राष्ट्रीय इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी संस्थान, औरंगाबाद (महाराष्ट्र)

इलेक्ट्रॉनिकी सूचना और प्रौद्योगिकी मंत्रालय,

NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION TECHNOLOGY, AURANGABAD

Ministry of Electronics and Information Technology, Govt. of India

35 Years of Academic Excellence
1986-2021

INFORMATION BROUCHER FOR AICTE APPROVED COURSES
Academic Year 2021-2022

High Level of Excellence

Well Equipped Library & Labs

Industrial R&D Infrastructure

Students Project

Website: www.nielit.gov.in/aurangabad, Phone 0240 2982021,2982022

The Government of India has taken a number of landmark initiatives. The 'Digital India' program is committed to take the cause of good governance forward, in both letter and spirit. Digital India is viewed as a 'game changer', from the perspective of delivery of pro-citizen good governance, with the synchronized and coordinated engagement of the entire Government.

As one of the most sustainable and dependable arm of MeitY, NIELIT has endeavored to lead by example through institutionalization of policies and best practices. It has emerged as a key player in training related services. NIELIT courses are already known throughout India for its high standards of quality and these courses are also supported by an unfaltering and holistic system of examination at the nationallevel.

I am happy to note that through proactive use of technology, capacity building and process re- engineering initiatives, NIELIT has made efforts to leverage its capacity and create synergy in the area of training and support services. Also, in tune with the changing times, NIELIT has diversified and spread its wing by expanding its repertoire of activities. Recently, NIELIT has also taken up new capacity building initiatives in the areas of e-Governance, Digital Marketing, Cloud Computing, Big Data, IoT etc. e-Contents are being developed to usher in a new paradigm of learning.

I would also like to compliment NIELIT for its efforts to standardize its Short-Term Courses across all NIELIT Centres. The Student Support Services have been also upgraded with the introduction of web-based services and a Placement Portal has been institutionalized by NIELIT, which would facilitate the students to seek suitable employment. Such proactive measures are the need of the time and I am happy that NIELIT is introducing such features with the required sensitivity and vibrancy.

I congratulate NIELIT for its endeavor to spread IT literacy and education across the country. The efforts made by NIELIT in implementing various government schemes by scaling up its operations and leveraging its capacities, are praiseworthy.

The integrated NIELIT Website is a welcome step towards uniformity, dynamism and improved services for stakeholders and I wish NIELIT success in its future efforts.

(Ajay Prakash Sawhney)

Message from Director General

The National Institute of Electronics and Information Technology (NIELIT), a body under the administrative control of the Ministry of Electronics and Information Technology (MeitY), Government of India, a distinct identity and character in the panorama of Skill Development and Capacity Building in India. With presence at 42 locations across the country and a network of around 1000 Accreditation Centres, NIELIT is uniquely positioned in terms of its outreach to all corners of the country and all segments of the society.

NIELIT has made efforts to establish standards in the areas of IECT (Information, Electronics and Communication Technology) in both formal and non-formal mode of education. As the education system in this country is undergoing a paradigm shift to improve upon the employability factor, NIELIT is offering a rich repertoire of market-oriented courses in the emerging areas viz Cyber Security, IoT, ESDM, GIS, Cloud Computing, Hardware, Electronics Design Technology, VLSI Design, Embedded Systems, e-Waste, Big Data as per needs of the IT and the electronic industry.

NIELIT Aurangabad is one of the prominent centre of NIELIT that was setup in the year 1987 in order to bring an **innovative**, **entrepreneurial spirit** and to maintain close links with Industries, R&D and Academic Institutions to promote electronics, IT and industrial design culture. Owing to its quality and solution-oriented skilling approach, the centre has produced many prominent **entrepreneurs**, **experts** and **designers.**

As per the aegis of Make-in-India, the Centre is providing Quality Technical Education through **B. Tech. (Electronics System Engineering)**, **M. Tech. (Electronics Design and Technology)** and **Diploma in Electronics Production and Maintenance** leading to Academic Excellence, Creativity and Innovation in the areas of IECT that helps to develop employable workforce and shape entrepreneurs. It is also a Research Centre of the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for conducting research leading to award of Ph.D. Degree in Engineering and Technology.

I am confident that by taking admission at Aurangabad centre of NIELIT, the students would be greatly benefitted by some of the best facilities in the country like Industrial R&D Infrastructure, state-of-the-art Labs, well equipped Library, NKN, rich repertoire of e-journals, Hostel, Gymnasium, Sport Facility.

(Jaideep Kumar Mishra)

The **NIELIT Aurangabad** Centre (erstwhile CEDTI) is one of the prominent Centres of NIELIT that was established in the year 1987 to bring an **innovative, entrepreneurial spirit** along with excellence in teaching, learning and research to develop leaders in IT and Electronics. It is co- located in Dr. Babasaheb Ambedkar Marathwada University (BAMU) campus and possesses state- of-the-art 14 well equipped laboratories and Mechanical workshop besides a rich Library, NKN, Gymnasium for students, Auditorium, Hostel, Canteen, Sports facility spread over more than 18 acres.

The Centre is offering AICTE approved **B. Tech (Electronics System Engineering), M. Tech (Electronics Design and Technology), Diploma in Electronics Production & Maintenance** andis also a Research Centre of the Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for conducting research leading to award of **Ph.D. Degree** in Engineering and Technology.

Based on **project-based** teaching methodology, these courses provide practical skills in in the areas of **Electronics Design & Technology** and includes interdisciplinary field issues such as requirements engineering, industrial design, product engineering, ergonomics, aesthetics, System- level packaging, thermal design, reliability, EMI&EMC, testing & evaluation, maintainability, Serviceability necessary for successful system development, design, implementation and ultimate disposal after decommission. These courses take into account latest **industrial trends** &**requirements** and trains students to become **entrepreneurs, experts & designers**, carry out **R&D** and provide **Industrial Consultancy** in IECT.

NIELIT Aurangabad Centre is promoting Industry Oriented Projects, R & D and consultancy to raise the overall standards. The Centre reckoned on the ideology that identifying the needs of modern engineering & technology education for modern age students supplemented with a vision& mission will lead to a greater education system which is outcome oriented, transparent, accountable & accessible and is also effective in keeping ourselves abreast and keep us way ahead of our competitors.

All the faculty members and scientists working at Centre are striving hard to impart **professional education**, combined with fostering **innovative thinking**, **application of knowledge**, inculcating **professional ethics** and consciousness to social responsibilities. Our core values of excellence, integrity, transparency, quality, team work, execution with passion, trust, continuous and student centric learning are all closely integrated into our academic programs.

I encourage you to explore all that NIELIT Aurangabad Centre has to offer and I am confident that each one of you graduating from the Centre will leave your indelible mark of success in whichever sphere of life you choose to be.

(Sanjeev Kumar Gupta)

Governing Council of NIELIT

Shri Ashwini Vaishnaw Chairperson Hon'ble Minister of Railways, Communications and Electronics & IT	**Shri Rajeev Chandrasekhar** Deputy Chairperson Hon'ble MoS Skill Development & Entrepreneurship and Electronics & IT	**Shri Ajay Prakash Sawhney** Executive Vice Chairperson Secretary, Ministry of Electronics and IT	**Shri Amit Khare** Member Secretary, Department of higher Education Ministry of Human Resources Development
Prof. Dhirendra Pal Singh Member Chairman, UGC	**Prof. Anil D. Sahasrabudhe** Member Chairman, AICTE	**Ms. Jyoti Arora** Member Additional Secretary & Financial Adviser, MEITY	**Dr. Jaideep Kumar Mishra** Member, DG NIELIT, Joint Secretary & Group-Coordinator
Shri Rajiv Kumar Member Joint Secretary, MEITY	**Shri Rajesh Aggarwal** Member, Director General (Training), DGET Ministry of Skill Development & Entrepreneurship	**Mrs. Debjani Ghosh** Member President, NASSCOM	**Prof (Dr) J W Bakal** Member President, IETE
Prof. Pushpak Bhattacharya, Member, Director, Department of Comp. Sci. & Engg., IIT Patna	**Shri Hariom Rai** Member Chairman, Lava International Limited	**Shri. T.V. Mohandas Pai** Member, Chairman Manipal Global Education Services pvt. ltd.	**Shri. Vineet Nayar** Member, Founder Sampark Foundation

CONTENTS

Annexure Details

SAY NO TO RAGGING

According to UGC guidelines, the definition of ragging states that any conduct whether by words spoken or written or by an act which has the effect of teasing, treating of handling with rudeness any other student, indulging in rowdy or undisciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or a junior student or asking the student to do any act or perform something which such student will not in the ordinary course and which has the effect of causing or generating a sense of sham or embarrassment so as to adversely affect physique or psyche of a fresher or a junior student.

IMPORTANT INSTRUCTIONS FOR THE STUDENTS

1. As per the directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in Civil Appeal number 887 of 2009, dated 08-05-2009, ragging is strictly prohibited and banned.
2. All students of the institute have to study and fill affidavit online.
   http://antiragging.in/site/affidavits_registration_form.aspx.
3. Ragging is a Cognizable Offence. Students are advised not to indulge in Ragging.
4. Ragging entails heavy fines and/or suspension/expulsion.
5. In case the applicant for admission in the institute is found to have indulged in ragging in the past or if it is noticed later that he has indulged in ragging, admission may be refused or he/she shall be expelled from the institution.
6. It is mandatory for the parents to report immediately to the Authorities of the Institute in case their wards inform them about ragging.

PUNISHABLE INGREDIENTS OF RAGGING

1. Abetment to ragging or Criminal conspiracy to rag
2. Unlawful assembly and rioting while ragging
3. Public nuisance created during ragging
4. Violation of decency and morals through ragging
5. Injury to body, causing hurt or grievous hurt
6. Wrongful restraint or Wrongful confinement
7. Use of criminal force
8. Assault as well as sexual offences or unnatural offences
9. Extortion or Criminal intimidation
10. Criminal trespass or Offences against property
11. Attempts to commit any or all of the above mentioned offences against the victim(s)
12. Physical or psychological humiliation
13. All other offences following from the definition of "Ragging"

PUNISHMENT

Depending upon the nature and gravity of the offence as established by the Anti-Ragging Committee of the institution, the possible punishment for those found guilty of Ragging at the Institution level shaped any one or any combination of the following:

1. Suspension from attending classes and academic privileges
2. Withholding/ Withdrawing scholarship/ fellowship and other benefits
3. Debarring from appearing in any test/ examination or other evaluation process
4. Withholding results
5. Debarring from representing the institution in any regional, national or international meet, tournament, youth festival etc.
6. Suspension expulsion from the hostel
7. Rustication from the institution for period ranging from 1 to 4 semesters
8. Expulsion from the institution and consequent debarring from admission to any other institution for a specified period
9. Fine ranging between Rupees 25,000/- and Rupees 1 Lakh
10. Collective punishment: When the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment
11. Fresher who do not report the incidents of ragging either as victims or as witnesses shall also be punished suitably.

As per the directions of the Hon'ble Supreme Court of India, if any incident of ragging comes to the notice of authority, the concerned student shall be given liberty to explain and if his/her explanation is not found satisfactory, the authority would expel him/her from the Institute"

1.0 NIELIT Aurangabad –An Introduction

1.1 Genesis

The history of NIELIT dates back to 1974 when the Department of Electronics (DoE) now Ministry of Electronics and Information Technology (MeitY), Govt. of India and the University Grants Commission (UGC) set up the first CEDT within the premises of **Indian Institute of Science (IISc.), Bangalore** with assistance from Swiss Development Corporation.

A decade after the successful running of CEDT, Bangalore, DoE (now MeitY) set up similar centres at **Aurangabad, Imphal** and **Srinagar in 1987, Calicut, Mohali** and **Gorakhpur in 1989**, with an objective to develop human resources at different levels and in different specialized areas of Electronics Design. Aim was to bridge the gap between the academic institutions and industries.

The CEDT centres based at Aurangabad, Calicut, Gorakhpur, Imphal and Srinagar were merged with **DOEACC (a scientific society of MeitY)** in 2001. In order for its metamorphism into an **Institute of National Importance** the Society was renamed as '**National Institute of Electronics and Information Technology (NIELIT) on October 10,2011**.

The **NIELIT Aurangabad** is co-located inside the lush green campus of Dr. B.A.M. University and its campus is spreads over **more than 18 acres**. It has about **14 well equipped laboratories** and **Mechanical workshop** besides a rich Library, Gymnasium for students, Auditorium, Canteen, Basket-ball ground, Volley ball ground, Kho Kho ground etc.

The Centre started offering unique AICTE approved courses viz **Diploma in Electronics Production and Maintenance** since 1987, **M.Tech (Electronics Design and Technology)** since 1990, **B Tech (Electronics System Engineering)** since 2013 and is also a Recognized Research Centre of the Dr. B.A.M. University, Aurangabad since 2007 for conducting research leading to award of Ph.D. Degree in Engineering and Technology.

The Centre also provides **consultancy** and other services to leading **Industries** of the region like Bajaj Auto Ltd, Videocon, Sterlite, Siemens, Meltron, Maharashtra Police Wireless, etc. It is also implementing **ESDM scheme** sponsored by **Ministry of Electronics and Information Technology (MeitY)** for developing human resource with adequate competence levels in **Electronics Design & Production Technologies.**

The Industrial grade laboratories of the Centre are fully equipped with the latest systems and development tools in the area of Printed Circuit board, VLSI Design, Embedded Systems, Product Design, Digital Systems, Process Control & Instrumentation and in CAD/CAM.

Besides numerous reference books, Journals, magazines; the students of the Centre have access to **MeitY Library Consortium** (rich collection of latest e-Journals including IEEE and books) and **National Knowledge Network (NKN)** a strong a network with multi-gigabit capability connected to all universities, research institutions, libraries, laboratories, healthcare and agricultural institutions across the country.

