives Venkat Panchpakesan Memorial Scholarship Awarded by Google

Bhavana Jain and Sneha Reddy, CSE BTech students are selected as Google Anita Borg Scholars

Ph.D. student Utpal Bora's proposal "Polly as a pass in LLVM" accepted into Google Summer of Code 2016 in the LLVM Compiler.

10 students of CSE dept have done summer internship in 2016 in Japan as part of Sakura Science Plan (SSP), conducted between IITH and the University of Tokyo and funded by JST, Japan.

An MoU is signed with Hyderabad city police department to enhance safety of citizens by using video analytics

Patents:
Antony Franklin, Bheemarjuna Reddy Tamma, Prashant Sharma and Thomas Valerrian Pasca, "Method and System for LTE WLAN Integration at RLC Layer (LWIR) with Integrated LTE Wi-Fi Scheduler", Application No, 201641025740 (Filed in July 2016)

R. Iyengar, V. Balasubramanian, Shuffling of Input Data for Mini-Batch Gradient Descent Based Methods, Provisional Patent Application No. 201641013266 (Filed in Apr 2016)

Recent fundings received by faculty:
The joint project "Smart Cities for Emerging Countries based on Sensing, Network and Big Data Analysis of Multimodal Regional Transport System" by faculty of CSE/EE/CE of IITH & Nagoya Electric works and Nihon University, Japan has been selected under JST/JICA SATREPS program. It has a budget of 38 Cr. INR for 5 years.

The project "An Efficient Software Framework for developing Reliable Multi-threaded Applications for Multi-Core Architectures" proposed by Dr. Sathya Peri, Dr. R.K.Shyamsundar & Dr. C.Krishna Mohan has been selected under MHRD IMPRINT program.

Dr. Sathya Peri: "An Efficient Middleware based on Multi-Version Transactional Memory System for Multi-Core Systems" March 2016 – November 2016, Sponsored by ANURAG, DRDO

Dr. Sathya Peri: "An Efficient Software Framework for High Performance Computing Systems", July 2016 – July 2018, Sponsored by BRNS, DAE

Dr. Antony Franklin: "Low Latency Network Architecture and Protocols for 5G Systems and IoT", 2016-2019, sponsored by SERB Early career Research Scheme

Dr. Ramakrishna Upadrasta: "Compilers for Secure Architectures" July 2016 – June 2017, sponsored by ANURAG, DRDO

Dr. Ramakrishna Upadrasta: "Scalable Compiler Technologies for Modern Heterogeneous Architectures" May 2016 – April 2017, sponsored by AMD

Currently, the Department of Design offers the two-year full-time program of Master in Design (MDes). Also, the department offers Doctor of philosophy in Design (Full time and Part time) program in the areas related to design, art, culture, creative practices. This program provides a distinctive platform to pursue practice based and practice led research that introduced the first time in India.

All our education programs are based on expertise in design practice, excellence in research and innovations, insight in art adequate to the needs of society and industry. The department has a distinctive creative identity with a vibrant environment for learning, practicing and exploring several facets of design.

The Design Innovation Centre at IIT Hyderabad, will function as a hub and the city of Hyderabad is an ideal location for its growth and rapid expansion. The city attracts a diverse mix of ethnicities and the heterogeneous population of Hyderabad would be ideal for testing out various design solutions and conducting sample surveys. The city of Hyderabad has a thriving IT Industry and is home to other important businesses and commercial ventures. This city therefore offers a conducive economic and commercial environment for the Design innovation to centre to make its presence felt by developing innovative end to end design solutions.

Department of Design is a unique part of IIT Hyderabad. We endeavor to educate the pupils to become designers who can contribute their potential to the local as well as the global society.

Electrical Engineering at IITH is one of the largest departments, with 22 Faculty and 408 students in different programs like B.Tech-169, M.Tech-107 and PhD-132 currently. Graduated 4 Batches of B.Tech, 141 M.Tech and 12 PhD students so far.

