

IIT Hyderabad to support India Semiconductor Mission with 1st of its kind BTech in Electrical Engineering {IC Design & Technology}

Highlights:

- *Program will provide End-to-end Learning to create Industry Ready workforce in Chip Design and manufacturing.*
- *Students will be provided strong fundamentals in Electrical Engineering in the first two years, and students will delve deep into IC Design or IC Manufacturing for the next two years.*
- *Designed in consultation with the Industry; In-built Semester long Internship program;*

Hyderabad, Sep 17, 2022: Department of Electrical Engineering, in line with India's Semiconductor Mission to promote talents from Chip to Startups, is launching 4 years BTech in Electrical Engineering with a focus on IC (Integrated Circuit) Design & Technology. ***The program aims to provide world-class 'IC Design & Manufacturing' specialists trained in the concepts and techniques of Fabless Chip Design & manufacturing, contributing significantly towards making India a Semiconductor Nation.*** Further, the program intends to provide summer & semester-long industry internships to students to adapt to the market's demand. The students will benefit from the academic acumen of IITH's Faculty & Practical Expertise in the global industry & academic institutes in the field of IC Design & manufacturing. IITH is gratified to have even an incubator, FabCI supporting startups in the field of IC Design and equipped with world-class infrastructure & clean room to accelerate the wholesome learning of the students who choose this discipline.

Complimenting IITH's step, Dr Sunita Verma, Scientist 'G' & Group Coordinator (R&D in Electronics & IT), Meity, said, *"The Bachelor of Electrical Engineering Course with specialization in IC Design & Technology of IIT Hyderabad is being initiated just at the right time. The course curriculum focusing on creating industry-ready design designers at the undergraduate level is a welcome move to make India a global talent hub in the semiconductor design area"*.

Expressing delight over IITH's initiative, Mr Amitesh Sinha, Joint Secretary (Electronics), Meity & Interim CEO, ISM, said, *"Now the time has come to produce the Semicon Packaging & Manufacturing experts also. I am happy to learn that IIT Hyderabad has launched BTech Program in IC Design & Manufacturing. Such course will long in making India a Semiconductor Talent nation"*.

Talking about the program's relevance with NEP 2020, Prof B S Murty, Director, IITH, said, *"Engineering institutes should strive to generate industry-ready human resources. With India moving fast into the semiconductor manufacturing space, it is essential for us to generate competent human resources in this field. One such step from IITH is the BTech in Electrical Engineering with insight into IC Design & Technology. It is in line with India's mission to not only become a global player but a leader in semiconductor design & product development"*.

Mapping the objectives of this program, Prof Shiv Govind Singh, Head - Dept of Electrical Engineering, said, *"Tape out of chip design and hands-on training in semiconductor fabrication labs are the major USPs of this program. Strong practical exposure with summer & semester-long industry training is additional merit of this course"*.

For details & admission, visit <https://ee.iith.ac.in/>
Electronic Media Release: <https://youtu.be/sF-9X9OShcM>



About IIT Hyderabad

Indian Institute of Technology Hyderabad (IITH) is one of the eight new IITs established by the Government of India in 2008. In a short span of **14** years, the institute has become a top-ranker. It has **286** full-time faculty, **~3,800** students, **18+1** Departments + Centre for Interdisciplinary Program, nearly **200+** state-of-the-art laboratories, and five research and entrepreneurship centers. The institute has a strong research focus with approx. Rs **535+** crore of sanctioned research funding, with PhD scholars accounting for about **30%** of total student strength. IITH has more than **7,500+** research publications with **1,00,000+** Citations, **190+** Published Patents, **1,700+** sponsored/consultancy projects with **500+** running projects, and about **100+** startups.

To know more, please visit <https://www.iith.ac.in/>.

Follow us on Twitter: <https://twitter.com/IITHyderabad>

Follow us on Facebook: <https://www.facebook.com/iithyderabad/>

Follow us on Instagram: <https://www.instagram.com/iithyderabad/>

Follow us on LinkedIn: <https://www.linkedin.com/school/iithyderabad/>

Follow us on YouTube: <https://www.youtube.com/c/IITHyderabadofficial>

You can view all press releases/ notes from IIT Hyderabad at: <https://pcr.iith.ac.in/pressrelease.html>

Please direct all media queries to Ms Mitalee Agrawal | Public Relations Officer, IIT Hyderabad | Cell: [8331036099](tel:8331036099) |

Email: pro@iith.ac.in