All the labs, library and office are connected through the central network and students can retrieve information from their terminals itself and through well connected Wi-Fi system. The Centre organizes **National Level Seminars/Workshops** in areas like Agri- Electronics, Electronics Product Design, Intellectual Property Rights (IPR), Neural Networks, e-learning regularly.

Trained to become R&D engineers students of the centre are working in **leading and reputed organizations** like C.G Coral. Lucent India, Texas, L&T, HCL, Wipro Technologies, BITS, IIT, BEL, HAL, ISRO, DRDO, BARC, ECIL, Messung, Thermax, Honeywell Cyrus logic L&T EMSYS to name a few.

The Centre has become a solution-oriented model organization and knowledge-based enterprise and is tirelessly working for creating a pool of R&D engineers and Entrepreneurs.

1.2   Objectives of Centre

1. To bring an **innovative, entrepreneurial spirit** along with excellence in teaching, learning and research to develop leaders in IT and Electronics.
2. To generate and keep update **Industry-ready quality professionals** with **knowledge-based skill set** in IECT and allied fields through formal and informal education system.
3. To establish a **Quality system of examination and certification** that is globally recognized and provides a fair assessment of the competency of students.
4. To maintain **close links** with **Industries, R&D and Academic Institutions** to promote electronics, IT and industrial design culture.
5. To develop **entrepreneurs, experts and designers**, carry out R&D and provide
6. **Industrial Consultancy** in IECT.
7. To offer **e-Training** in Electronics, Information Technology and Industrial Design methodology and production technique.

Mission: Identifying the needs of modern engineering & technology education and providing Quality Technical Education leading to Academic Excellence, creativity and innovation in the areas of Electronics and Information Technology.

Vision: To impart professional education that is outcome oriented, combined with fostering innovative thinking, application of knowledge, inculcating professional ethics and consciousness to social responsibilities.

1.3 Product Design

The Centre is providing world-class educational & skill development opportunities to the youth and the course structure at the Centre is designed to inculcate system level understanding among the students. Most of the M.Tech. Projects are sponsored by companies and result in Hardware Electronic Products. Some of the students later transform their knowledge into commercial ventures.

Industry Interaction:

The institute also provides 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.

1.3 R & D, Projects and Consultancy

Post Graduate level academic projects are of one (01) year duration, whereas Diploma and B.Tech level projects are of one (01) semester (six months) duration. 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", "Information Security Education & Awareness" and Women Empowerment through Value Added Skill Development in IECT". Apart from above, the consultancy is also provided to the industry.

1.4 Some of the laboratories
    i. CAD/CAM
    ii. Consumer Electronics
    iii. Industrial Automation
    iv. Internet of Things
    v. Network & Server Facilities
    vi. Opto-Electronics
    vii. Power Electronics
    viii. Printed Circuit Board
    ix. VLSI Design
    x. Embedded System Design
    xi. Open-Source Computing
    xii. AR/VR Lab
    xiii. Library Infrastructure
    xiv. Multimedia Lab
    xv. Additive Manufacturing/3D Printing Lab

1.5 Other Amenities /Facilities:

Lecture Halls	Uninterrupted Power (63 KVA DG Set)
Seminar Hall	Cafeteria
Conference Hall	Boy's Hostel
Auditorium	PG Boy's Hostel
Local Area Network with 225 (100 Mbps) Nodes.	Warden Quarters
Leased line internet connectivity	Guest House
Library with online access to IEEE Journals and National Digital Library of India along with a rich print collection of books, journals and magazines (*refer Annexure XXVI*)	Vehicle Parking
Virtual Smart Class-Room facility	Open Theatre
Placement Cell and Model Career Centre	Record Room (143 Sqm)
Gymnasiums(Separate for Boys & Girls)	Sports Facilities
Dramatics, dance and Extra-Curricular	Jogging Track

1.6   Student Life

The course work is project based and students get ample time to work on innovation. There are various sports and cultural clubs that are being managed by the student community on campus which serve for various extra-curricularactivities:

1. Cricket
2. Badminton
3. Lawn Tennis
4. Basket-Ball
5. BodyBuilding
6. Drama Club
7. MusicClub
8. Athletics
9. Literary and FineArts
10. Photography

1.7 Location
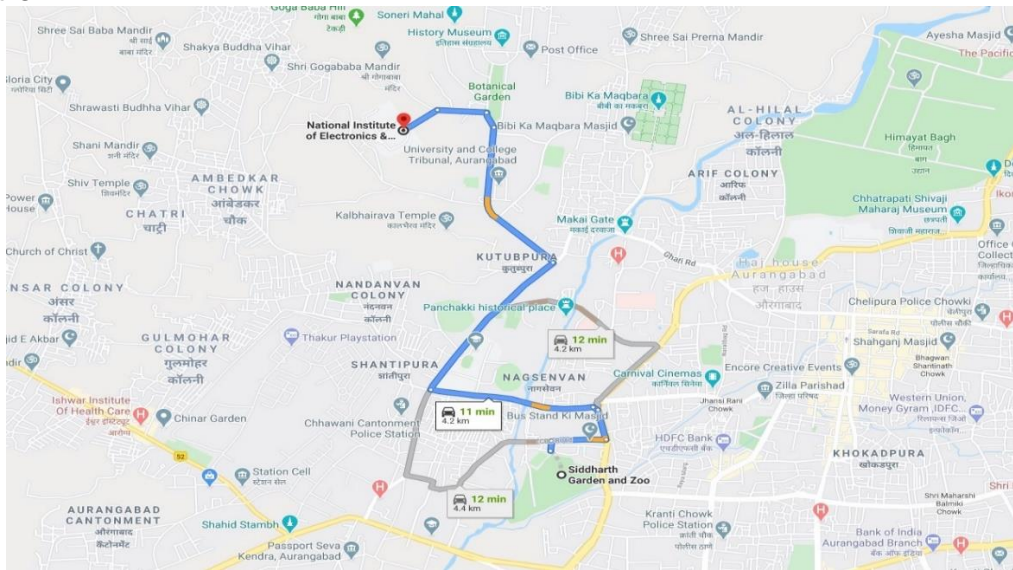
NIELIT Aurangabad
Dr. Babasaheb Ambedkar Marathwada University Campus,
Aurangabad, Maharashtra-431004
Website: http://nielit.gov.in/aurangabad/
Landline:(+91-240) 2982021,2982022
Telephone/Fax: (+91-240) 2982050

2.0 Formal Courses

The Institute is offering following AICTE approved courses:
A) Diploma in Electronics Production and Maintenance (DEPM)
B) B.Tech in Electronics System Engineering.
C) M.Tech in Electronics Design and Technology
D) Part-time M. Tech in Electronics Design and Technology

These courses are practical oriented and are designed with an emphasis on design and project work. The quality of education is maintained by periodic review and update of syllabus considering the latest trends and needs of industry, in-depth study by the students through semester system, transparent evaluation system and flexibility being autonomy granted to the Centre by Dr. B.A.M. University, Aurangabad(M.S).The Centre enjoys the reputation of its students getting employed in reputed industries and organizations almost immediately on their completion of courses or settled as successful entrepreneur.

Important Dates

Sr. No.	Last date	DEPM First Year	DEPM (Lateral Entry)	B.Tech (Lateral Entry)	M.Tech (EDT) Full-time	M.Tech (EDT) Part-time
1.	Downloading Application form from website	Please visit website @ www.dtemaharashtra.gov.in	14th August, 2021	14th August, 2021	Please visit website www.ccmt.nic.in	14th August, 2021
2.	Receipt of Application Form along with Fees		10th Sept, 2021	10th Sept, 2021		10th Sept, 2021
3.	Written Test (tentative)		13th Sept, 2021	13th Sept, 2021		13th Sept, 2021
4.	Declaration of list of selected & waitlisted Candidates		15th Sept, 2021	15th Sept, 2021		15th Sept, 2021
5.	Document Verification and Admission to the course		15th Sept, 2021	15th Sept, 2021		15th Sept, 2021
6.	Waitlist student Admission		17th Sept, 2021	17th Sept, 2021		17th Sept, 2021
7.	Academic calendarstarts		1st Oct. 2021	1st Oct. 2021		1st Oct. 2021

*** **All the dates are tentative and any change in date will be displayed on the website only***
** List of Selected & Waitlisted Candidates will be displayed on the website only
**The dates for admission in Diploma course will be as per the schedule of CAP 2021.
** The dates for admission in B.Tech course will be as per the schedule of JoSSA/CSAB 2021
** The dates for admission in M. Tech course will be as per the schedule of CCMT 2021
** The Competent Authority at his discretion may extend the Last date

Important Links

Sr.No	Purpose	URL
1.	Downloading of Application Form	https://www.nielit.gov.in/aurangabad
2.	List of Selected & Waitlisted Candidates	
3.	Date and time for operation of the waiting list	

Process for Payment for Fees

Name of the Institute/Beneficiary	National Institute of Electronics and Information Technology (NIELIT)
Name of the Bank	State Bank of India
Branch	Samarth Nagar Aurangabad Maharashtra
Saving Bank Account Number	32078399585
IFSC/RTGS NO	SBIN 0007919
Mode of Electronic Transfer	NEFT, SBICollect, Website: www.onlinesbi.com

Syllabus of Written test

Sr. no	Purpose	Syllabus	Subjects
1.	DEPM (Direct)	X standard of CBSE Board	Science, Mathematics &English
2.	DEPM(Lateral Entry)	XII standard of CBSE Board	Physics, Chemistry and Mathematics & English
3.	B.Tech (Lateral Entry)	Diploma (Electronics) recognized by State/Central Board of Technical Education	
4.	M.Tech (EDT) for part time	Gate 2021 Syllabus for (Common Subject of Electronics and Communication/Instrumentation Engg. /Electrical Engg)	

Written Test for Admission
1. The written entrance test will be of 1½hours duration
2. The question be of objective type, wherein the candidate is provided, multiple choice answers
3. The candidate is required to mark the correct answer in the same sheet, provided to him/her.
4. The candidates are required to bring Pen, HB Pencil, Sharpener and Eraser.
5. Candidates are not allowed to take the Question/Answer booklet outside the exam hall.
6. Test will be in English Medium only.
7. Calculators, Mobile, Digital Diary, Log books and Pocket PCs are not allowed in the Exam Hall.
8. **Conduction of written test is subjected to the number of candidates applied for the course.**

Important Information
1. The student is required to submit the undertaking to agree to abide by the terms and conditions of the institute and AICTE New Delhi at the time of admission in the prescribed format as per Annexure V(C) and counter signed by parent / guardian.
2. The students are encouraged to interact with industry for getting familiar to industry environment and to study & undertake real problems being faced by them as their project work.
3. All the students (boarders as well as day scholars) are required to strictly abide by the rules of the Institute / Centre, failing which disciplinary action may be taken against them.
4. The mess is attached to the hostel.
5. Mess–Canteen facility is compulsory for the students who reside in NIELIT Hostel.

3.0 Diploma in Electronics Production & Maintenance (DEPM)

This is a three- year (Six Semesters) course, which grooms students for a career as Production/Maintenance Supervisor or Design Assistant in Electronics or allied industry or entrepreneur. The course is approved by AICTE, New Delhi and Maharashtra state Board of Technical Education (MSBTE), Maharashtra (India).

3.1 Admission in 1st Year
3.1.1 Minimum Eligibility Criteria
X^{th} standard/Secondary School Certificate (SSC) Examination passed from a recognized Board with a minimum average score of 35% in Mathematics and Science subjects.

3.1.2 Seat Matrix

Sr. No.	Course Name	Total
1	Diploma Electronics Production & Maintenance (DEPM)	60*

*Number of seats indicated above are tentative and subjected to be change by Government orders given time to time.

Important
  i. Seats are reserved for candidates belonging to reserved categories as per Government of India Rules and approval of AICTE, New Delhi.
 ii. General, OBC, SC, ST, PWD and Foreign National Seats are reserved as per Govt. of India Rules, AICTE and/or University Approval.
iii. Seats for Foreign Nationals are reserved as per Government of India Rules and University approval.

3.2 Lateral Entry/Direct Admission in 2nd Year
3.2.1 Minimum Eligibility Criteria
XII standard/ Higher Secondary Certificate (HSC) Examination passed from a recognized Board with Physics, Chemistry and Mathematics
        OR
ITI (Electrical / Electronics) from recognized Institute.

3.2.2 Seat Matrix
12 Seats + Vacant Seats (if any)
Note: General, OBC, SC, ST, PWD and Foreign National Seats are reserved as per Govt. of India Rules, AICTE and/or University Approval.

3.3 Selection Process
(A) National Applicants
  i. Only the Candidates meeting the minimum eligibility criteria will be eligible for admission.
 ii. Admission to DEPM program for 1st year will be through centralized Admission Process (CAP) conducted by DTE Maharashtra, Visit the official website of the Directorate of Technical Education, Maharashtra @ www.dtemaharashtra.gov.in.
iii. The Merit List for Lateral Entry in 2nd Year to DEPM program will be based on the score in the Written Test and/or score in XII standard/ Higher Secondary Certificate (HSC)/ ITI (Electrical)/ ITI (Electronics) Examination.

iv.   Admission of the Selected Candidates will be subject to their verification of Documents and payment of applicable fees.

v.   The category-wise Main List (selected) and Waiting List of the candidates for admission to (year 2021-22) of DEPM Course will be displayed on the website and Notice Board of the Institute.

vi.   The date and time for operation of the waiting list shall also be declared along with the list of selected candidates. All the waitlisted candidates should make themselves available at the time of counselling of the waiting list, otherwise their claim shall be forfeited.

vii.   The waitlisted candidates, available at the time of counselling of the waiting list, shall be provisionally admitted as per the merit of the category-wise waiting list.

viii.   The selected main and waiting list candidates are required to register on the day as notified along with the list of documents asked and by making payment as mentioned in **Section 3.13** for admission in 1st year and **Section 3.14** for Lateral Entry/Direct Admission in 2nd Year**, otherwise their claim shall be forfeited**.

ix.   Admission process of the DEPM Course is completed when the approved intake of candidates as per Seat Matrix are provisionally admitted and registered or a time limit decided by the competent authority is over, which- ever is earlier.