~ Organised 'Round Table on Japan-India Collaboration Hubs for Research in ICT' 19 January 2016, sponsored by Department of Science and Technology (DST) and Japan Science and Technology (JST)

IITH and TRAI conducted a join seminar on "UNSOLICITED DOWNLOADS AND BACKGROUND EXCHANGE WHEN USING THE INTERNET" on 24th October 2016. Workshop attended by key industry members such as Google, Facebook as well as Indian telecom operators. IITH submitted a report on the same post workshop to TRAI for possible consultation paper.

IITH along with IITD has organised SC2: US-India Smart and Connected Communities Workshop, June 9-11, 2016

Intel has setup IoT Lab by donating the IoT platforms like Edison, Galileo

IIT Hyderabad – UT Austin Summer Program in Embedded Systems 2014, 2016

Patents Filed: 48

Journal Publications: 144,
Conference Publications: 381

Sponsored Projects, Industrial Research and Consultancy: 61 amounting to a total funding of Rs. 10240 Lakhs

Products developed:
1. 10 chips have been tapped out at IITH
2. LTE BS and UE L-1 technology
3. IoT enabled Power monitorng module
4. IITH-mote: 802.15.4 complaint wireless communication module
5. IoT Enabled Ultrasound system
6. Narrow Band IoT Products
7. IITH-TV-white space broadband Rural Connect

Student and faculty
achievements and awards:
oTen students from the current EE III year BTech batch won a special recognition award at the IEEE Signal Processing Cup 2016. The team was placed eighth worldwide in the competition. The award recognized that the students were still in the second year when they participated. Mr. K. J. Francis was the graduate adviser and Dr. Sumohana Channappayya was the faculty adviser for the team.

Mr. K. J. Francis, EE PhD scholar received the prestigious Fulbright-Nehru Doctoral Research Fellowship.

Mr. Akshay Jadhav, Mr. Appina Balasubramanyam, Ms. Neagin N S, Mr. M Pavan, EE PhD scholars were a part of the team that won the following medals at India International Innovation Fair (IIIFair) , held at Bangalore, 2016:
- Dr. Kiran Kuchi elected as chairman study group-1 TSDSI (Telecom Standards Development Society, India)
- Dr. P Rajalakshmi received Digital Trail Blazer award in National Conclave at New Delhi

TRAI team attended the TVWS filed trail conducted at IITH on 31st Aug 2016. IITH demonstrated IEEE 802.22, LTE and WiFi technologies operating in TV bands. Trials were conducted at Panchayat/villages within 12 Km of IITH campus

Dr. Kiran Kuchi got the Silver Prize for Narrow Band IoT Product and Dr. P Rajalakshmi got the Bronze prize for Ultra-compact IoT enabled Power Monitor device in Seoul International Invention Fair 2016, at South Korea

