

SHORT TERM CERTIFIED SKILL DEVELOPMENT
AND INTERNSHIP PROGRAMME ON

MICROELECTRONICS TECHNOLOGY AND VLSI DESIGN: BASIC

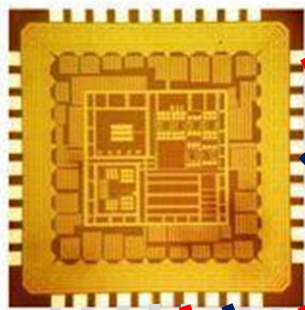
- **5 weeks, Tentative Course start from first week of February.**
- **6.00 PM to 9.00 PM, Monday to Friday**

Offered by:



**IC DESIGN &
FABRICATION CENTRE**
Department of
Electronics &
Telecommunication
Engineering
Jadavpur University,
Kolkata – 700032

Website: www.jaduniv.edu.in
E-mail: juiccentre@gmail.com Phone:
(033) 2457-2406 / 2414-6217
M: 9830157714, 9903402142



Fabrication and Characterization of semiconductor devices

- Hardware fabrication for all process of Microelectronics: cleaning, etching, oxidation, diffusion, photolithography and Metallization.
- Mask Preparation
- Characterization of fabricated device.

Analog MOS circuit

- MOS Physics
- Scaling of MOSFET
- Operation of CMOS
- Circuit design: Amplifiers, Oscillators
- Active loads, Current source, current sink, current mirror
- Single stage CMOS OpAmp

Digital MOS circuit

- Digital MOS circuit implementation
- ADC / DAC using MOS

Nanomaterial and Graphene

- Understanding of synthesis and characterization
- Confinement effect
- Application of nonmaterial
- Graphene synthesis characterization and application

VLSI EDA tool handling

- Introduction to EDA Tools
- Programming using Verilog/ VHDL
- Verification of design using waveform editor

Training Bus

Laboratory Handling

- Programming using Verilog/ VHDL
- Handling of different micro-fabrication techniques
- Fabrication of Graphene material
- Analog and Digital Circuit simulation

Laboratory Facilities



Eligibility: The Candidate should be at least Diploma in 2nd year and above in Electronics and Communication / Chemical / Instrumentation / Electrical / Computer Science / Information Technology or equivalent.

Admission: Application form will be issued from the IC Centre, Department of Electronics & Telecommunication Engineering, 3rd Floor, Jadavpur University, Kolkata or download from our website [www.jaduniv.edu.in or <https://jadavpuruniversity.in>]. Filled in application form shall be received at IC Centre during Monday to Friday, 11 AM to 5 PM.

Course Fee: Rupees 3,540/- (3,000/- + 18% GST) in demand draft should be drawn in favour of "**REGISTRAR, JADAVPUR UNIVERSITY**", in any Nationalized branches of payable at Kolkata. Once deposited the course fee cannot be refunded. Hostel accommodation cannot be provided.

Enclosure: One copy of PP Size Photograph, Xerox copy of Madhyamik Admit Card, Semesters Mark sheet [*Attested / Self Attested copies of Mark sheets / Certificates to be enclosed*]

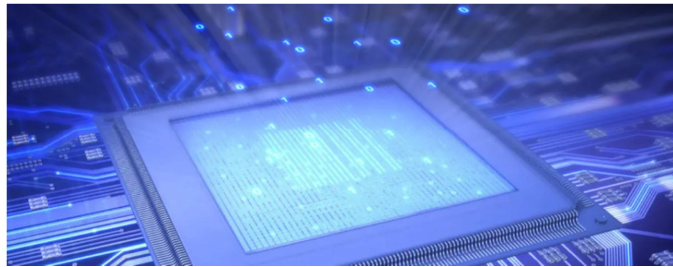
WHY THIS COURSE



HOME » BUSINESS

Government Tweaks Rs 76,000 Crore Semiconductor, Display Fab Scheme To Woo Global Companies

The production linked incentive, or PLI, scheme announced in December last year had offered varying degree of fiscal support to different categories for development of semiconductors and display manufacturing ecosystem in India. These ranged from 30-50 per cent



Semiconductors & Components		<p>Design - Library development, component location on PCB, component identification, specification.</p> <p>Manufacturing - Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware & software.</p> <p>Service - Technical knowledge of components, repair services like soldering, component handling etc.</p>
		<p>Design - Knowledge of RE screen software, HeliScope, site analysis, 2D/3D design, LED efficiency (Lumens).</p> <p>Manufacturing - Testing of PV modules, solar packaging, electrical measurement, soldering techniques.</p> <p>Service - Solar panel repairs, wiring & installation, basic knowledge on installation of floating solar, LED repairs.</p>



THIS STORY IS FROM FEBRUARY 3, 2020

Diploma courses in electric vehicle tech launched

TIMESOFINDIA.COM / Feb 3, 2020, 20:05 IST

619 PTS SHARE

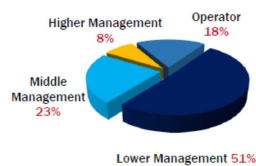
ARTICLES

- Diploma courses in electric vehicle tech launched
- Institute of Open Innovation powered by Manav Rachna: A...



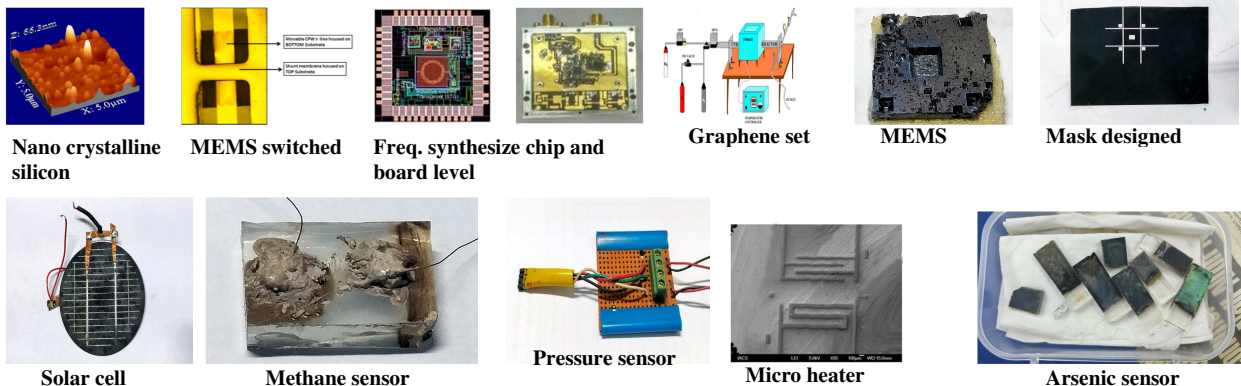
SIX SUB SECTORS: PCB DESIGN & MANUFACTURING, SEMICONDUCTORS & COMPONENTS, INDUSTRIAL AUTOMATION, SECURITY & SURVEILLANCE, SOLAR & LED, E-MOBILITY & BATTERY

30 per cent of the employee base manages the activities carried out by the operators & supervisory staff



GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP DIRECTORATE GENERAL OF TRAINING
COMPETENCY BASED CURRICULUM
DRONE TECHNICIAN
(Duration: Six Months)
CRAFTSMEN TRAINING SCHEME (CTS)
NSQF LEVEL - 4

Glimpse of IC Center outcomes:



Generate Startup