

NIELIT Aurangabad

Brochure

DEPM (Diploma in Electronics Production  
And Maintenance)



National Institute of Electronics & Information Technology  
*Aurangabad*

*Dr. BAM University campus Aurangabad (Maharashtra)431004*

## Location and Accessibility:

Aurangabad is located in Central Maharashtra and has always been a prominent region on the Deccan Plateau. Having been inhabited since the stone age, it has a long artistic and cultural history with various monuments like Bibi a (replica of Taj Mahal), Panchakki, Daulatabad Fort (Second Capital of the Delhi Sultanate), Tomb of Mughal Emperor “Aurangajeb” and Aurangabad Caves, etc..Apart from these, the city is surrounded with world heritage sites like Ajanta (101 km) and Ellora (27 km), holy places like Paithan (60km) and Shirdi (120km). The industrial area of the city has developed rapidly and was the fastest growing industrial city. Aurangabad, about 388 km north- east of Mumbai, has Airport and Railway Station and is connected to Mumbai and New Delhi by Air and Rail. Pune is about 230 km and is well connected by road to all major cities. The institute, having a beautiful building of 12,200 square meters (1,31,272 sqft) on 18.65 acres of hill side land, is located within the campus of Dr. B. A. M University at a distance of 05 km from the Central Bus Stand and 8 km from the Railway Station.

## DEPM (Diploma in Electronics Production and Maintenance):

This is an AICTE approved Diploma Course designed to produce excellent Service and Maintenance Engineers competent in the field of Electronics Production and Maintenance. They are taught latest technology related to Analog and Digital Electronics, Power Electronics, Microprocessor and Micro controllers, PCB Fabrication, Industrial Design, Product Design, etc. NIELIT Aurangabad has state of the art laboratories in these areas.

World class facilities at NIELIT in leading edge Electronic Design, Fabrication and Testing facilities providing full cycle exposure from concept to product realization, expert guidance, and a curriculum envisioned for international standards – facilitate this program a unique educational experience.

## Objective of the Course:

The course of DEPM deals with different dimensions of Electronic Products & Systems especially Electronic Product

Design and Maintenance needs. This course also offers a range of topics related to Industrial Production and Maintenance. More emphasis is given on

practicals to improve the understanding of subjects, so that they can become confident Engineers ready to serve the Industry.

Practical oriented quality education with emphasis on design and project work.

### Sailent Features Of The Course:

- State of art laboratories where students turn their projects into product.
- Students can work on the latest instruments and tools currently used in Industries.
- Equal attention on extra-curricular activities.
- Institute provides job oriented training including soft-skill development.
- Good employment and self employment opportunities.
- PCB lab having PCB design software, PCB fabrication & Assembly setup & SMD facility to design & fabricate the PCB of their Product.

### COURSE OUTCOME:

Students of our Diploma course are capable of handling jobs related to Production and Maintenance of Electronic Products using the various Tools.

### Placement & Industry Interaction:

Some of our recruiters are : Videocon, Tata Steel, Varroc, Trima, Rucha Engineering Ltd., Starion Ltd., Bharat Iron Syndicate Ltd., Bosch, Sterlite, IT Cubes.

Indian Army

### Other Amenities:

Seminar Hall, Conference Hall with Video conferencing , Auditorium.

LAN with 100 (100 Mbps) Nodes,(NKN Connectivity), Smart Virtual Class rooms, National Digital Library & E-Journal accesses, Online Access to IEEE Journals, Learning Resources- 307, Books, Bound volumes and Journals etc., Volley Ball, Basketball, Kho-kho, Sports grounds, Guest House, Cafeteria, Boys' Hostel, Mess, Jogging Track, Gymnasium, Vehicle Parking.

### Recreational & Extra Curricular Activities:

We lays great emphasis on holistic development of students. The Institute provides a range of opportunities outside the classroom as well - be it industry interaction for project work, cultural activities, sports competitions, entrepreneurial pursuits, socially relevant activities through NSS etc.

Institute is having well equipped Gym, large green spaces, jogging track, Football/Hockey, Cricket, Volleyball, Badminton and Basket ball etc. Institute also organizes Foundation day Program, Poster Presentation, Science Day, Ganpati Mahotsav, Sport competitions, Debate ,Essay writing, Paper Reading Competitions, Group Discussion Competitions, Tech Fest celebration, Hindi Pakhwada etc

We offers students opportunities to interact with and learn from corporate professionals, Leaders of the business, representatives of government and non-government organizations, artists and intellectuals regularly visit our campus on invitation to deliver talks and presentations that provide insights to the careers and personal attributes of these role-models

## *INFORMATION SCIENCE (LIBRARY)*



The Library of the NIELIT Aurangabad is a continuous growing organism and Its core objective is to support learners, researchers and scientists with its well managed information resources housed in two floors of the library with a total area of 331 Sq.metre. The library has a rich collection of resources in the form of books, journals, ejournals, theses and other documents covering major subject areas like Electronics, Computer Science, Embedded systems, Bioinformatics, Information Security, E-Learning, Agriculture, Bio technology, Control Engineering, Networking, Communication, etc. The collection is organized according to the Dewey Decimal Classification scheme. Open access system is followed in the library. The library is computerized using the software, SOUL developed by INFLIBNET.