Mr. Bharath and team, EE department got the Best Paper Award in IEEE EMBS conference on Biomedical Engineering and Sciences 2016
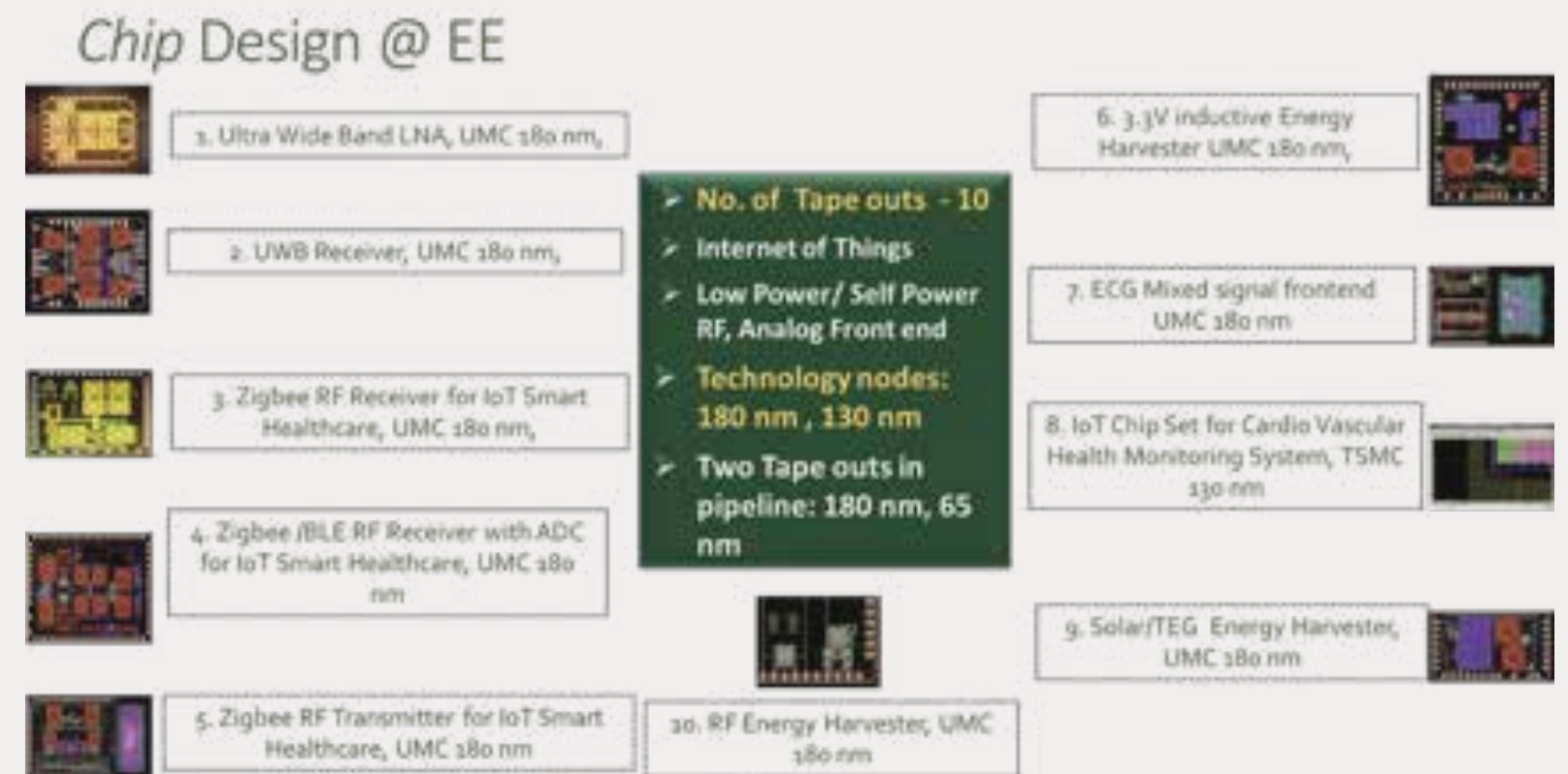
Consecutive 3 years (from 2014, IITH VLSI group was winner/runner in CADENCE design contest

IITH-RF-VLSI test lab are full phase functional and industry also using this facility

Dr. K Siva Kumar and teak got the Best Paper award for the at 2014

ANSYS Convergence Conference, May, 2014 at Bangalore, India and at IEEE ICIAfS 2014 (in the track of Solid State Drives and Control), December, 2014, Colombo Sri Lanka

Dr. P Rajalakshmi awarded as "INDIA's most inspiring Women Engineer/Scientist" For the Year 2014 by Engineering Watch.