B)   International Applicants for admission for 1st year

i.   Admission of Foreign Nationals is subject to guidelines, laid down by Government of India from time to time.

ii.   Persons of Indian Origin (PIO) is an individual with foreign citizenship, except Pakistan and Bangladesh, without "NRI" status, holding a Foreign Passport at the time of applying for admission as well as during the study period and is himself/herself or anyone/both of his/her parents or anyone/both of his/her grandparents is/was/were Indian citizens.

iii.   Children of Indian workers in the Gulf Countries (CIWG) are children of an Indian who is working in Gulf Countries under relevant working visa.

iv.   Non-Resident Indian (NRI) Candidate is Child/ward of the person having 'NRI status as defined under section 6 of the Income Tax Act.

v.   Their application, will however, be considered separately on first cum first serve basis as per the procedure, mentioned in ANNEXURE-IV(A)

vi.   Foreign nationals are required to download and submit the application form for eligibility cum admission (ANNEXURE-IV(A)) and declaration & undertaking format (ANNEXURE-IV(B)) along with payment of Rs.5000/- or equivalent foreign currency(non-refundable).

3.4   Cancellation of Secured Admissions

If any vacancy arises after completion of admission process, the vacancy may be filled on case-to-case basis at the discretion of the Competent Authority as per the following procedure:

i.   Preference shall be given as per the ranking in common merit list.

ii.   The Selected Students as per ranking in Merit List, who could not reach the Centre for admission on the pre-intimated day because of legal and/or genuine reason(s) and approaching/contacting the institute are first considered for filling the said vacancy.

iii.   After (i) & (ii), the candidates, who have not been offered the admission and approaching, may be considered.

3.5   Academic Calendar – Refer **ANNEXURE –I**

3.6   Scheme of Instruction for First Year:

Every student has to register for all the subjects of a Semester as mentioned below. A six weeks mandatory vocational training is arranged for DEPM students during the summer vacation at the end of IV Semester.

Semester I

Sr. No	Course Title	Abbre viation	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory Total (ESE and PA)		Practical Total (ESE and PA)		Grand Total
				L	T	P		Max	Min	Max	Min	
1	English	ENG	21D11	3	-	2	5	100	40	50	20	150
2	Mathematics-I	MAT1	21D12	4	2	-	6	100	40	-	-	100
3	Physics	PHY	21D13	2	-	2	4	50	20	50	20	100
4	Chemistry	CHE	21D14	2	-	-	2	50	20	--	--	50
5	Fundamentals of ICT	ICT	21D15	2	-	2	4	-	-	50	20	50
6	Engineering Drawing	EDW	21D16	2	-	4	6	-	-	100	40	100
7	Workshop Technology	WT	21D17	-	-	4	4	-	-	100	40	100
8	Environmental Studies	EST	21D18	3	-	-	3	100	40	--	--	100
	Total			**18**	**2**	**14**	**34**	**400**	**-**	**350**	**--**	**750**

Semester II

Sr. No	Course Title	Abbre viation	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory Total (ESE and PA)		Practical Total (ESE and PA)		Grand Total
				L	T	P		Max	Min	Max	Min	
1	Mathematics-II	MAT2	21D21	4	2	-	6	100	40	--	--	100
2	Electrical Technology-I	ET1	21D22	4	-	2	6	100	40	50	20	150
3	Analog Electronics-I	ADC1	21D23	4	-	4	8	100	40	50	20	150
4	Material Technology	MTE	21D24	3	-	-	3	100	40	--	--	100
5	Computer Programming	CPR	21D25	4	-	4	8	100	40	50	20	150
6	Business Communication	BCO	21D26	-	-	2	2	--	--	50	20	50
	Total			**19**	**2**	**12**	**33**	**500**	**--**	**200**	**--**	**700**

Semester III

Sr. No	Course Title	Abbre viation	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory Total (ESE and PA)		Practical Total (ESE and PA)		Grand Total
				L	T	P		Max	Min	Max	Min	
1	Digital electronics	DET	21D31	4	-	2	6	100	40	50	20	150
2	Analog electronics-II	AE2	21D32	4	-	4	8	100	40	50	20	150
3	Electrical Technology-II	ET2	21D33	3	2	2	7	100	40	50	20	150
4	Test and Measurement	TM	21D34	4	-	4	8	100	40	50	20	150
5	Principles of Electronics Communication	PEC	21D35	4	-	2	6	100	40	50	20	150
	Total			**19**	**2**	**14**	**35**	**500**	**--**	**250**	**--**	**750**

Semester IV

Sr. No	Course Title	Abbreviation	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory Total (ESE and PA)		Practical Total (ESE and PA)		Grand Total
				L	T	P		Max	Min	Max	Min	
1	Linear Integrated Circuit	LIC	21D41	4	-	2	6	100	40	50	20	150
2	Consumer Electronics	CEL	21D42	3	-	2	5	100	40	50	20	150
3	Microcontroller and Applications	MIC	21D43	4	-	2	6	100	40	50	20	150
4	Power Electronics	PEL	21D44	3	-	2	5	100	40	50	20	150
5	Digital Communication Systems	DCS	21D45	4	-	4	8	100	40	50	20	150
6	Maintenance of Electronics Equipment and EDA tool Practices	MEDA	21D46	-	-	4	4	-	-	50	20	50
	Total			**18**	**0**	**16**	**34**	**500**	**--**	**300**	**--**	**800**

Semester V

Sr. No	Course Title	Abbreviation	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory Total (ESE and PA)		Practical Total (ESE and PA)		Grand Total
				L	T	P		Max	Min	Max	Min	
1	Product Design	PDE	21D51	3	-	2	5	100	40	50	20	150
2	Control system and PLC	CSP	21D52	4	-	2	6	100	40	50	20	150
3	Embedded Systems	ESY	21D53	3	-	2	5	100	40	50	20	150
4	Mobile and Wireless Communication	MWC	21D54	4	-	2	6	100	40	50	20	150
	Elective											
5	Industrial Automation	IAU	21D55	3	-	2	5	100	40	50	20	150
	Principle of Industrial IoT	IOT	21D56	3	-	2	5	100	40	50	20	150
6	Printed Circuit Board-I	PCB1	21D57	3	-	2	5	100	40	50	20	150
7	Industrial Training	INTR	21D58	-	-	6	6	-	-	50	20	50
8	Capstone Project planning	CPP	21D59	3	-	-	3	-	-	50	20	50
	Total			**23**	**0**	**18**	**41**	**600**	**-**	**400**	**-**	**1000**

Semester VI

Sr. No	Course Title	Abbreviation	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory Total (ESE and PA)		Practical Total (ESE and PA)		Grand Total
				L	T	P		Max	Min	Max	Min	
1	**Costing and Management**	CMG	21D61	3	-	0	3	100	40	-	-	100
2	**Computer networking and Data Communication**	CND	21D62	3	-	2	5	100	40	50	20	150
3	**Emerging Trends in Electronics**	ETE	21D63	3	-	0	3	100	40	-	-	100
4	**Printed Circuit Board-II**	PCB2	21D64	3	-	2	5	100	40	50	20	150
	Elective											
5	**Mechatronics**	MEC	21D65	3	-	2	5	100	40	50	20	150
	Optical Networks and Satellite communication	OSC	21D66	3	-	2	5	100	40	50	20	150
6	**Entrepreneurship development**	EDE	21D67	2	-	2	4	-	-	100	40	100
7	**Capstone Project execution and Report writing**	CPE	21D68	-	-	4	4	-	-	100	40	100
8	**VLSI with VHDL**	VWV	21D69	2	-	2	4	-	-	50	20	50
	Total			**19**	**0**	**14**	**33**	**500**	**-**	**400**	**-**	**900**

3.7 Scheme of Instruction for Direct Second Year:

Every student has to register for all the subjects of a Semester as mentioned below. A four weeks mandatory vocational training is arranged for DEPM students during the summer vacation at the end of IV Semester.

Semester III

Sr. No.	Code	Subject	Lecture	Tutorial	Practical	Credit	Marks
1.	D301	Mathematics III	3	0	0	3	75
2.	D302	Electrical Technology II	3	0	3	3	75
3.	D303	Workshop Technology	2	0	0	2	50
4.	D304	Analog & Digital	3	0	3	4	100
5.	D305	PCB Technology I	2	0	6	4	100
6.	D306	Test & Measurement I	3	0	3	4	100
7	D307	Computer &Data	3	0	6	4	100

Semester IV

Sr. No.	Code	Subject	Lecture	Tutorial	Practical	Credit	Marks
1.	D401	Analog & Digital	3	0	6	4	100
2.	D402	PCB Technology II	2	0	6	4	100
3.	D403	Test & Measurement II	3	0	3	4	100
4.	D404	Components &	3	0	0	3	75
5.	D405	Consumer Electronics	3	0	6	4	100
6.	D406	Computer &Data	3	0	6	4	100

Semester V

Sr. No.	Code	Subject	Lecture	Tutorial	Practical	Credit	Marks
1.	D501	Test & Measurement III	3	0	3	4	100
2.	D502	Power Electronics II	3	0	6	4	100
3.	D503	Microprocessors	3	0	6	4	100
4.	D504	Product Design	3	0	3	4	100
5.	D505	Material Technology	3	0	0	3	75
6	D506	Costing &Management	2	0	0	2	50

Semester VI

Sr. No.	Code	Subject	Lecture	Tutorial	Practical	Credit	Marks
1.	D601	Microcontroller	3	0	6	4	100
2.	D602	Maintenance &	2	0	6	4	100
3.	D603	Project	0	0	0	10	250

3.8 Term Course Load:
i. In each semester, subject load varies from 18 to 41 credits per semester.
ii. During the course period, student has to pass certain number of subjects and complete satisfactorily the assigned project work of 10 (ten) credits in the sixth semester.
iii. On valid grounds, the authority may advise a student, who is unable to complete the course requirements in the normal period, to continue for an extra term
iv. **Diploma should be completed within six semesters.**

3.9 Assessment:
i. The overall performance of a student is evaluated by assigning equal weightage to all the six semesters in order to maintain the quality of education.

ii.   A student is permitted to appear for the semester examination subject to he or she has a minimum attendance of 75% in theory and practical classes, completes all his/her sessional assignments and clears all his/her dues.
iii.   Non-appearance in any examination is treated as the student having secured zero mark in that subject examination.
iv.   The evaluation is based on an average weightage system. Every subject has credit points based on the hours of study required.
v.   Every student is assessed in a subject with equal weightage to sessional work and semester examination, thereby making the students study regularly.
vi.   Every student is awarded Grade points out of maximum 10 points in each subject. (Based on 10 Points Scale).
vii.   Based on the Grade points obtained in each subject, Semester Grade Point Average (SGPA) and then Cumulative Grade Point Average (CGPA) are computed as per **ANNEXURE-II.**

3.10 Award of Diploma:
i.   A student must complete the minimum requirement of credits in maximum period of six (6) years and must obtain a minimum CGPA of 3.3 in the course to qualify for award of Diploma.
ii.   The Diploma is awarded by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
iii.   It is also recognized by Directorate of Technical Education, Government of Maharashtra.

3.11 Scholarship
The Institute encourages and provides assistance to all the students, particularly the reserved category, to apply for the Central / State Govt. scholarship for reimbursement of tuition fee and maintenance allowance as per State Govt. rules.

3.12 Assistance in Placement / Pursuing Higher Studies:
The Placement Cell of the Centre offers all assistance to the students for employment / self-employment. Most of the students passing out from the Centre have good opportunities to build their career.

3.13 DEPM Fee-Structure for 1st year admission for Academic year (2021-22)

Sr. No.	Particulars	1st Sem Fees (Rs.)	2nd Sem Fees (Rs.)
1	Tuition Fee	21000	21000
2	Caution Money Deposit*	1250	--
3	Sub total	22250	21000
Boy's Hostel Accommodation			
4	Hostel Fee per Semester (5 months)	9100	9100
5	Hostel Deposit*	2500	--
6	Sub total	11600	9100
Other Fees			
	Particulars	Fees	
7	Exam Fee	100.00/- per subject/ Practical	
8	Backlog Exam Fee per subject	300.00/ per subject/practical	

*Caution Money Deposits are onetime payment and returnable on completion of the course subject to NIELIT rules.
*Mess Service are compulsory for Hostel Students. Outside food within the premises is not permissible. Mess charges are to be paid directly to mess manager on monthly basis.

Important:

i. Presently, SC/ST students are exempted from paying Tuition Fee under SP/TSP Scheme, only Caution Money deposit, hostel fee and deposit is required to be paid

ii. Back log Exam Fee is applicable to all students appearing Backlog Exams.

iii. Thereshallbeanincreaseupto10%in (Sl.No.1&3) in every academic year.

3.14 DEPM Lateral Entry Fee-Structure for Academic year (2021-22)

Sr. No.	Particulars	1st Sem Fees (Rs.)	2nd Sem Fees (Rs.)
1	Tuition Fee	21000	21000
2	Caution Money Deposit*	1250	--
3	Sub total	22250	22000
Boy's Hostel Accommodation			
4	Hostel Fee per Semester (5 months)	9100	9100
5	Hostel Deposit*	2500	--
	Sub total	11600	9100
Other Fees			
	Particulars	**Fees**	
6	Exam Fee	100.00/- per subject/ Practical	
7	Backlog Exam Fee per subject	300.00/ per subject/practical	

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

*Mess Service are compulsory for Hostel Students. Outside food within the premises is not permissible. Mess charges are to be paid directly to mess manager on monthly basis.