**Library Resources;** Books: 13119, E-books: Subscribed at Books 24\* 7

**E Journals: Science Direct, IEEExplore Digital Library, ASTM Digital Library etc**

## Laboratories :

Embedded system Lab, Electronics and Communication Lab, Product Design, PCB Design, Fabrication & SMD, Agri Instrumentation & Process control Lab., T & M Lab., Power Electronics Lab., Opto Electronics Lab., Consumer Electronics Lab., CAD/ CAM Lab., Workshop., Computer Center, Software Development Lab., Networking & IT Security Lab., Research Lab., Information Science (Library)



## Industry Services :

Product Design & Development

Product Engineering

Process Automation

Service & Maintenance

Consultancy in Technology

Incubation & Absorption and

Equipment Procurement

Name	Designation	Educational Qualification	Experience
Dr. Sanjeev Kumar Gupta	Executive Director ; Scientist/Engineer 'F'	BTech,MS	20 years of R&D Design, Engineering in industry and Post graduate teaching
S.T. Valunekar	Dean (formal Programs) ; Scientist/Engineer 'E'	B.E, M. Tech.	33 years of R&D, PE industry & post graduate teaching
P.T. Sasidharan	Dean (Non-formal Programs); Scientist/Engineer 'E'	B. Tech, ME.	24 years of R&D industry & post graduate teaching
Gera Sasikumar	Head of CAD/CAM, Scientist/Engineer 'E'	B. Tech, M. Tech.	23 years in industrial consultancy & post graduate teaching in CAD/CAM/Mechanical Engineering
Y.P. Gogja	Head of ICT, Scientist/Engineer 'D'	M. Sc, M. Tech.	27 years in R&D and post graduate teaching
Warsha .Kandlikar	M.Tech Co-ordinator, Scientist/Engineer 'C'	B.E, ME	26 years of Post graduate & undergraduate teaching
D.S. Raje	Scientist/Engineer 'C'	B.E.	26 years of Teaching
Lakshman	Head of MCC Scientist/Engineer 'C'	B.E,ME	10 years of R&D, post graduate & undergraduate teaching
V. S. Jahagirdar	Senior Tech. Officer	M. Tech (EDT)	27 years of Post graduate & undergraduate teaching
A.K Joshi	B. Tech/DEPM Coordinator Principal Tech. Officer	M.Sc. Physics	30 years of undergraduate teaching
Sunil K. Singh T	Principal Tech. Officer	B.E (ECE)	27 years of undergraduate teaching
Jagdish Prasad Sanawale	Deputy Director	B.E (ECE)	20 years of undergraduate teaching
Y A KHAN	Principal Programmer	M.C.A	28 years of Teaching
Saurabh Bansod	Scientist-B	B. Tech, M Tech	2 years of teaching experience
Manish Kumar singh	Scientific Technical assistant	B. Tech ECE	
Sagar Jha	Scientific Technical assistant	B. Tech ECE	
Pooja Patil	Sr. Project Faculty	B.E., M Tech (CSE)	3 years in IT company and teaching

Sneha Nakhade	Sr. Project Faculty	B.E., M Tech (CSE)	3 years in IT company and teaching
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## Technical Support Faculty

P.D.Bharne	Pr TechOfficer	DEDE(E&T)	28 years in PCB designing
K.S. Choudhary	Sr TechOfficer	BCA	22 years in IP Network
M. S. Kshirsagar	Sr TechOfficer	DIE (Incl. Elect)	29 years Computer Hardware & Microprocessor
M. L. Garud	Sr TechOfficer	DIEE (Incl. Elect)	28 years in Power Electronics
Balasaheb .B. Sorte	Sr. Technical Officer	DCSM/DME	27 years of Industry & Teaching Experience
S. G. Wankhede	TechOfficer	DEPM	29 years in Consumer Electronics lab
S. R. Jape	TechOfficer	B. F. A. (App. Art)	28 years In fine arts and Product Design
M. Mahto	Sr Tech Assistant	DEE (Elect. Engg.)	26 years In Test and measurement lab
M. K. Kulkarni	TechOfficer(WS)	ITI (Fitter)	27 years in Mechanical Work Shop
R. N. Potbhare	TechOfficer (WS)	ITI (Welder)	21 years in Mechanical Work Shop
S. S. Paropkari	Sr. Electrician	ITI (electrician)	29 years in Power Electronics Lab