Chip Design @ EE

1. Ultra Wide Band LNA, UMC 180 nm,
2. UWB Receiver, UMC 180 nm,
3. Zigbee RF Receiver for IoT Smart Healthcare, UMC 180 nm,
4. Zigbee /BLE RF Receiver with ADC for IoT Smart Healthcare, UMC 180 nm
5. Zigbee RF Transmitter for IoT Smart Healthcare, UMC 180 nm
6. 3.3V inductive Energy Harvester UMC 180 nm,
7. ECG Mixed signal frontend UMC 180 nm
8. IoT Chip Set for Cardio Vascular Health Monitoring System, TSMC 130 nm
9. Solar/TEG Energy Harvester, UMC 180 nm
10. RF Energy Harvester, UMC 180 nm

- No. of Tape outs - 10
- Internet of Things
- Low Power/ Self Power RF, Analog Front end
- Technology nodes: 180 nm , 130 nm
- Two Tape outs in pipeline: 180 nm, 65 nm

DEPARTMENT OF LIBERAL ARTS

Dr. Mahati Chittem has received 2016 Health and Behaviour International Collaborative Award by the prestigious American Psychology Association.

Dr. Mahati Chittem received the Young Investigator Award by Asia Pacific Psycho-Oncology Society.

Dr. Prabheesh K.P. was selected as a young economist to participate in the 4th Nobel Laureate Meeting in Economics in 2011.

Dr. Badri Narayan Rath was nominated as the Executive Council Member for the Indian Econometrics Society in 2015.

Dr Prakash Mondal has been interviewed by the New Books Network, the US based podcast broadcasting network featuring renowned authors of new books, on one of his recent books 'Language, Mind, and Computation

Three Ph.D. scholars received the Best Paper Awards.

Mr. Bhavesh Garg, PhD Scholar has received the award of Prof. AL Nagar Visiting Fellowship for the 2015.

The Department of Liberal Arts organized a three day programme during 8-10

November to create mental Health awareness as part of the World Mental Health Day celebrations.

The department conducted a GIAN course on Applied Financial Modelling in July 2016.
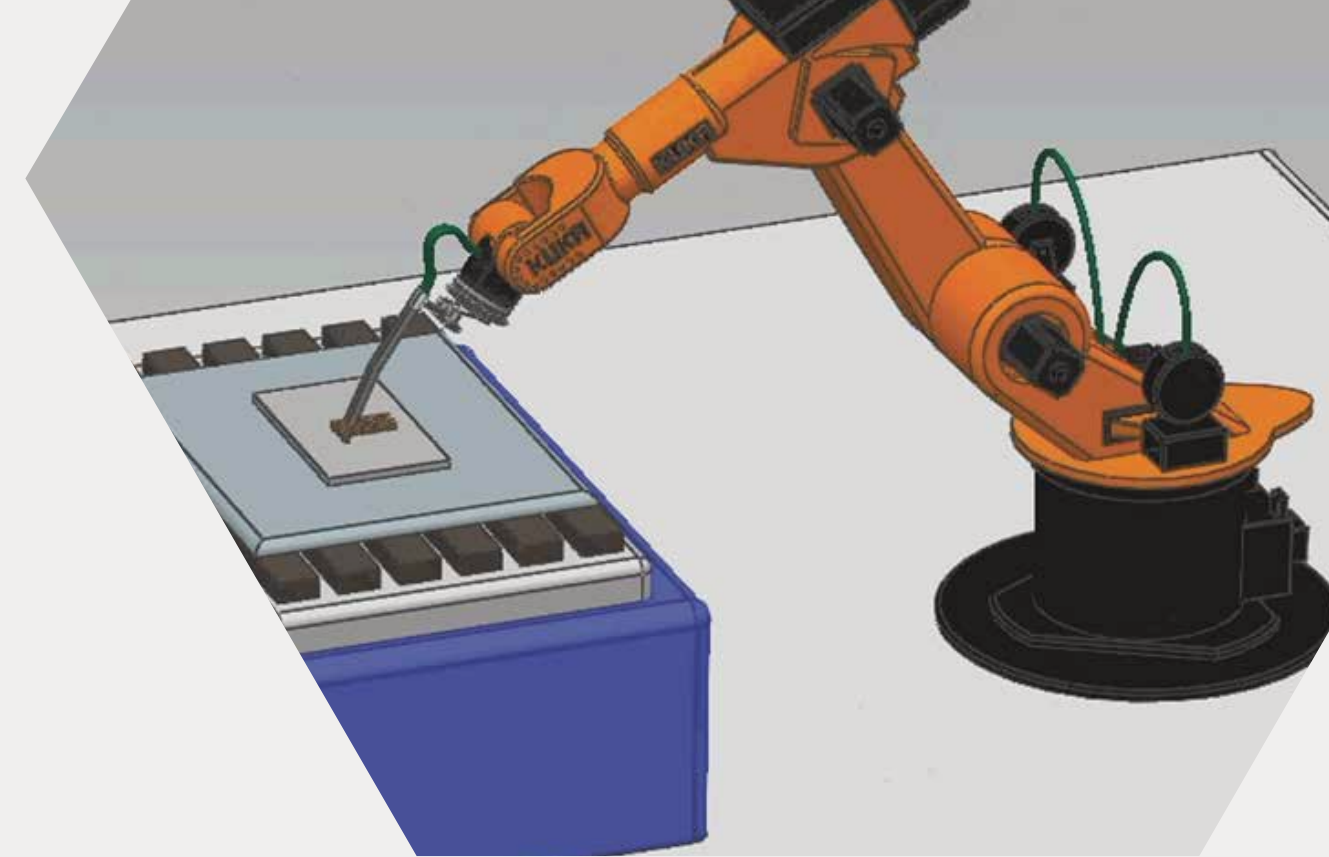
DEPARTMENT OF MECHANICAL & AEROSPACE ENGINEERING