Important:

i. SC/ST students are exempted from Tuition Fee (SP/TSP Scheme), only Caution Money deposit and hostel fee and deposit is to be paid.

ii. Backlog Exam Fee is applicable to all students appearing Backlog Exams.

iii. There shall be an increase upto 10% (SR.No.1&3) in every academic year.
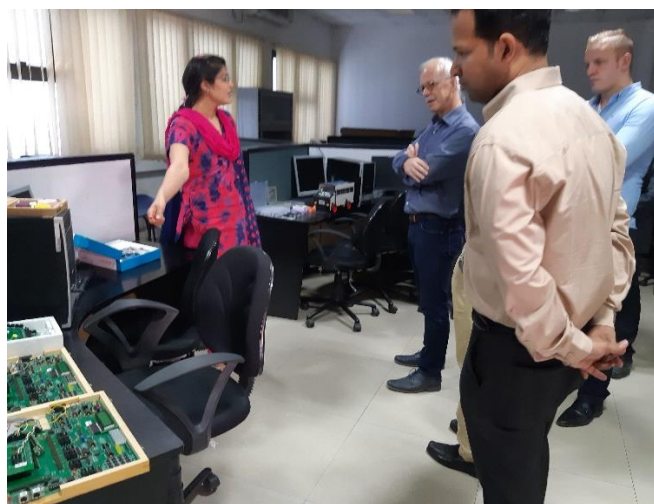
4.0   B.Tech.(Electronics System Engineering)

This is four years (Eight Semesters) course approved by AICTE, New Delhi. This course is designed to produces Qualified and skilled engineers capable of doing Innovative Design and Development of Electronic Products. The prospective Engineers are groomed to adopt to changing professional and societal needs through the project-oriented teaching approach. They will become qualified to work in multiple sectors viz Public Sector, Telecom Industry, IT, Automation & Instrumentation Industries.

4.1   Eligibility for Admission in 1st Year

Admission to B.Tech.(Electronics System Engineering) being offered by NIELIT Aurangabad will be made on the basis of JEE (Main) conducted by National Testing Academy (NTA)on behalf of the Govt. of India. The Joint Seat Allocation (JoSAA) / Central Seat Allocation Board (CSAB) will conduct centralized admissions for this course. For further details candidate are advised to **please visit http://josaa.nic.in/**and **http://csab.nic.in/**

About Joint Seat Allocation Authority (JoSAA)

The **Joint Seat Allocation Authority (JoSAA)** has been set up by the Ministry of Human Resources Development (MHRD) to manage and regulate the joint seat allocation for admissions to IITs, ISM, NITs, IIITs and Other-Government Funded Technical Institutes (Other-GFTIs). Admission to all the academic programs offered by these Institutes will be made through a single platform.

a. The Eligible candidate has to register and fill choices for academic program under JoSAA.

b. Document verification will be done for acceptance of and admitting to Institute of the candidates selected by JoSAA.

c. Special vacant seat filling round (Special round) will be conducted by Central Seat Allocation Board. For further details please visit :**http://csab.nic.in**

d. The allotted candidate to NIELIT Aurangabad should report to this Institute along with the all-original certificates & Xerox copy of each documents which the candidate had verified at the reporting center in the stipulated duration and time.

e. Thecandidatehastodepositthedifferenceamount(ifany)throughNEFT/RTGS

f. The fee structure is given in **Section 4.12** .

4.1.1 Seat Matrix

General	OBC	SC	ST	PWD		Student Studying Abroad	Total
				General	OBC		
28	15	09	05	02	01	9	69

There is a separate quota of 9 seats for Student studying abroad. The interested candidates will have to take admission through DASA **(https://www.dasanit.org/)**.

4.2   Lateral Entry (Direct Second Year) in B.Tech.(Electronics System Engineering)

4.2.1 Minimum Eligibility Criteria

Three Year Diploma in Electronics & allied streams with **minimum 45% marks** (40 percent for SC/ST candidates) are eligible for **Lateral Entry (Direct Second Year) in B.Tech**.

4.2.2 Seat Matrix

Vacant Seats (ifany)
Note: General, OBC, SC, ST and PWD are reserved as per Govt. of India Rules, AICTE and/or University Approval.

4.2.3 Selection Process for Lateral Entry

i. Only the Candidates meeting the minimum eligibility criteria will be eligible for admission.
ii. Admission to lateral entry (direct second year) in B.Tech will be through Maharashtra Admission regulating Authority/ written exam conducted by NIELIT Aurangabad.
iii. The eligible candidates have to download the Application Form online and has to submit the same on **email id :btech-abad@nielit.gov.in**
iv. The Application fees will be Rs.500/- non-refundable. However, the candidates belonging to SC/ST/PWD are exempted from application fees.
v. The Merit List for admission to **2nd Year B.Tech (Lateral Entry)** will be based on the score in the Written Test and/or score in Diploma Electrical/Electronics and allied streams.
vi. Admission of the Selected Candidates will be subject to their verification of Documents and payment of applicable fees.
vii. The category-wise Main List (selected) and Waiting List of the candidates for admission to (year 2021-22) of **2nd Year B.Tech (Lateral Entry)** will be displayed *only on the website and Notice Board of the Institute.*
viii. The date and time for counselling of the waiting list shall also be declared along with the list of selected candidates. All the waitlisted candidates should make themselves available at the time of the waiting list counselling, otherwise their claim shall be forfeited.
ix. The waitlisted candidates, available at the time of the waiting list counselling, shall be provisionally admitted as per the merit of the category-wise waiting list.
x. The selected candidate from main list and waiting list candidates are required to register on the day as notified along with the documents and by making payment as mentioned in **Section 4.12** for admission in 1styear and **Section 4.13** for Lateral Entry/Direct Admission in 2nd Year**, otherwise their claim shall be forfeited**.
xi. Admission process of the **2nd Year B.Tech (Lateral Entry)** is completed when the approved intake of candidates as per Seat Matrix are provisionally admitted and registered or a time limit decided by the competent authority, which-ever is earlier.

4.3   Admission in the event of cancellation of secured admission
If any vacancy arises after completion of admission process, the vacancy may be filled on case to case basis at the discretion of the Competent Authority as per below mentioned procedure:
  i. Preference shall be given as per the ranking in common merit list.
 ii. The Selected Students as per ranking in Merit List, who could not reach the Centre for admission on the pre-intimated day because of legal and/ or genuine reason(s) and approaching/contacting the Institute are first considered for filling the said vacancy.
iii. After (i) & (ii), the candidates, who have not been offered the admission and approaching, may be considered.

4.4   Academic Calendar – Refer ANNEXURE –I

4.5   Scheme of Instruction for First Year (2021-2022):
Every student has to register for all the subjects of a Semester as mentioned below.

Semester I

Sr. No	Course Title	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory Total (ESE and PA)		Practical Total (ESE and PA)		Grand Total
			L	T	P		Max	Min	Max	Min	
1	Engineering Physics	1LP01	3	-	2	5	100	40	50	20	150
2	Engineering Drawing-I	1LP02	2	-	3	5	50	20	100	40	150
3	Engineering Mathematics-I	1L03	3	2	-	5	100	40	-	-	100
4	Electrical Engineering	1LP04	3	-	2	5	100	40	50	20	150
5	Basic computer	1LP05	3	1	2	6	100	40	50	20	150

| 6 | Energy and Environment Engineering | 1L06 | 3 | 1 | - | 4 | 100 | 40 | - | - | 100 |
| | **Total** | | **18** | **4** | **8** | **30** | **550** | **-** | **250** | **-** | **800** |

Semester II

Sr. No	Course Title	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory		Practical		Grand Total
							Total (ESE and PA)		Total (ESE and PA)		
			L	T	P		Max	Min	Max	Min	
1	Engineering mathematics-II	2L07	3	2	-	5	100	40	-	-	100
2	Engineering chemistry	2L08	3	2	-	5	100	40	-	-	100
3	Engineering mechanics	2LP09	3	-	2	5	100	40	50	20	150
4	Electronic devices	2LP10	3	-	2	5	100	40	50	20	150
5	Workshop technology	2LP11	3	1	2	6	100	40	50	20	150
6	Communication skills	2L12	3	1	-	4	100	40	-	-	100
	Total		**18**	**6**	**6**	**30**	**600**	**-**	**150**	**-**	

Semester III

Sr. No	Course Title	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory		Practical		Grand Total
							Total (ESE and PA)		Total (ESE and PA)		
			L	T	P		Max	Min	Max	Min	
1	Engineering mathematics-III	3L13	3	2	-	5	100	40	-	-	100
2	Electronic measurement and instrumentation	3LP14	3	-	2	5	100	40	50	20	150
3	Management Economics	3L15	3	2	-	5	100	40	-	-	100
4	Python Programming	3LP16	3	-	2	5	100	40	50	20	150
5	Digital Logic and Circuits	3LP17	3	-	2	5	100	40	50	20	150
6	Linear Electrical Networks	3LP18	3	-	2	5	100	40	50	20	150
	Total		**18**	**4**	**8**	**30**	**600**	**-**	**200**	**-**	**800**

Semester IV

Sr. No	Course Title	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory		Practical		Grand Total
							Total (ESE and PA)		Total (ESE and PA)		
			L	T	P		Max	Min	Max	Min	
1	Power Electronics	4LP19	3	-	2	5	100	40	50	20	150
2	Electromagnetic and Field Theory	4L20	3	2	-	5	100	40	-	-	100
3	Microprocessor and Microcontroller	4LP21	3	-	2	5	100	40	50	20	150
4	Analog Communication	4LP22	3	-	2	5	100	40	50	20	150
5	Analog System Design	4LP23	3	-	2	5	100	40	50	20	150
6	Signals and System	4L24	3	2	-	5	100	40	-	-	100
	Total		**18**	**4**	**8**	**30**	**600**	**-**	**200**	**-**	**800**

Semester V

Sr. No	Course Title	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory		Practical		Grand Total
							Total (ESE and PA)		Total (ESE and PA)		
			L	T	P		Max	Min	Max	Min	
1	Digital Communication	5LP25	3	-	2	5	100	40	50	20	150
2	Control System Engineering	5L26	3	2	-	5	100	40	-	-	100
3	Digital signal processing	5LP27	3	-	2	5	100	40	50	20	150
4	Embedded system and IOT	5LP24	3	-	2	5	100	40	50	20	150
5	Printed Circuit Board	5LP29	3	1	2	6	100	40	50	20	150

							Technology-I				

6	Information Theory and coding	5L40	3	1	-	4	100	40	-	-	100
Total			**18**	**4**	**8**	**30**	**600**	**-**	**200**	**-**	**800**

Semester VI

Sr. No	Course Title	Sub. code	Teaching Scheme			Credit (L+T+P)	Theory		Practical		Grand Total
			L	T	P		Total (ESE and PA)		Total (ESE and PA)		
							Max	Min	Max	Min	
1	Antenna and wave Propagation	6L31	3	-	-	3	100	40	-	-	100
2	Printed Circuit Board Technology-II	6LP32	3	1	2	6	100	40	50	20	150
3	Computer Architecture and organization	6L33	3	1	-	4	100	40	-	-	100
4	Sensors & Transducers	6LP34	3	-	2	5	100	40	50	20	150
5	Software project management	6L35	3	1	-	4	100	40	-	-	100
6	Optical fiber communication	6LP36	3	-	2	5	100	40	50	20	150
7	Industrial Visit, Employability skill and Mini project lab	6P37	-	-	3	3	-	-	-	-	50
Total			**18**	**3**	**9**	**30**	**600**	**-**	**150**	**-**	**800**

Semester VII

Sr. No	Course Title		Sub. code	Teaching Scheme			Credit (L+T+P)	Examination Scheme				Grand Total
								Theory		Practical		
				L	T	P		Total		Total		
								Max	Min	Max	Min	
1	Digital system design using Verilog		7LP38	3	-	2	5	100	40	50	20	150
2	Computer network and data communication		7LP39	3	-	2	5	100	40	50	20	150
3	3.1	Satellite communication	7LP40.1	3	-	2	5	100	40	50	20	150
	3.2	Mechatronics	7LP40.2									
	3.3	Mobile and wireless communication	7LP40.3									
	3.4	Artificial intelligence and machine learning	7LP40.4									
4	Microwave Engineering		7L41	3	-	-	3	100	40	--	--	100
5	Project Part I		7P42	1	-	6	7	--	--	--	--	100
6	6.1	Electronic product design Using EDA tools	7LP43.1	3	-	2	5	100	40	50	20	150
	6.2	Solar installation and maintenance	7LP43.2									
			Total	**16**	**-**	**14**	**30**	**500**	**--**	**200**	**--**	

Semester VIII

Sr. No	Course Title		Sub. code	Teaching Scheme			Credit (L+T+P)	Theory		Practical		Grand Total
				L	T	P		Total (ESE and PA)		Total (ESE and PA)		
								Max	Min	Max	Min	
1	Industrial automation using PLC and SCADA		8LP44	3	-	2	5	100	40	50	20	150
2	2.1	Digital image Processing	8LP45.1	3	-	2	5	100	40	50	20	150

	2.2	Consumer Electronics	8LP45.2									
3	RADAR Communication		8L46	3	2	-	5	100	40	--	--	100
4	Project		8P47	1	2	12	15	--	--	--	--	200
	Total			**10**	**4**	**16**	**30**	**400**	**--**	**100**		**600**

4.6 Scheme of Instruction For Direct Second Year:

Every student has to register for all the subjects of a Semester as mentioned below.