### DEPM Fee-Structure, Academic year (2017-18) Admission

Sl. No.	Particulars	1st Sem Fees&Deposit (₹)	2nd Sem Fees (₹)
1	Tuition Fee	17500	17500
2	Caution Deposit *	1250	-
	<b>Sub Total</b>	<b>18750</b>	<b>17500</b>
<b>Boy's Hostel Accommodation</b>			
3	Hostel Fee per Sem ( 5 months)	8250	8250
4	Hostel Deposit*	2500	-
5	Mess Fee per Sem (5 months)	12500	12500
	<b>Sub Total</b>	<b>23250</b>	<b>20750</b>
<b>Other Fees</b>			
	<b>Particulars</b>	<b>Fees (₹)</b>	
6	Backlog Exam Fee per sem (along with junior batch regular exam settings )	300	
7	Backlog Exam Fee per paper (with separate exam setting)	1000	

\*Deposits are onetime payment and returnable on completion of the course subject to NIELIT rules.

Note: SC/ST students are exempted from Tuition Fee(SCST/TSP Scheme). Back log Exam Fee is applicable to all students appearing Back log Exams. There shall be an increase up to 10% in (Sl no 1,3&5) in every academic year.

### DEPM Lateral Entry Fee-Structure, Academic year (2017-18) Admission

Sl. No.	Particulars	3rd Sem Fees&Deposit (Rs.)	4th Sem Fees (Rs.)
1	Tuition Fee	18288	18288
2	Caution Deposit *	1250	-
	<b>Sub Total</b>	<b>19538</b>	<b>18288</b>
<b>Boy's Hostel Accommodation</b>			
3	Hostel Fee per Sem ( 5 months)	5500	5500
4	Hostel Deposit*	2500	-
5	Mess Fee per Sem (5 months)	13750	13750
	<b>Sub Total</b>	<b>21750</b>	<b>19250</b>
<b>Other Fees</b>			
	<b>Particulars</b>		<b>Fees (₹)</b>



6	Backlog Exam Fee per sem (along with junior batch regular exam settings )	300
7	Backlog Exam Fee per paper (with separate exam setting)	1000

\*Deposits are onetime payment and returnable on completion of the course subject to NIELIT rules.

Note: SC/ST students are exempted from Tuition Fee(SCST/TSP Scheme). Back log Exam Fee is applicable to all students appearing Back log Exams. There shall be an increase up to 10% in (Sl no 1,3&5) in every academic year.

## Financial Assistance

Scheduled Caste & Tribe students are exempted from paying Tuition fee & Examination fee in all semesters only once (i.e. repetition of exam/semester due to any reason the fee is not exempted) under the scheme of Scheduled Caste Sub Plan (SCSP) and Tribal Sub Plan (TSP) of Deity,Gol. For fee exemption necessary certificate as per GOI order to be produced from time to time. We encourage students to apply for scholarship from different organisations as per Government rules and regulations

## Industry Interaction:

The institute is also providing the services like product design & development, product engineering, proto-type development, process automation, consultancy, etc. to industries. The institute is also making all efforts to create best infrastructure to provide quality services to industry in servicing and maintenance of sophisticated instruments / machines, support in technology absorption and procurement of latest equipment/ machines.

## Projects and Consultancy:

Post Graduate level academic projects are of one (01) year duration, whereas Diploma level projects are of one (01) semester (six months) duration. Graduate level mini project is in the 5th semester and final year projects is in 6th and 7th semester along with other academic works. Students are encouraged to interact with industry to expose them to industry environment and motivated to undertake real problems of industry as their innovative project work, guided by the faculty. In addition to above, the institute also undertakes Government as well as industry sponsored projects. Some of them are "Training of Teachers in e-learning", "Women Empowerment through Value Added Skill Development in IECT". Apart from above, the consultancy is also provided to the industry. List of recent project undertaken by the centre from various ministries is given below

## Selection Process

Total available seats are 60.

Admission will be at National level.

The selection will be on the basis of Merit and/or Entrance examination.

The Application fees will be Rs. 500/-. However the candidates belonging to SC/

ST/PWD are exempted from application fees.

### **Direct Admission Polytechnic 2<sup>nd</sup> year**

. Eligibility Criteria

Candidate passing 12th Science/Vocational/Technical Subjects or 10+2 years ITI with appropriate Specilization

Candidate should be Indian National and have passed with minimum 35% marks in HSC science / HSC science with Vocational/Technical subjects with appropriate specialization.

SSC (10th Std) or equivalent examination with subjects English, Maths and Science And •

ITI (2 years duration) .

General/Open	OPPwD	OBC	OBCPwD	SC	ST	Total
29	01	15	01	09	05	60

Registration starts from: 01st May to 30th June

Tentative Date for Selection Test : 10th July,2017

Tentative Course Commencement: 1st August

For Further details contact:

A.K. Joshi, DEPM Coordinator

Ph. No.:9623154852

URL: <http://reg-aur.nielit.gov.in>