Dr Mahesh MS is newest faculty to join the Dept. of Mechanical & Aerospace Engineering. His research interest is in Fluid Structure Interaction, Aero-elasticity and Aero-acoustics.

Mr Angshuman Kapil, an MTech student under the supervision of Dr Abhay Sharma received the Associate Engineers Award-2016 for the best M.Tech thesis. This award is given by the Indian Institute of Welding.

Researchers under the supervision of Prof NV Reddy are now able to fabricate components up to 1.2 m ×1.2 m using Dye-less Double Sided Incremental Forming Machine. This work is being is being supported by funding from DST and Boeing

Dr Suryakumar's group is currently working on weld-deposition based Additive Manufacturing for creating metallic components with functionally gradient properties

DEPARTMENT OF MSME

MRSI young researchers award (2016) received by Dr. Ranjith

Dr. Pinaki was invited as the guest editor of special issue of the journal Materials Chemistry and Physics (Elsevier) focusing on high entropy alloys

Dr. Saswata Bhattacharya served as a guest editor for the special issue of

Journal of the Indian Institute of Science (A Multidisciplinary Reviews Journal) on "Phase-Field Methods for Pattern-Formation"

Dr. Pinaki received the inaugural collaboration kickstart program (CKP) research funding from Japan International Cooperation Agency (JICA) for 2016-18.

PhD students have received several international scholarship/fellowship/awards:

a. Prestigious Alexander Von Humboldt postdoctoral fellowship awarded to G Dan Sathiaraj (Supervisor: Dr. Pinaki Prasad Bhattacharjee)
b. Professor Ludo Frevel crystallography scholarship (2016) received by Bande Mallesham (Supervisor: Dr. Ranjith).

He is one amongst the 10 recipients of this award globally
c. INAE best PhD thesis awarded to Dr. Sreekanth Mandati (Supervisor: Dr. Suhash)
d. Gandhian Young Technologist awarded to Divya Srivastava (Supervisor: Dr. Mudrika)

DEPARTMENT OF PHYSICS

Prof. Kerstin Borras from DESY and RWTH, Germany who is also the Deputy Spokesperson for the CMS Experiment at CERN, Geneva visited our Department to interact with the faculty and student in November 2016. Professor Borras gave an interesting talk entitled "Exploring the Elementary Particles at the LHC".

Dr. Jonathan Paley, Scientist working at Fermilab, USA visited our department in November 2016 to interact with faculty and students and delivered a talk on "Neutrino physics results from NOvA" and also discussed about future prospects.

