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**Indian Institute of Technology Jodhpur**

**Office of Academics**

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## **Executive M.Tech. (Intelligent VLSI Systems) Program**

IIT Jodhpur invites applications for admission to **Executive M. Tech. (Intelligent VLSI Systems) program for working professionals** for the Semester commencing from July 2022. The proposed Executive M. Tech program for Intelligent VLSI Systems of IIT Jodhpur includes state of the art semiconductor devices and modeling techniques, analog and digital VLSI circuits and systems, mixed signal circuits, testing and verification algorithms, issues with system integration for performance considerations, covering wide aspects of embedded and computing systems, and emerging applications. It will cover a wide aspect of fundamentals, design skills, hands on through synchronous/asynchronous/campus-immersion mode and current trends in the industry. It will lead the professionals to learn without a career break with classes conducted on weekends/weekdays evenings. The education delivery methodology combines classroom and experiential learning.

### **Eligibility Criteria and Admission Process**

#### **Eligibility**

B.Tech./B.E. (ECE/EE/CSE/EI/MSc. Physics/MSc. Electronics or equivalent) with at least 60% marks. At least 2 years of professional work experience.

#### **Selection Procedure**

Candidates must fill an online application at [https://oa.iitj.ac.in/OA\\_PG\\_ADMISSION/](https://oa.iitj.ac.in/OA_PG_ADMISSION/). Selection will be based on written test and/or interview and/or any other criteria deemed suitable by the admission committee. Prior research exposure and/or industry experience in areas related to VLSI will be considered a plus. The department reserves the right to set any cut off criteria for shortlisting the candidates. Mere fulfillment of the eligibility criteria does not guarantee that the candidate will be shortlisted, as the shortlisting criteria are often stricter than the eligibility criteria. Shortlisting criteria is decided after receiving the applications, and is aimed at limiting the number of candidates considered for evaluation.

**Program Fee:** Fee will be Rs 65,000/- per semester. The program is for min. 3-year (6 semesters) duration. Fees once paid will not be refunded, if the candidate fails to join the program.

**Written Test Topics:** Basics of programming, basic mathematics, basics of electronics, circuit theory, digital electronics

### **Key Features of the Program:**

#### **Class Schedule**

Classes will be conducted in the evening (e.g. from 5 PM to 7 PM IST) or on weekends at a convenient time. There will be two to three lectures/labs every evening, each of duration 50 to 80 minutes. Typical contact time for 1 credit: 14 lectures of 50 min each.



### Online Instruction

Lectures will be webcast online and students will attend in a synchronous audio-visual mode. Students can raise questions during the lecture. Recorded lectures and teaching material will be made available after the sessions. Course management and offline discussions will be enabled via widely-used tools such as Google classroom, Piazza and Moodle.

### Contact Weeks

There will be mandatory two contact weeks in a semester. Students need to be present on campus during a contact week and attend lectures and discussion sessions with instructors, and give a demonstration of assignments. Alternatively, these contact weeks can be organized in remote locations, subject to higher demand.

The first contact week will align in the middle of the semester. The second contact week will align with the last week of the semester (subjected to COVID19 pandemic situation). Institute may provide hostel accommodation during the contact week, subject to availability.

### Assessment

Grading will be based on examinations, online quizzes, theoretical assignments, etc. Institute policy will be followed for the examination.

### Credit Requirements

Students need to earn 62 credits as per the course structure in order to qualify for the degree over a minimum period of 3 years. More details related to the program are available here: <https://iitj.ac.in/department/index.php?dept=ee&cat=program&id=59>

### Faculty

Instructors: IITJ faculty members and industry experts.

### Important Dates

- May 10, 2022: Online applications open
- May 31, 2022: Last date for submitting online applications
- June 10, 2022: Announcing the list of shortlisted candidates
- June 25, 2022: Written-test/interview
- June 30, 2022: Announcement of selected candidates

Fee, registration and commencement of classes as per Institute calendar

### Application Procedure

Applicants are requested to use the following link to fill and submit the application form online: [https://oa.iitj.ac.in/OA\\_PG\\_ADMISSION](https://oa.iitj.ac.in/OA_PG_ADMISSION)



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This online link will become active from May 10, 2022.

Applicants are required to pay the processing fee of Rs. 500 online while submitting the application form. The application fees are non-refundable.

### **Cancellation of admission**

The Institute reserves the right to cancel, at any stage, the admission of a candidate admitted to a program and is later found that he/she is not entitled, being unqualified or ineligible in accordance with the Regulations in vogue, or suspension/termination of program. In case of cancellation/ or withdrawal of admission after registration from the program, refund of fee will not be permissible.

### **Contact us:**

In case of any query with respect to the online application, candidates may contact: Office of Automation (oa\_automation@iitj.ac.in) and other general queries may be directed to the office of the Department of Electrical Engineering at the following phone number: 0291-2801352 or email address: mtech\_wp\_vlsi@iitj.ac.in