Semester III

Code	Subject	Lecture	Tutorial	Practical	Credits	Marks
3B1	Power Electronics-I	3	1	2	4	100
3B2	Measurement &Instrumentation	3	1	2	4	100
3B3	Computer programming C,C++	3	1	2	4	100
3B4	Electronics Systems Engineering	3	1	2	4	100
3B5	Engineering Mathematics-III	3	1	0	3	75
3B61 /3B62	General Elective-I (Commerce/Management)	3	0	0	3	75
		18	**5**	**8**	**22**	**550**

Semester IV

Code	Subject	Lecture	Tutorial	Practical	Credits	Marks
4B1	Product Design	3	1	2	4	100
4B2	Power Electronics-II	3	1	2	4	100
4B3	Microprocessor	3	1	2	4	100
4B4	Integrated Circuits and Applications	3	0	2	4	100
4B5	Control System Engineering	3	1	0	3	75
4B6	Electronics Design Technology	3	1	0	3	75
		18	**5**	**8**	**22**	**550**

Semester V

Code	Subject	Lecture	Tutorial	Practical	Credits	Marks
5B1	Industrial Design of Electronic Equipment	3	1	2	4	100
5B2	Microcontroller &Peripherals	3	0	2	4	100
5B3	Digital System Design	3	0	2	4	100
5B4	Printed Circuit Board Technology-I	3	0	2	4	100
5B5	Signal and Systems	3	1	0	3	75
5B61/ 5B62	Elective-II (Obj C++ Programming / Imbedded C)	3	1	0	3	75
5B7	Industrial training/visit/internship	0	0	2	1	
		18	**3**	**10**	**23**	**550**

Semester VI

Code	Subject	Lecture	Tutorial	Practical	Credits	Marks
6B1	Transducers and sensors	3	0	2	4	100
6B2	Analog System Design	3	1	2	4	100
6B3	Printed Circuit Board Technology-II	3	1	2	4	100
6B4	Industrial & Environmental instrumentation	3	0	2	4	100
6B5	Software Engineering	3	0	0	3	75
6B6	Mini Project	0	0	6	3	75
		15	**2**	**14**	**22**	**550**

Semester VII

Code	Subject	Lecture	Tutorial	Practical	Credits	Marks
7B1	Digital Signal Processing	3	1	2	4	100
7B2	Embedded Systems	3	1	2	4	100
7B3	PLD and FPGA Design	3	0	2	4	100
7B4	Analog & Digital Communication	3	1	0	3	75
7B51/ 7B52	Elective III (Opto-Electronics / Digital image processing)	3	1	0	3	75
7B6	Project Part I	0	0	6	3	75
		15	4	12	21	525

Semester VIII

Code	Subject	Lecture	Tutorial	Practical	Credits	Marks
8B1	VLSI System	3	1	2	4	100
8B2	System Engineering	3	1	2	4	100
8B3	Network security	3	1	2	4	100
8B41/ 8B42	Elective IV (MEMS/ Linux OS)	3	1	0	3	75
8B5	Project Part II	0	0	10	5	125

4.7 Term Course Load:

In each semester, subject load varies from 22 to 30 credits per semester. During the course period, student has to pass certain number of subjects and complete the assigned project work of 10 (ten) credits in the sixth semester satisfactorily. On valid grounds, the authority may advise a student, who is unable to complete the course requirements in the normal period, to continue for an extra term.

4.8 Assessment:

a. A student is permitted to appear for the semester examination subject to he or she has a minimum attendance of 75% in theory and practical classes, completes all his/her sessional assignments and clears all his/her dues.
b. Non-appearance in any examination is treated as the student having secured zero mark in that subject examination.
c. The evaluation is based on an **average weightage system**. Every subject has credit points based on the hours of study required.

20

d. Every student is assessed in a subject with equal weightage to sessional work and semester examination, thereby making the students study regularly.

e. Every student is awarded Grade points out of maximum 10 points in each subject. (on 10 Points Scale).

f. Based on the Grade points obtained in each subject, Semester Grade Point Average (SGPA)and then Cumulative Grade Point Average (CGPA) are computed.

Note: For computation of SGPA CGPA, refer **ANNEXURE- II.**

4.9 Award of Degree:

A student must complete the minimum requirement of credits in **maximum period of eight (8) years** and must obtain a **minimum CGPA of 3.3** in the course to qualify for award of Degree. The Degree is awarded by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

4.10 Scholarship

The Institute encourages and provides assistance to all the students, particularly the reserved category, to apply for the Central / State Govt. scholarship for reimbursement of tuition fee and maintenance allowance as per State Govt. rules. The tuition fee is exempted for SC/ST candidates only, subject to his/her applying for the same and fulfilling the conditions.

4.11 Assistance in Placement / Pursuing Higher Studies:

The Placement Cell of the Institute offers all assistance to the students for employment / self-employment. Most of the students passing out from the Institute have good opportunities to build their career.

4.12 B.Tech Fee-Structure for 1st year admission for Academic year (2021-22)

Sr. No.	Particulars	1st Sem. Fees & Deposit (Rs.)	2nd Sem. Fees (Rs.)
1	Tuition Fee	38000	38000
2	Caution Money Deposit *	1250	-
	Sub Total	**39250**	38000
Boy's Hostel Accommodation			
3	Hostel rent per Sem. (5 months)	9100	9100
4	Hostel Deposit*	2500	-
	Sub Total	**11600**	**9100**
Other Fees			
	Particulars	**Fees** (Rs.)	
5	Exam Fee	100.00/- per subject/ Practical	
6	Backlog Exam Fee per subject	300.00/ per subject/practical	

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

*Mess Service are compulsory for Hostel Students. Outside food within the premises is not permissible. Mess charges are to be paid directly to mess manager on monthly basis.

Important:

i. SC/ST students are exempted from Tuition Fee (SP/TSP Scheme), only Caution Money deposit and hostel fee and deposit is to be paid.

ii. Back log Exam Fee is applicable to all students appearing Backlog Exams.

iii. Thereshallbeanincreaseupto10%in (Sr. No.1&3) in every academic year.

4.13 B.Tech Fee-Structure for Lateral Entry admission for Academic year (2021-22)

Sr. No	Particulars	3rd Sem. Fees & Deposit (Rs.)	4th Sem. Fees (Rs.)
1.	Tuition Fee	38000	38000
2.	Caution Money Deposit *	1250	-
	Sub Total	**39250**	38000
Boy's Hostel Accommodation			
3.	Hostel Fee per Sem. (5 months)	9100	9100
4.	Hostel Deposit*	2500	-
	Sub Total	**11600**	**9100**
Other Fees (Additional)			
	Particulars	**Fees** (Rs.)	
5.	Exam Fee	100.00/- per subject/ Practical	
6.	Backlog Exam Fee per subject	300.00/ per subject/practical	

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

*Mess Service are compulsory for Hostel Students. Outside food within the premises is not permissible. Mess charges are to be paid directly to mess manager on monthly basis.

Important:

i. SC/ST students are exempted from Tuition Fee (SP/TSP Scheme), only Caution Money deposit and hostel fee and deposit is to be paid.

ii. Back log Exam Fee is applicable to all students appearing Back log Exams.

iii. There shall be an increase up to 10% in (SR. No 1 & 3) in every academic year.

5.0   MASTER OF TECHNOLOGY (ELECTRONICS DESIGN AND TECHNOLOGY) [M. Tech (EDT)] Full Time Course

This is four semesters (2 years) AICTE approved Postgraduate course with the Degree awarded by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS).

5.1   Eligibility/ Selection Procedure

Admission to M. Tech. degree courses will be through Centralized Counselling or M.Tech (CCMT) 2021. For details, please visit https://ccmt.nic.in/

5.2   Intake (28 Seats)

Two seats are reserved for Industry Sponsored Candidates and **three seats** are reserved for Non-Resident Indian (NRI) / Persons of Indian Origin (PIO) / Children of Indian workers in the Gulf Countries (CIWG) quota. Distribution of remaining seats is as under:

Non-Sponsored category	
Open	9
Open- PWD	1
EWS	2
OBC	6
SC	3
ST	2
Total	23

Important
a. Seats are reserved as per Govt. of India Rules, AICTE and/ or University Approval.
b. A quota of 15 % is reserved for the SC candidates, 7.5% for ST candidates, and 27% for Other Backward Classes.
c. Candidates selected against the quota for persons with disabilities (5%) as per PWD Act 1995 are placed in the appropriate category viz. SC/ ST/ OBC/ Open candidates depending upon the category to which they belong in the roster meant for reservation of SCs/ STs/ OBCs.

5.3   Selection Process for Admission in 1st year M. Tech (EDT) Fulltime

A) National Applicants

For Admission, please visit https://ccmt.nic.in/

Vacant seats after all rounds of CCMT 2021 will be filled in on the basis of receipt (first come first serve basis) of application form (ANNEXURE VI). However if the number of application forms exceeds the number of vacant seats, written exam will be taken to shortlist the candidates.

B) International Applicants

  i. Admission of Foreign Nationals is subject to guidelines, laid down by Government of India from time to time.
 ii. Persons of Indian Origin (PIO) is an individual with foreign citizenship, except Pakistan and Bangladesh, without "NRI" status, holding a Foreign Passport at the time of applying for admission as well as during the study period and is himself/ herself or anyone/ both of his/ her parents or anyone/ both of his/ her grandparents is/ was/ were Indian citizens.
iii. Children of Indian workers in the Gulf Countries (CIWG) are children of an Indian who is working in Gulf Countries under relevant working visa.
 iv. Non-Resident Indian (NRI) Candidate is Child/ward of the person having 'NRI status' as defined under section 6 of the Income Tax Act.
  v. Foreign nationals may apply for admission to M. Tech (EDT) Full time course subject to fulfilling the minimum eligibility requirements through proper channel.

vi. Their application, will however, be considered separately on receipt of application, mentioned in ANNEXURE-IV(A) on first cum first serve basis.

vii. Foreign nationals are required to download and submit the application form for eligibility cum admission (ANNEXURE-IV(A)) and declaration & undertaking format (ANNEXURE-IV(B)) along with payment of Rs.5000/- or equivalent USD (non-refundable).

5.4 **Academic Calendar –** Refer **ANNEXURE –I**

5.5 Scheme of Instruction for First Year (2021-22):

Every student has to register for all the subjects of a Semester as mentioned below.

Semester I

SI. No.	Course Code	Course Title	Hours/ week			Total	Theory Marks		Practical
			L	T	P	Credits	ESE Marks	Internal Marks	Marks
1.	M101	Industrial Design of Electronic Equipment	1	0	0	1	30	20	0
2.	M102	Advanced Digital System Design	3	0	0	3	70	30	0
3.		Elective - 1	3	0	0	3	70	30	0
4.	M103	Electromagnetic Compatibility	3	0	0	3	70	30	0
5.	M104	Electronic Packaging	3	0	0	3	70	30	0
6.	M105	Design for Manufacturability	3	0	0	3	70	30	0
7.	ML101	Industrial Design of Electronic Equipment Laboratory	0	0	3	3	70	30	100
8.	ML102	Advanced Digital System Design Laboratory	0	0	2	2	40	10	50
9.		Elective - 1 Lab	0	0	2	2	40	10	50
Total			16	0	7	23	530	220	200

Elective - 1	
M106	Machine Learning
M107	Networking and IOT
Elective – 1 Lab	
M106	Machine Learning Laboratory
M107	Networking and IOT Laboratory

Semester II

SI. No.	Course Code	Course Title	Hours/ week			Total	Theory Marks		Practical
			L	T	P	Credits	ESE Marks	Internal Marks	Marks
1.	M201	Advanced Microcomputer System Design	3	0	0	3	70	30	0
2.		Elective – 2	3	0	0	3	70	30	0
3.	M202	Mechatronics	3	0	0	3	70	30	0
4.	M203	Robotics and Machine Vision	3	0	0	3	70	30	0
5.	M204	Embedded OS and RTOS	3	0	0	3	70	30	0
6.		Elective – 3	3	0	0	3	70	30	0

SI. No.	Course Code	Course Title	L	T	P	Credits	ESE Marks	Internal Marks	Practical Marks
7.	ML201	**Advanced Microcomputer System Design Laboratory**	0	0	2	2	40	10	50
8.	ML202	**Mechatronics Laboratory**	0	0	2	2	40	10	50
9.		**Elective – 2 Laboratory**	0	0	2	2	40	10	50
Total			18	0	6	24	540	210	150

Elective – 2	
M205	**ASIC and SOC**
M206	**Mixed Signal System Design**

Elective – 3	
M207	**Embedded Applications in Power Conversion**
M208	**Control System Design**

Elective – 2 Laboratory	
ML205	**ASIC and SOC**
ML206	**Mixed Signal System Design**

Semester III

SI. No.	Course Code	Course Title	Hours/ week			Total	Theory Marks		Practical
			L	T	P	Credits	ESE Marks	Internal Marks	Marks
1.	M301	**Optical Fiber Communication System**	3	0	0	3	70	30	0
2.	M302	**Software Engineering**	3	0	0	3	70	30	0
3.	M303	**Project Work and Seminar I**	0	0	15	4	25	25	50
4.	ML301	**Optical Fiber Communication System Laboratory**	0	0	2	2	40	10	50
		Total	6	0	17	12	205	95	100

Semester IV

SI. No.	Course Code	Course Title	Hours/ week			Total	Theory Marks		Practical
			L	T	P	Credits	ESE Marks	Internal Marks	Marks
1.	M401	**Project Work and Seminar II**	0	0	40	20	50	50	100
		Total	0	0	40	20	50	50	100

5.6   Term Course Load:

i. In each semester, subject load varies from 12 to 24 credits per semester.

ii. On valid grounds, the authority may advise a student, who is unable to complete the course requirements in the normal period, to continue for an extra term as per M.Tech ordinances and Regulations.

5.7 Assessment:

i. The overall performance of a student is evaluated by assigning equal weightage to all the four semesters in order to maintain the quality of education.

ii. A student is permitted to appear for the semester examination subject to he or she has a minimum attendance of 75% in theory and practical classes, completes all his/her sessional assignments and clears all his/her dues.

iii. Non-appearance in any examination is treated as the student having secured zero mark in that subject examination.

iv. The evaluation is based on an average weightage system. Every subject has credit points based on the hours of study required.

v. Every student is assessed in a subject with equal weightage to sessional work and semester examination, thereby making the students study regularly.

vi. Every student is awarded Grade points out of maximum 10 points in each subject. (Based on 10 Points Scale).

vii. Based on the Grade points obtained in each subject, Semester Grade Point Average (SGPA) and then Cumulative Grade Point Average (CGPA) are computed as per **ANNEXURE-II.**

5.8 Award of PG Degree:

A student must complete the minimum requirement of credits in **maximum period of four (04) years** as per M.Tech Ordinances and Regulations in order to qualify for award of Degree. The PG Degree is awarded by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS).