Three of our colleagues (Dr. Shantanu Desai, Dr. Narendra Sahu and Prof. Anjan Giri) gave seminars at the Indo-US workshop on Invisible sector held at Hyderabad in November 2016.

Four scientists from KEK (Prof. J. Urakawa Prof. N. Saito, Prof. T. Kobayashi and Prof. T. Kanaya), Japan visited our department in 2016 for one-day seminar and discussion for possible collaboration with IIT Hyderabad. Prof. U B Desai and Prof. Anjan Giri visited J-PARC, Tokai, Japan to see the accelerator complex and T2K Near Detector site.

Dr. Prem Pal visited Southeast University, Nanjing, China, Dr. Narendra Sahu visited CERN, Geneva, Switzerland and Dr. Bhuvanesh Ramakrishna visited Stanford University, California, USA for giving seminar and collaboration.

Dr. Shantanu Desai is the co-recipient of Fundamental Physics Breakthrough prize (2016)

As part of its efforts to produce an intellectual environment conducive to innovation and radically new approaches to learning, teaching and research, IIT Hyderabad integrates into its curriculum courses in the Fine Arts and the Performing Arts, unified under the rubric of "Creative Arts".

If our undergraduates can expect to take courses in Signal Processing or Fluid Mechanics, they can also expect courses like

"Introduction to Theatre," "Singing Kabir with Prahlad Tipaniya" or "Introduction to Pottery and Ceramics" to turn up on their course registration portal. These extremely popular courses are offered by reputed practising artists from India and abroad rather than full-time academics, so that students can have a hands-on encounter with the arts outside of typical textbook-oriented teaching and learning environments. Currently, students choose from a wide range of 1-credit courses every semester, covering core areas like painting, sculpture, music, dance, theatre, photography, film-making, creative writing, and visual design.

Since 2009, IIT Hyderabad has regularly offered undergraduates a chance to earn credits in the fine arts.

The programme began with courses in photography taught by the celebrated photographer Navroz Contractor.

In Fall 2013, through the institution of a Fractal Academic Programme, Creative Arts courses became essential components of the BTech curriculum at IIT Hyderabad; renowned actor and director MK Raina offered our first 1-credit CA course as part of Fractal Academics that semester. Students in all four years of their BTech programme now opt for one or more Creative Arts (acronymously called CA) courses every semester. While CA courses are mandatory for undergraduates, other members of the IIT Hyderabad community-including students enrolled in Masters and Doctoral programmes, faculty, staff, and their families-frequently make use of their standing invitation to participate in these courses.

CREATIVE ARTS
COURSES

Second International Day of Yoga

IIT Hyderabad celebrated 2nd International Day of Yoga on 21st June. To spread the awareness of the benefits of YOGA, one week Yoga camp from June 16-21, 2016 was organized in the campus. It started with the lightning of lamp by Dr. Prem Pal (Associate Dean Students) and foreign students who were in the campus for summer course. It was followed by a presentation on Yoga about how it started, evolved, and its benefits.

Thereafter Yoga practice started. On 21st June, Director Prof. U B Desai addressed the participants followed by practicing of Yoga Asanas demonstrated by Yoga experts. The program completed with vote of thanks given by Dr Shiv Govind Singh, Chairman Sports Activities.

Azadi 70

Yaad Karo Kurbani (Freedom Fortnight)
IIT Hyderabad celebrated the "Azadi 70 – Yaad Karo Kurbani (Freedom Fortnight)" with immense patriotic sentiment and enthusiasm. The following events marked the celebrations at IIT Hyderabad:-
~ Slogan writing competition
~ Rangoli, face painting, Drawing competitions
~ Blood Donation Camp and a Cloth Collection drive
~ Freedom Run
~ Mass singing of the National Anthem
~ Several events such as essay writing competition, poem competition, debates, quiz competitions, drama, online events, all with the theme "Azadi 70 – Yaad Karo Kurbani" were also organized.
These events saw whole-hearted participation from students of IIT Hyderabad. The students were reminded of the sacrifices and immense contribution of the 'Heroes' of the freedom movement of India.k.

