



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

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Dear Sir/ Madam,

Greetings from IIT Hyderabad!

I am pleased to inform you of the launch of a 12-month certificate program by IIT Hyderabad on “Future Wireless Communications” that will commence on 1st August 2022.

IIT Hyderabad is one of the first organizations in India to have successfully developed and commercialized 5G technology, including an NB-IoT chipset. It is imperative that this knowledge be shared with as many young graduates in the country as possible in the shortest possible time. The country is moving towards indigenization of 5G networks which requires tens of thousands of skilled man power. This certificate program will help address the acute shortage of manpower in this domain by training 500 engineers/year. Diploma, B.Sc., B. Tech graduates/final year students or with equivalent degree in any branch of science or engineering are eligible for this program. The course is divided into 4 modules with an option to exit after any module with a certificate.

Selected candidates will be awarded with a scholarship of 25,000 INR per month till the program ends. The scholarship will be accompanied with up to 50 pre-placement offers, and 200 R&D project staff positions in the IITH 6G research project.

More details about the program is available on the website (<http://fwc.iith.ac.in/>).

Admission Brochure is attached herewith for your reference.

Yours sincerely,

Prof. Kiran Kumar Kuchi

Dean R&D,

Indian Institute of Technology Hyderabad

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अश्विनी वैष्णव
Ashwini Vaishnaw



रेल, संचार एवं इलेक्ट्रॉनिकी और
सूचना प्रौद्योगिकी मंत्री
भारत सरकार
Minister of Railways
Communications & Electronics and
Information Technology
Government of India

Dear Prof. B S Murty Ji,

It is heartening to note that IIT Hyderabad is launching a certificate program on 'Future Wireless Communications', aimed at training 500 engineers every year.

Government under the leadership of Hon'ble Prime Minister Shri Narendra Modi Ji is focused on developing Aatmanirbhar 5G ecosystem. Our commitment to create a skilled resource pool of specialised engineers is in line with our 20-year-long roadmap to become a trusted global supply chain partner.

Congratulating you and the entire team at IIT Hyderabad and looking forward to the participants of this course contributing to the digital nation building.

(Ashwini Vaishnaw)

Prof B S Murty
Director,
Indian Institute of Technology,
Hyderabad

Certificate Program in

Future Wireless Communication

By

Indian Institute of Technology Hyderabad





About IIT Hyderabad

Indian Institute of Technology Hyderabad (IITH) is a premiere institute of science and technology established in 2008. IITH has been consistently ranked in the top 10 institutes in India for Engineering according to NIRF making it one of the most coveted schools for science and technology in the country.

The very foundation of IIT Hyderabad is based on research and innovation. The vibrant research culture is evident from the number of patents and publications that IITH produces consistently every year. IITH encourages and supports innovation and entrepreneurship at every stage.

Program Introduction

IIT Hyderabad, in collaboration with WiSig Networks has successfully developed and commercialized 5G technology, including an NB-IoT chipset. In the process, a wealth of new knowledge has been created. It is imperative that this knowledge be shared with as many young graduates in the country as possible in the shortest possible time for the following reasons.

- There is a huge shortage of trained manpower in hardware/wireless technologies.
- IIT Hyderabad is currently in possession of cutting-edge technology that can survive only through dissemination.

Program Details

Highlights

- ❖ 12 Months duration
- ❖ 200+ hours of Learning content
- ❖ Mentorship by Industry Experts
- ❖ 4 Modules
- ❖ Live Industry Projects
- ❖ Recognized Certificate Program
- ❖ Learning Support
- ❖ Assured Career Assistance

Key Features

- ✚ Most Affordable 1 Year Certificate Program
- ✚ Curriculum design focus on both academic rigor and industry-relevant skills.
- ✚ Final year students who is wishing to acquire qualification and improve their employability
- ✚ Science or Engineering Graduate or Diploma in Engineering can pursue this course
- ✚ Possible to exit after each module

Stipend and Pre-placement Offers

- ✚ Scholarship will be available for about 200+ Applicants
- ✚ An Applicant who is eligible for scholarship shall receive a monthly stipend of 25,000 INR (that will cover the tuition fee and other expenses)
- ✚ About 50 pre-placement offers shall be made available in core industry (subjected to successful completion of the program)
- ✚ An Applicant selected for pre placements will be funded for this program.

Program Curriculum

The course work is designed with both the academic rigour and relevant industry skills

The program is spread over a duration of 12 Months in hybrid mode (6 months offline and 6 months online)

The program has 4 modules

Module 1

Data Handling and Hardware Programming - This will be completely hands on and should be sufficient for participants seeking entry level jobs in software/hardware (Duration: 12 weeks).

Module 2

Signal Processing and Related Hardware - This will be in hybrid mode and should be sufficient for entry level jobs in Signal Processing (Duration: 12 weeks).

Module 3

Communication Engineering and Standards - This will be completely online should be sufficient for entry level jobs in the Communication industry (Duration: 15 weeks).

Module 4

Hands on training on 5G/ 6G Projects - This will be done at the 5G/6G testbed at IIT Hyderabad (Duration: 16 weeks).

Evaluation

The evaluation system for this course is designed to test the student's progress systematically, after each module.

Those who fail in the test will not receive any certificate and will not be eligible to continue the course.

Those who secure pass marks in the test (without distinction) will receive a certificate for that module, and will not be eligible for the next module.

Those who pass the test with distinction will receive a certificate for that module and will be eligible for the next module.

Those who successfully complete all 4 modules will be provided with the course completion certificate.

Admission Details

Selection Process

- Fill an Application Form <https://fwc.iith.ac.in/>
- Written Test based on Aptitude and Mathematics, at IITH Campus
- Receive intimation about selection and scholarship eligibility
- Issue a provisional admission letter before commencement of the program

Eligibility

Applicants who have completed Science or Engineering Degree or diploma in Engineering, or at least have taken their final examinations and results awaiting. The Applicants who are in final semester may also join the program upon submitting No objection certificate from their institute

Fees

Module 1: ₹ 30,000/-

Module 2: ₹ 60,000/-

Module 3: ₹ 75,000/-

Module 4: ₹ 80,000/-

Total: ₹ 2,45,000/-

Program Partners

IIT Hyderabad

<https://www.iith.ac.in/>

WiSig Networks Private Limited

<https://www.wisig.com/>

WiSig contributes to this program on pro bono basis

IIITB COMET FOUNDATION

<https://comet.iiitb.ac.in/>

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