5.9 Scholarship

i. Non-sponsored students, admitted to the M Tech (EDT) course, provided they have a valid GATE SCORE, are eligible for the scholarship of **Rs. 12400/- * per month**, subject to sanction and receipt of the said amount from AICTE New Delhi. Disbursement of PG-Scholarships is through direct cash transfer scheme through AICTE portal subject to his/her applying for the same and fulfilling the conditions. The award of scholarship and its continuation is subject to regular attendance, satisfactory progress, good conduct and abiding by the rules of the Institute.

ii. Sponsored students, or students not having a valid GATE SCORE are not entitled for the said scholarship.

iii. The tuition fee is exempted for SC/ST candidates only, subject to his/her applying for the same and fulfilling the conditions.

iv. It is obligatory for every student, granted admission to M. Tech (EDT) and awarded scholarship, to undertake work related to teaching and research activities as assigned to him /her.

* Subject to the policies of GOI

5.10 Assistance in Placement / Pursuing Higher Studies:

The Placement Cell of the Centre offers all assistance to the students for employment / self-employment. Most of the students passing out from the Centre have good opportunities to build their career.

5.11 M.Tech. Fee-Structure, Academic year (2021-22) Admission

Sr. No.	Particulars	1st Semester Fees &Deposit(₹)	2nd Sem Fees (₹)
1.	Tuition Fee	46000/-	46000/-
2.	Caution Money Deposit *	1250	-
	Sub Total	47250/-	46000/-
Boy's Hostel Accommodation			
3.	Hostel Fee per Semester (5 months)	9100	9100
4.	Hostel Deposit*	2500	-
5.	Sub Total	11600	9100
Other Fees			
	Particulars	Fees (₹)	
6.	Backlog Exam Fee per subject	300.00/ per subject	
7.	Project fee payable only in III &IV semester separately	5000	

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

*Mess Service are compulsory for Hostel Students. Outside food within the premises is not permissible. Mess charges are to be paid directly to mess manager on monthly basis.

Important:

i. SC/ST students are exempted from Tuition Fee (SCST/TSP Scheme), only Caution Money deposit and hostel fee and deposit is to be paid.
ii. Back log Exam Fee is applicable to all students appearing Backlog Exams.
iii. There shall be an increase up to 10% in (Sl. No. 1 & 3) in every academic year.

6.0 MASTER OF TECHNOLOGY (ELECTRONICS DESIGN AND TECHNOLOGY) [M. Tech (EDT)] PART TIMECOURSE

This is six semesters (3 years) AICTE approved course for working professionals with the Degree awarded by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS).

6.1 Eligibility

i. B.E./ B.Tech Degree or equivalent in Electronics/ Electrical/ Telecommunication/ Instrumentation engineering etc. from a recognized University with at least 55% of marks.
ii. The candidate should have been serving in Academic Institution/ Industry/ R&D organization engaged in electronic product or system development for at least two years after completion of B.E./ B. Tech degree
iii. The candidate should be sponsored by the employer.
iv. His/ Her working place should be within 60 km distance from the institute.
v. He should produce necessary sponsorship certificate along with application in the prescribed form given in ANNEXURE XII.

6.2 Intake: 24 Seats

6.3 Selection Process

i. Only the Candidates meeting the eligibility criteria will be eligible for admission.
ii. The eligible candidates have to fill the Application Form (ANNEXURE VI) and has to submit the same on **email id: mtech-abad@nielit.gov.in**
iii. The selection for admission to M.Tech (EDT) part Time Course, will be based on **score in the written test**. List of Shortlisted Candidates will be displayed on the institute website.
iv. Admission of the Selected Candidates will be subject to their verification of Documents and payment of applicable fees.
v. The date and time for the waiting list counselling shall also be declared along with the list of selected candidates. All the waitlisted candidates should make themselves available at the time of the waiting list counselling, otherwise their claim shall be forfeited.
vi. The waitlisted candidates, available at the time of counselling of the waiting list, shall be provisionally admitted as per the merit of the category-wise waiting list.
vii. The selected merit and waiting list candidates are required to register on the day as notified along with the document and by making payment as mentioned in **Section 6.10** for admission.
viii. The decision of Executive Director, NIELIT, Aurangabad in respect of selection and closing of admission will be final.

6.4 Admission in the event of cancellation of secured admission

If any vacancy arises due to leaving the course by a registered student after completion of admission process, the vacancy may be filled on case to case basis at the discretion of the Executive Director, by following below mentioned procedure:

i. Preference shall be given as per the ranking in common merit list.
ii. The Selected Students as per ranking in Merit List, who could not reach the Centre for admission on the pre-intimated day because of legal and/or genuine reason(s) and approaching/contacting the institute are first considered for filling the said vacancy.
iii. After (i) & (ii), the candidates, who have not been offered the admission and approaching, may be considered.

6.5 Academic Calendar – Refer ANNEXURE –I

6.6 Scheme of Instruction:

Every student has to register for all the subjects of a Semester as mentioned below.

Semester I

SI. No.	Course Code	Course Title	Hours/ week			Total Credits	Theory Marks		Practical Marks
			L	T	P		ESE Marks	Internal Marks	
1.	MP101	Electronic Packaging	3	0	0	3	70	30	0
2.	MP102	Electromagnetic Compatibility	3	0	0	3	70	30	0
3.		Elective - 1	3	0	0	3	70	30	0
4.		Elective – 1 Lab	0	0	2	1	40	10	50
		Total	9	0	2	10	250	100	50

Elective – 1	
MP103	Machine Learning
MP104	Networking and IOT
Elective – 1 Lab	
MPL101	Machine Learning Laboratory
MPL102	Networking and IoT Laboratory

Semester II

SI. No.	Course Code	Course Title	Hours/ week			Total Credits	Theory Marks		Practical Marks
			L	T	P		ESE Marks	Internal Marks	
1.	MP201	Advanced Microcomputer System Design	3	0	0	3	70	30	0
2.		Elective - 2	3	0	0	3	70	30	0
3.	MP204	Embedded OS and RTOS	3	0	0	3	70	30	0
4.	MPL201	Advanced Microcomputer System Design Laboratory	0	0	2	1	40	10	50
5.		Elective – 2 Laboratory	0	0	2	1	40	10	50
		Total	9	0	4	11	290	110	100

Elective – 2	
MP202	ASIC and SOC
MP203	Mixed Signal System Design
Elective – 2 Laboratory	
MPL202	ASIC and SOC
MPL203	Mixed Signal System Design

Semester III

SI. No.	Course Code	Course Title	Hours/ week			Total Credits	Theory Marks		Practical Marks
			L	T	P		ESE Marks	Internal Marks	
1.	MP301	Industrial Design of Electronic Equipment	1	0	0	1	30	20	0
2.	MP302	Advanced Digital System Design	3	0	0	3	70	30	0

3.	MP303	Design for Manufacturability	3	0	0	3	70	30	0
4.	MPL301	Industrial Design of Electronic Equipment Laboratory	0	0	6	3	70	30	100
5.	MPL302	Advanced Digital System Design Laboratory	0	0	2	1	40	10	50
		Total	7	0	8	11	280	120	150

Semester IV

SI. No.	Course Code	Course Title	Hours/ week			Total Credits	Theory Marks		Practical Marks
			L	T	P		ESE Marks	Internal Marks	
1.	MP401	Mechatronics	3	0	0	3	70	30	0
2.	MP402	Robotics and Machine Vision	3	0	0	3	70	30	0
3.		Elective - 3	3	0	0	3	70	30	0
4.	MPL401	Mechatronics Laboratory	0	0	2	1	40	10	50
		Total	9	0	2	10	250	100	50

Elective – 3	
MP403	Embedded Applications in Power Conversion
MP404	Control System Design

Semester V

SI. No.	Course Code	Course Title	Hours/ week			Total Credits	Theory Marks		Practical Marks
			L	T	P		ESE Marks	Internal Marks	
1.	MP501	Optical Fiber Communication System	3	0	0	3	70	30	0
2.	MP502	Software Engineering	3	0	0	3	70	30	0
3.	MP503	Project Work and Seminar I	0	0	20	10	25	25	50
4.	MPL501	Optical Fiber Communication System Laboratory	0	0	2	1	40	10	50
		Total	6	0	22	17	205	95	100

Semester VI

SI. No.	Course Code	Course Title	Hours/ week			Total Credits	Theory Marks		Practical Marks
			L	T	P		ESE Marks	Internal Marks	
1.	MPL601	Project Work and Seminar II	0	0	40	20	50	50	100
		Total	0	0	40	20	50	50	100

Note: L: Lecture, T: Tutorial P: Practical, C: Credits

6.7 Term Course Load:
 i. In each semester, subject load varies from **10 to 20 credits** per semester.
 ii. On valid grounds, the authority may advise a student, who is unable to complete the course requirements in the normal period, to continue for an extra term as per M.Tech ordinances and Regulations.

6.8 Assessment:
  i. The overall performance of a student is evaluated by assigning equal weightage to all the four semesters in order to maintain the quality of education.
 ii. A student is permitted to appear for the semester examination subject to he or she has a minimum attendance of 70% in theory and practical classes, completes all his/her sessional assignments and clears all his/her dues.
iii. Non-appearance in any examination is treated as the student having secured zero mark in that subject examination.
 iv. The evaluation is based on an average weightage system. Every subject has credit points based on the hours of study required.
  v. Every student is assessed in a subject with equal weightage to sessional work and semester examination, thereby making the students study regularly.
 vi. Every student is awarded Grade points out of maximum 10 points in each subject. (Based on 10 Points Scale).
vii. Based on the Grade points obtained in each subject, Semester Grade Point Average (SGPA) and then Cumulative Grade Point Average (CGPA) are computed as per **ANNEXURE-II.**

6.9 Award of PG Degree:
 A student must complete the minimum requirement of credits in **maximum period of seven (07) years** as per M.Tech Ordinances and Regulations in order to qualify for award of Degree. The PG Degree is awarded by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS).

6.10 M. Tech. Fee-Structure, Academic year (2021-22) Admission

SR. No.	Particulars	1st Semester Fees & Deposit (₹)	2nd Sem Fees (₹)
1.	Tuition Fee	46000/-	46000/-
2.	Caution Deposit *	1250	-
	Sub Total	47250/-	47000/-
Boy's Hostel Accommodation			
3.	Hostel Fee per Semester (5 months)	9100	9100
4.	Hostel Deposit*	2500	-
5.	Sub Total	11600	9100
Other Fees			
	Particulars		Fees (₹)
7.	Backlog Exam Fee per subject		300.00/ per subject/ practical
8.	Project fee payable only in V&VI semester separately		5000

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

*Mess Service are compulsory for Hostel Students. Outside food within the premises is not permissible. Mess charges are to be paid directly to mess manager on monthly basis.

Important:

i. SC/ST students are exempted from Tuition Fee (SP/TSP Scheme), only Caution Money deposit and hostel fee and deposit is to be paid.
ii. Back log Exam Fee is applicable to all students appearing Backlog Exams.
iii. There shall be an increase up to 10% in (Sl. No. 1 & 3) in every academic year.

7.0 Partial List of Teaching Staff

Sr No	Name of Faculty	Designation	Educational Qualification	Brief Profile
1.	Dr. Sanjeev Kumar Gupta	Executive Director	Ph.D. (Computer Engg.), MS (Software Systems) and B.Tech (Computer Engg.)	Alumnus of BITS Pilani and NIT Kurukshetra, he is a renowned engineer, technocrat and administrator. In his professional career he is also instrumental in automation of various organizations such as Punjab State Power Corporation Limited, HSEB, CHB, ICSI, Labor Bureau. His research work is spanned across various aspects of Wireless Sensor Network. His other areas of Interest include Web Application Development, Mobile Application Development, Software Engineering, IoT, Blockchain, Big Data & Cyber Security
2.	Sh. Sasi Kumar Gera	Dean (Academics)& Scientist E	M.Tech (Manuf. Engg) and B.Tech(Mech.)	Alumnus of IIT Madras, in his professional career spanned over 24 years he is instrumental in initiating many out-of-box research works in areas of CAD/CAM, CNC Machines, Industrial Robots Machine vision, Industrial Design. He has implemented real-time robot path control by using image processing for seam-less welding applications at the University of Liverpool, England as research associate (UNDP/UNIDO fellowship). He has guided several projects at Masters level. His research interests are Industry 4.0, Autonomous Robots, CAD/CAM, Lean Manufacturing.
3.	D. Rama Rao	Scientist/Engineer-D	B.Tech (Electronics & Communications). M.Tech (Electronic Design Technology)	Overall 33 years of Experience which including 25 years of Teaching Experience to Diploma, Under Graduate, Post Graduate & Post Graduate Diploma Courses. * Subjects taught in the fields of Analog & Digital Electronics, Electronics, Measurements & Instrumentation, Service & Maintenance, Microprocessors & Microcontrollers and Linux Device Drivers. * Guided Academic Projects of the students of Diploma, Under Graduate, Post Graduate & Post Graduate Diploma Courses * Worked on Industry Sponsored & In-house R&D Projects.
4.	Sh. Lakshman	Dean (Skill Development), and Scientist D	M.Tech B.E.	In his professional career spanning over 12 years, he has executed many Government Projects of IT Mission (Kerala), Ministry of Social Justices, and ISEA project etc. His areas of areas of interest are Thermal Image Processing, Blockchain, Cyber Security, Mobile Application Development and Software Engineering. He is also working as a Placement Officer and Nodal Officer of Model Career Centre.
5.	Sh. Y. A. Khan	Sr. Principal Programmer	M.C.A.	Experienced Software Professional. Developed the projects for Office