Swachh Bharat Abhiyan

In 2014, Prof. UB Desai, Director IITH constituted a committee of five faculty members with one faculty as the convener for the Swachh Bharat Abhiyan. Since then the committee has initiated a Clean India Course (CI101) every semester to graduating students of IIT Hyderabad which has been successfully carried out. This year the Swachh Bharat activities started on October 2nd, the birth anniversary of the father of our nation Mahatma Gandhi who tirelessly advocated the importance of cleanliness. Shri Lal Bahadur Shastri, the second Prime Minister of India who shares the same birthday with Gandhiji and inspired the nation through his "Jai

Jawan Jai Kisan" slogan was also remembered. Floral tributes were paid to both the founding fathers of our nation. After the meeting, the students took a pledge to ensure a clean and green India. This was followed by cleaning of the hostel area in the ODF campus, the main road leading to the south gate entrance and the area near the army canteen by a large number of student volunteers.

Unity Week

IIT Hyderabd celebrated National Unity Week, as a part of the nation-wide campaign from 31st October to 6th November 2016 to honor the memory of Sardar Patel. Following events were conducted to reflect the decisive efforts of the Iron Man of India in unifying the country.
~ Run for Unity
~ Dramas, songs and plays on the theme of unity
~ Essay writing competition
~ T-shirts designing competition on the theme of Unification.
~ Most creative slogan contest on the Unity theme.

TEDxIITHyderabad

An annual programme aimed at educating, inspiring and connecting great minds. Ours is a information seeking age and we are constantly bombarded by it. TEDx is a platform where open-minded, spirited people are brought together to share novel ideas to provoke innovations and ideas that matter. The TEDxIITHyderabad event will be a day long feature where the speakers go live and the TED Talks Videos will be presented, with the goal of realizing and promoting remarkable thinking.
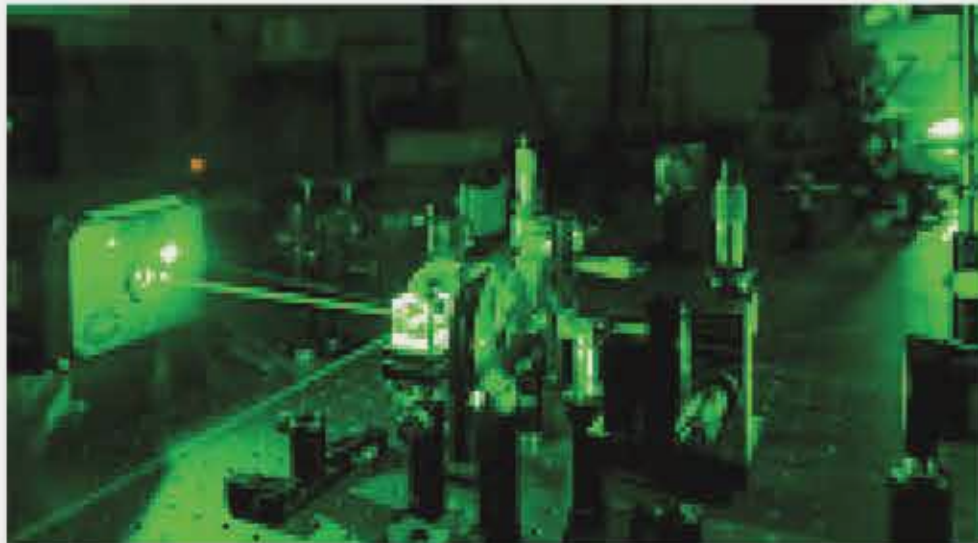
Unnat Bharat Abhiyan