Sr No	Name of Faculty	Designation	Educational Qualification	Brief Profile
				Automation. Well versed with Database techniques and Software Engineering Practices.
6.	Sh. D.S. Raje	Scientist C	B.E.(Electronics)	He has over 27 years of experience as Electronics Engineer and excels in the field of Test and Measurement.
7.	Sh. Saurabh Kesari	Scientist C	B.Tech (Electronics and Tele-Communication Engineering)	More than 6 years of industrial experience in Embedded and IOT Hardware design and development
8.	Sh. Saurabh Bansod	Scientist B	M.Tech(Electronics & Instrumentation) B.E.(Electronics)	Alumnus of N.I.T. Rourkela, In the span of 18 months he has done tremendous work in the area of Industrial Automation. His area of interest includes data acquisition using NI DAQ cards.
9.	Sh. Prashant Pal	Scientist B	M.Tech, B.Tech	With expertise in Electronics System design, he has experience of teaching advanced microcontroller and microprocessor. He has sound knowledge of Deep learning and Machine learning. He is also doing projects on Artificial Intelligence, Visual Information and Embedded Systems from IIT Kharagpur.
10.	Sh. Yogesh	Scientist 'B'	B.Tech (CSE)	A young scientist who possesses expertise in the area of Internet of Things, Scripting languages like Python. His other areas of interest are Cyber Security, Web Application Development.
11.	Sh. Ashwini Vishwakarma	Scientist 'B'	B.E. (Electronics and Communication Engineering)	A young scientist who possesses expertise in the area of Internet of Things, Scripting languages like Python. More than 2 years of teaching experience.
12.	Sh. Shashank Kumar Singh	Scientist 'B'	B.Tech. (Electronics and Communication Engineering)	A young scientist who possesses expertise in the area of VLSI. More than 1 years of teaching experience.
13.	Sh. B. B. Sorte	Sr. Tech. Officer	DME, (DCS&M)	More than 20 Years' experience as Trainer / faculty of CAD/CAM/CAE including 08 Years of experience as Faculty for Mechanical Design and Developments and Workshop Technology. He is looking after Design & Development of Electro-Mechanical products under Academic activities of DEPM & B.Tech & M.Tech courses
14.	Sh. M. S. Kshirsagar	Sr. Tech. Officer	Diploma (Ind. Electronics)	He is highly motivated and experienced faculty who specializes in Electronics.
15.	Sh. Milind Garud	Sr. Tech. Officer	Diploma (Ind. Electronics)	About 29 Years' experience in Power Electronics and conducting of lab/practical's. He is also looking after the examination related activities and academic for about 15 years. Also working as NSS Officer for past 4 Years.
16.	Sh. Kishor Chaudhari	Sr. Tech. Officer	BCA, CCNA, CCNP	Specialization in VPN technologies, Routing & Switching, VOIP, Switched Network Design. Area of Interest is MPLS, SNMP,

Sr No	Name of Faculty	Designation	Educational Qualification	Brief Profile
				Network security, IPS, IDS, and Data Center.
17.	Sh. Th. Sunil Kumar Singh	Principal Technical Officer	BE(ECE)	He is interested learning new trends in Technologies in his area. He has more than 20 years of undergraduate teaching microprocessor and Microcontrollers.
18.	Sh. Suryacharan	Senior Technical Assistant	B.Tech (Electronics and communication.)	With expertise in Electronics System design, he has experience of teaching various subjects of electronics. He has also worked as program analyst in cognizant for 2 years on ETL testing, SQL, Informatics and MSTR. His area of interest includes Microelectronics, AI and data acquisition using NI DAQ cards.
19.	Sh. Pawan Kumar Patel	Senior Technical Assistant	B.Tech (Electronics and communication.)	Expertise in VLSI design (Ngspice, VHDL, Verilog, System Verilog, Blue spec), Scripting languages like Python. More than 1 years of teaching experience.

8.0 Placement Assistance and Support: Students of the Centre are trained to become R&D engineers. In Course curriculum there is emphasize on Innovation, Design and Development of Electronic Product. The Centre has also signed MoU with Chamber of Marathwada Industries and Agriculture (CMIA) to platform to Startup Aspirants students. In association with Directorate of Employment, Ministry of Labour & Employment (MoLE), a Model Career Centre is also functioning to provide a variety of employment related services. Apart from this an independent Placement Cell is providing Placement support and assistance to all the students. Almost all the students of the Institute gets career opportunities of their choice.

1.   **MoU with CMIA**

CMIA is a group organization representing around 650 small scale / medium scale / large scale industries including the Multinational Companies (MNC's) of the Maharashtra. An MoU was signed with CMIA in November, 2017 for referral of Students Projects which have potential of developing into scalable business models and also adoption of their business startup ideas. The support for internship and employment to our students in member companies of CMIA was another goal of the MoU.

2.   **Model Career Centre**

In association with Directorate of Employment, Ministry of Labour and Employment (MoLE), NIELIT is providing a variety of employment related services to students of the region. The students of the institute are by default members of National Career Services (NCS) of Government of India. The Model career Centre apart from organizing multiple Job Fairs every year is also conducting counseling sessions to improve Soft Skills and presentation skills of the students. Leading Experts and Industrialists are invited for the counseling sessions to share their views.

3. **Industrial Tie-up**

Multiple visits of the students are arranged in leading Industries of the region so that they can get well versed with current Industrial trends. The students also get a chance to take up real Industrial issues as their project work. The bright students are also provided with mentoring support for establishment of their own start-up by Industrialists.

4. **Some of Companies who have come from Campus Placement**

9.0 Some of the Alumni of the Centre

NIELIT Aurangabad believes in developing and maintaining a strong alumni association for its growth and progress

1. **Dr. Suresh D. Shirbahadurkar** Professor Zeal College of Engineering, Narhe, Pune	*"Progress Seminars Conducted by NIELIT Aurangabad research centre and attended by fellow researches, M.Tech Students & eminent guides provided me a forum to present and discuss my research. All the IEEE publications were available for reference. The state of art lab facilities were available for simulation &experimentation."*
2. **Dr. Radhakrishna Naik** Vice Principal G S Mandals Maharashtra Institute of Technology Aurangabad	*"The industrial Design & Product Design subjects helped me to compliment my class room learning with in-depth project work. Guest lectures arranged at NIELIT exposed us to latest trends in industry &real life problems. Industrial visits helped us to understand & relate our subject to industrial environment"*
3. **Dr Varsha Ratnaparkhe** Assistant Professor & Dean (Quality Assurance), Department of Electronics & Telecommunication Engineering, Government College of Engineering, Aurangabad	*"Skills that I acquired and honed while in NIELIT Aurangabad, are benefiting me continuously in my professional career. NIELIT has helped me shape my character and strengthened attitude required to deliver strong results in academia."*
4. **Mr. Sumit Wankhad** VLSI Engineer, Cerium Systems, Bangalore	*"I found, NIELIT Aurangabad atmosphere conducive for learning. NIELIT Aurangabad helped in building strong fundamentals with deeper understanding in Electronics Product Design. A number of facilities including labs were accessible to students. Faculty were readily available to solve any study related difficulties and staffs were very kind in resolving any related issues."*

5.	**Dr. Alka Mahajan**	
	Director Nirma University, Indore	*"NIELIT Aurangabad taught me to think critically and confidently in experimental and theoretical situations. I developed professionally and made a wealth of friends and resources".*
6.	**Mr. Jaykumar H Prabhakar**	
	Vice President (Global lead incident management) at Accenture, Thane. Also a Member of ISKCON working with NGO for Swachh Bharat	*"What makes this course unique are the subjects in product design and PCB design which helped me understand the whole process of product development Making of the product was a very creative experience with starting from design, to manufacturing of PCB in the PCB Lab & then making the enclosure in the workshop, not to forget the innumerable sketches we made of the various versions & forms of the product."*
7.	**Arvind B Nyayadhish**	
	Director Enman Automation Pvt.Ltd, Aurangabad	*"To shine in today's competitive world it is very essential to have the nurturing that helps you go the extra mile. NIELIT Aurangabad equipped me for the world outside with the best skill set. Those amazing years gave me much more than bookish knowledge; I met probably the best people in my life and some inspiring personalities Proud to be an alumnus of NIELIT Aurangabad."*
8.	**Mr. Mahendra Padalkar**	
	Principal Technical Architect (Cloud)at Tech Mahindra Ltd, Pune	*"In NIELIT Aurangabad, I acquired and honed not only technical skills but also management and people skills that are assisting me immensely in my career. I'm thankful to NIELIT Aurangabad for providing such a strong foundation towards my career."*
9.	**Mr. Pradeep Kizhiseeri**	
	Senior Consultant Presently into Hatstand, Singapore	*"NIELIT Aurangabad is where the students are molded to Perfect Industry Professionals & Entrepreneurs. The reputation and brand equity associated with the institute makes one feel proud. Thanks to college management and faculty for engineering my career in right direction."*

10.	**Mr. Sandeep K Patni**	
	Co-Founder and VP of Systems and Engineering at CumuLogic Inc, New Jersey, USA	*"NIELIT Aurangabad taught me that education can be the most challenging, extremely rewarding, exciting, and fun. I learned that passion for learning really is the driver of finding new knowledge, and that passion is honestly contagious."*
11.	**Mr. Rupesh Kollale**	
	President & Director Endress+Hauser Infor Serve (India) Pvt. Ltd. Aurangabad	*"NIELIT (CEDTI), provides the perfect platform for students to excel 'Beyond the theory' to work and experiment with latest technological things, this is a world class environment right here in Aurangabad where there is freedom to hone your practical skills which are very important along with the theory. We had very supportive and passionate teachers who made us what we are today. I am immensely thankful to NIELIT for shaping my life."*
13.	**Mr. Hrushikesh Gangur**	
	Sr. Solutions Architect, Amazon Web Services, San Francisco, California	*"It is close to 25 years, and I still have memories of those golden days that made me a complete man. The education, labs and end-to-end understanding of product lifecycle learnt for CEDTI (now known as NIELIT) still help me in day-to-day work and life. I am blessed that I had my education done from this institute. I wish other engineering colleges have a same bar raising faculties, facilities, and methodology as NIELIT has to build quality engineers for India."*

10.0 Refund of fees in the event of cancellation of admission:

1. If a candidate after accepting the offer wishes to withdraw from the admission process, Deposited fee will be refunded after deducting Rs.1500/- towards application processing fee. Provided the withdrawal is made on or before 1st October 2021. Candidate must send an email to depm-abad@nielit.gov.in / btech-abad@nielit.gov.in with subject **Refund, for claiming refunds towards withdrawal from course** giving Application Number, Name, etc. Refund of fees for M.Tech (First Semester) will be in accordance to CCMT-2021. For more details see M.Tech Ordinances and Regulations, B.Tech Ordinances and Regulations and DEPM Ordinances and Regulations

2. Seat booking fee includes tuition fee and hostel fee.

3. In case of any discrepancy, the decision of Executive Director, NIELIT, Aurangabad in respect of refund of fees in the event of cancellation of admission will be final

ANNEXURE I

Tentative Academic Calendar for M.Tech (EDT), B.Tech (ESE) and DEPM Programs

Academic Year 2021-2022 (Semester I)

Sr. No.	Semester-I	
1	Start of Online application	14th August 2021
2	Last date of Online application	10th Sept. 2021
3	Instruction Begins	1st Oct. 2021
4	Class Test-1	15th Nov 2021*
5	Class Test-2	15th Dec 2021*
6	Instruction Ends	31st Dec 2021*
7	Semester (Practical) Examination	1st Jan 2022*
8	Semester (Theory) Examination	10th Jan 2022*
9	Project Assessment	10th Jan 2022*
	Project Feasibility Seminar	
10	Semester Break (DEPM and B.Tech)	20th Jan 2022 to 31st Jan 2022*
11	Declaration of Results	31st Jan 2022*

* Tentative Dates.

Assessment Computation of SGPA & CGPA

1. **Semester Grade Point Average (SGPA)** is the weighted average of Grade Points obtained by a student in a semester. Details are given in M.Tech, B.Tech and Diploma Ordinances and Regulations

2. **The Cumulative Grade Point Average (CGPA)** is used to describe the overall performance of a student in a Post Graduate/ Graduate/ diploma programme. Details are given in M.Tech, B.Tech and Diploma Ordinances and Regulations.