Unnat Bharat Abhiyan is inspired by the vision of transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an Inclusive India.
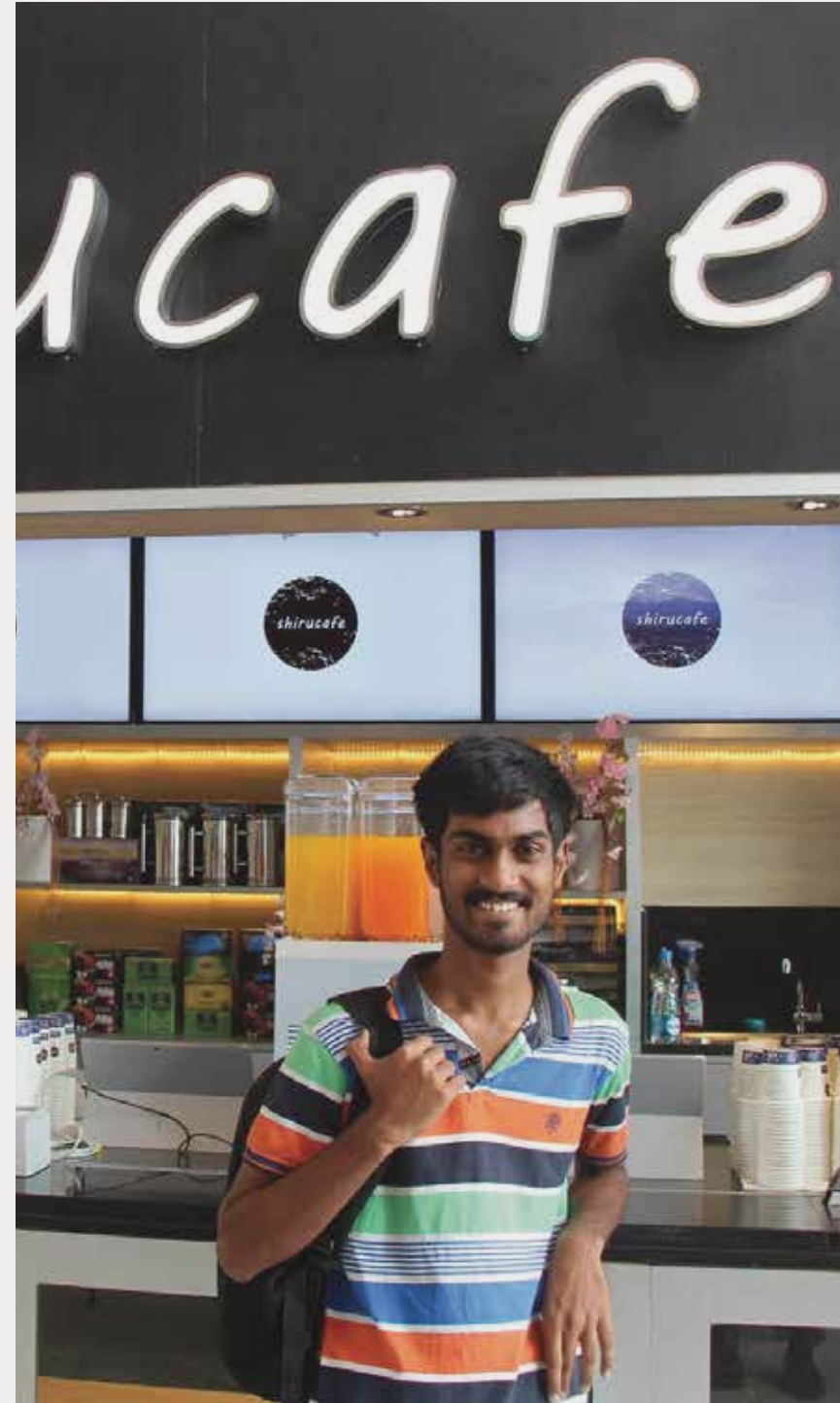
VISIT BY JAPAN AMBASSADOR

LABS OF
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GLIMPSES
IIT HYDERABAD

STUDENT
ACTIVITIES