   Note: The Semester and Cumulative GPA are rounded off to the second place of decimal

ANNEXURE III

NIELIT Aurangabad, Maharashtra (India)

Application form

Lateral Entry Admission (Direct 2nd Year) of 3 Year's DEPM (Diploma in Electronics Production and Maintenance)

To,

    The Dean Academics, NIELIT Aurangabad,
    Dr. BAM University Campus,
    Aurangabad, 4310004 (MS)

~~Passport Size~~
Recent Photograph
Attested (Size: 4.5x5.5 cm)

Sir/Madam,

    I have passed XII standard/ Higher Secondary Certificate (HSC) Examination passed from a recognized Board with Physics, Chemistry, Maths OR ITI (Electrical / Electronics) from recognized Institute. I am hereby applying for Direct admission to 3rd Semester Diploma in Electronics Production and Maintenance (DEPM) Course during the Academic year 2020-2021 and request you to kindly allow me to appear in the selection test for the said course at NIELIT Aurangabad. I submit my particulars as under:

Name of Candidate:	
Mother's Name	
Father's Name:	
Date of Birth:	
Category [General/SC/ST/OBC /PWD(General)/PWD(OBC)]	
Name of the Institute/Beneficiary	National Institute of Electronics and Information Technology (NIELIT)
Name of the Bank	State Bank of India
Branch	Samarth Nagar Aurangabad Maharashtra
Saving Bank Account Number	32078399585
IFSC/RTGS NO	SBIN 0007919
Mode of Electronic Transfer	NEFT, SBICollect, Website: www.onlinesbi.com
Application Fee	The application fee is Rs.500/-. However, the candidates belonging to SC/ST/PWD are exempted from application fees.
Address for Correspondence:	
	Pin:
E-mail ID:	Landline No.: **Mobile No.:**

Total % marks in ITI or 12th standards subjects

ITI Year	% Marks	12th standards subject	% Marks
1st Year		**Physics**	
2nd Year		**Chemistry**	
		Maths	
		Vocational Training	
Average of above two years		Average of any above three subjects	

Candidate Signature with date

Important Instructions

1. Form should be signed by the student.
2. Incomplete form will not be accepted.
3. Mail scanned copy of filled form & fee receipt to depm-abad@nielit.gov.in
4. Please attach the scan copy of fee deposit counter along with application form

ANNEXURE- IV(A)
Application Form for Eligibility cum Admission to
DIPLOMA / B.Tech/M.Tech Full Time for Foreign Nationals

To,

The Dean Academics,
NIELIT Centre Aurangabad,
University Campus,
Aurangabad 4310004 (MS)
India

Telephone: 91(0240) 2982021,2982022, 2982050(Fax)

Website: www.nielit.gov.in/aurangabad

Sir/Madam,

I hereby apply for grant of eligibility and admission as an International Student to Diploma in Electronics Production and Maintenance (DEPM) /B.Tech (EDT) / M.Tech course during the Academic year and request you to kindly grant me a certificate of eligibility and admission to the said course in NIELIT Centre, Aurangabad, Maharashtra (India). I submit my particular asunder:

Course Applied:

CANDIDATE'S DETAILS

Passport Size Recent
PhotographAttested
(Size:4.5x5.5cm)

Last Name: First Name: Middle Name: Mother Name: Date of Birth: DD/MM/ YYYY **Nationality:**

ADDRESS FOR CORRESPONDENCE						
					Pin:	
E-mail ID: Tel No. (with ISD/STD)						

ACADEMIC QUALIFICATIONS (in ascending order)						
Sr. No.	Examination Passed	Name of School / College	Name of Examining body (Board / University)	Year of Passing	% Marks obtained	Class / Division

QUALIFYING EXAMINATION DETAILS

	10th Std. Marks / Grade (For DEPM only)			GATE or Equivalent Score Details (if applicable) (For M.Tech (EDT) / Ph.D)		
Subject	Science	Mathematics	Total Marks	Year	Discipline	Percentile
Marks / Grade Obtained						
Maximum Marks						

WORKING EXPERIENCE

Name of Industry / Institution	
Type of Work / Experience	
Experience in years	

Passed X std. or higher level Examination with English as one of the passing subjects

Yes	No

Name and address of the School / College / Institution last attended

Details for online fee payment for DIPLOMA/ B.Tech/ M.Tech Full Time for Foreign Nationals Students are as given below.	
Bank Account No	20060526862
Account Type	Current a/c
Account Name	National Institute of Electronics and Information Technology (NIELIT), Aurangabad
Bank Name& Address	Bank of Maharashtra, Dr. B.A.M. University branch Aurangabad (MS)
IFSC Code	MAHB0000152
Mode of Electronic Transfer	NEFT, RTGS

	Check List (Please attach Attested photocopies of all the Certificates for Sr. No. 2 to 6 below)		
01.	Two Passport Size Photograph pasted & attested	YES	NO
02	Date of Birth proof, copy attached (X Mark-sheet / Certificate)	YES	NO
03	Caste (OBC/SC/ST) Certificate, copy attach	YES	NO
04	Disability Certificate for PWD, copy attached	YES	NO
05	12th/Graduation Passing Certificate, copy attached	YES	NO
06	Studentship Letter, Original attached	YES	NO
07	Qualifying Degree Certificate, copy attached	YES	NO
08	GATE Score Card, copy attached (M.Tech Full Time)	YES	NO
09	Sponsorship letter Original / Experience letter attached	YES	NO
10	Payment receipt in the form of RTGS/NEFT Enclosed	YES	NO

Note: The application form is liable to be rejected if found incomplete or if the necessary & appropriate documents & Payment are not enclosed along with.

CANDIDATE SIGNATURE:

FOR OFFICE USE ONLY:

Registration No						Application Form No					

Checked By:

Academic Section I/C M.Tech Coordinator Dean Academics B.Tech Coordinator Diploma Coordinator

Date: DD /MM /YYYY

ANNEXURE-IV (B)
(To be typed on Rs.100/- Stamp Paper) Declaration and Undertaking

1. I hereby declare that I have carefully read this application form for eligibility and admission and have noted the instructions / requirements thereby.
2. I have also carefully noted the rules of eligibility & conduct and discipline, laid down by the NIELIT Centre, Aurangabad and I agree to abide by them.
3. I understand and declare that I shall be responsible for any discrepancies, error, wrong or incorrect information, supplied by me in this application form and for cancellation of admission thereby or otherwise found ineligible.
4. I undertake to furnish the necessary certificate(s)/ document(s)/ paper(s) in original along with a true copy of each of them as and when asked for, failing which I understand that my eligibility and admission stands automatically cancelled and that the NIELIT Centre, Aurangabad is not responsible for the same.

I hereby declare that the information furnished by me in this form is true and correct to the best of my knowledge. I am liable to be disqualified if the competent authority notices that I have furnished any false information.

Yours Faithfully,

(Name & Signature of Foreign National)

Date:
Place:

ANNEXURE-IV (C)
(To be typed on Rs.100/- Stamp Paper) Declaration and Undertaking

1. I hereby declare that I have carefully read this application form for eligibility and admission and have noted the instructions / requirements thereby.
2. I have also carefully noted the rules of eligibility & conduct and discipline, laid down by the NIELIT Centre, Aurangabad and I agree to abide by them.
3. I understand and declare that I shall be responsible for any discrepancies, error, wrong or incorrect information, supplied by me in this application form and for cancellation of admission thereby or otherwise found ineligible.
4. I undertake to furnish the necessary certificate(s) / document(s) / paper(s) in original along with a true copy of each of them as and when asked for, failing which I understand that my eligibility and admission stands automatically cancelled and that the. NIELIT Centre, Aurangabad is not responsible for the same.

I hereby declare that the information furnished by me in this form is true and correct to the best of my knowledge. I am liable to be disqualified if the competent authority notices that I have furnished any false information.

Yours Faithfully,

(Name & Signature of Candidate)

(Name & Signature of Guardian/Parent)

Date:
Place:

ANNEXURE V

<table>
<tr><td colspan="5" align="center">NIELIT Aurangabad, Maharashtra (India)</td></tr>
<tr><td colspan="5" align="center">Application form</td></tr>
<tr><td colspan="5" align="center">Lateral Entry Admission (Direct 2nd Year) of 4 Year's
B.TECH (Electronics System Engineering)</td></tr>
</table>

To,

The Dean Academics,
NIELIT Aurangabad,
Dr. BAM University Campus,
Aurangabad, 4310004 (MS)

Passport Size
Recent Photograph
Attested (Size:
4.5x5.5 cm)

Sir/Madam,

   Ihavepassed3yeardiplomacourseinElectronics&alliedstreamswith**minimum45%marks** (40 percent for SC/ST candidates) approved by AICTE. I hereby register for admission to 3rd Semester B.Tech (Electronics System Engineering) Course through Lateral Entry during the Academic year 2021-22 and request you to kindly grant me admission to the said course at NIELIT Aurangabad. I submit my particular as under:

Name of Candidate:	
Mother's Name	
Father's Name:	
Date of Birth:	
Category [General/SC/ST/OBC /PWD(General)/PWD(OBC)]	
Name of the Institute/Beneficiary	National Institute of Electronics and Information Technology (NIELIT)
Name of the Bank	State Bank of India
Branch	Samarth Nagar Aurangabad Maharashtra
Saving Bank Account Number	32078399585
IFSC/RTGS NO	SBIN 0007919
Application Fee	The application fee is Rs.500/-. However, the candidates belonging to SC/ST/PWD are exempted from application fees.
Mode of Electronic Transfer	NEFT, SBICollect, Website: www.onlinesbi.com
Address for Correspondence:	
	Pin:

E-mail ID:	Landline No.:	**Mobile No.:**	

Total % marks in Diploma Course in Engineering and Technology

Branch/Discipline	**1st Year %**	**2nd Year %**	**3rd Year %**	**Avg. %**

Candidate Signature with date

Important Instructions

1. Form should be signed by the student.
2. Incomplete form will not be accepted.
3. Mail scanned copy of filled form &fee receipt to **btech-abad@nielit.gov.in**
4. Please attach the scan copy of fee deposit counter foil along with application form.

ANNEXURE VI

NIELIT Aurangabad, Maharashtra (India)	
Application form	
2 year/ 3 Year's M.Tech (Electronics Design Technology) Full time/ Part Time Course Admission	

To,

The Dean Academics, NIELIT
Aurangabad, Dr.BAM
University Campus,
Aurangabad, 4310004(MS)

Passport Size
Recent Photograph
Attested (Size:
4.5x5.5 cm)

Sir/Madam,

I have passed B.E./ B.Tech Degree or equivalent in Electronics/Electrical/Telecommunication / Instrumentation engineering etc. from a recognized University with a minimum of 55 percent marks (50 percent for SC/ST candidates). I am hereby applying for the admission to M. Tech (Electronics Design Technology) Part time course during the Academic year 2021-2022. I submit my particular asunder:

Name of Candidate:	
Mother's Name	
Father's Name:	
Date of Birth:	
Category [General/SC/ST/OBC /PWD(General)/PWD(OBC)]	
Sponsorship by Academic Institute/Industry	
Working Experience	
Approximate Distance of Working place from the Institute (Kms)	
Name of the Institute/Beneficiary	National Institute of Electronics and Information Technology (NIELIT)
Name of the Bank	State Bank of India
Branch	Samarth Nagar Aurangabad Maharashtra
Saving Bank Account Number	32078399585
IFSC/RTGS NO	SBIN 0007919
Mode of Electronic Transfer	NEFT, SBICollect, Website: www.onlinesbi.com
Application Fee	The application fee is Rs.500/-. However, the candidates belonging to SC/ST/PWD are exempted from application fees.
Address for Correspondence:	
	Pin:
E-mail ID:	Landline No.: **Mobile No.:**

Total % marks in B.Tech/B.E Degree in Electronics Engineering or allied streams					
Stream/Discipline	**1st Year %**	**2nd Year %**	**3rd Year %**	**4th Year %**	**Avg. %**

Tick Appropriate cell based on category and hostel accommodation		
Amount to be paid on counseling for admission (1ˢᵗ Semester M.Tech Fee & Deposits)		
Category	Institute Fee	Institute Hostel fee (in case hostel required)
All other than SC/ST	Rs: 47,250/-	Rs: 11600/-
SC/ST	Rs: 1250/-	Rs:11600/-

Following documents with one self-attested copy of each document to be handed over to NIELIT Aurangabad academic section at the time of admission depending upon the category to which the candidate belongs.

Documents (Original with Self attested copy)	Certificate No. & Date of Issue	Yes/No	Checked (By Office)
Two Passport Size Photograph (attested)			
Date of Birth proof (X Mark-sheet / Certificate)			
All Mark Lists of the Qualifying Examination			
Degree Certificate of the Qualifying Examination.			
Conduct Certificate from the College, where the student has last studied			
Transfer Certificate from the college last studied.			
Migration Certificate (In case students are from other university)			
Physical Fitness Certificate (as per given format)			
Non creamy layer OBC certificate valid up to 31st March 2022, as per given format (OBC candidate only)			
SC/ST Certificate as per given format (SC/ST candidate only)			
Physical With Disability Certificate as per given format (PWD candidate only)			
Sponsorship Certificate and Experience Certificate (Sponsored Candidates Only)			

I hereby declare that the information furnished by me in this form is true and correct to the best of my knowledge. I am liable to be disqualified if the competent authority notices that I have furnished any false information. I am ready to remit Rs.................../- to bank as per the details given above today itself to secure the admission.

Candidate Signature with date

Important Instructions
1. Form should be signed by the student.
2. Incomplete form will not be accepted.
3. Mail scanned copy of filled form &fee receipt to mtech-abad@nielit.gov.in
4. Please attach the scan copy of fee deposit counter foil along with application form

Prescribed Performa for SC/ST Certificate

This is to certify that Shri/Shrimati/Kumari* _____ son/daughter of _____ of_____ village/town/* in_____ District/Division* of the_____ State/Union Territory* belongs to the Caste/Tribe* which is recognized as a Scheduled Castes [SC]* / Scheduled Tribes [ST]* under:

The Constitution (Scheduled Castes) Order, 1950
The Constitution (Scheduled Tribes) Order, 1950
The Constitution (Scheduled Castes) Union Territories Order, 1951
The Constitution (Scheduled Tribes) Union Territories Order, 1951

As amended by the Scheduled Castes and Scheduled Tribes Lists (Modification) Order, 1956, the Bombay Reorganization Act, 1960 & the Punjab Reorganization Act, 1966, the State of Himachal Pradesh Act 1970, the North-Eastern Area (Reorganization) Act, 1971 and the Scheduled Castes and Scheduled Tribes Order (Amendment) Act, 1976. [**%**]

The Constitution (Jammu & Kashmir) Scheduled Castes Order, 1956. The Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959 as amended by the Scheduled Castes and Scheduled Tribes Order (Amendment Act), 1976. The Constitution (Dadra and Nagar Haveli) Scheduled Castes Order, 1962. The Constitution (Dadra and Nagar Haveli) Scheduled Tribes Order 1962**. The Constitution (Pondicherry) Scheduled Castes Order, 1964**. The Constitution (Scheduled Tribes) (Uttar Pradesh) Order, 1967**. The Constitution (Goa, Daman & Diu) Scheduled Castes Order, 1968**. The Constitution (Goa, Daman & Diu) Scheduled Tribes Order, 1968**. The Constitution (Nagaland) Scheduled Tribes Order, 1970**. The Constitution (Sikkim) Scheduled Castes Order, 1978**. [**%**]

The Constitution (Sikkim) Scheduled Tribes Order, 1978**. The Constitution (Jammu & Kashmir) Scheduled Tribes Order 1989**. The Constitution (SC) Orders (Amendment) Act, 1990**. The Constitution (ST) Orders (Amendment) Ordinance, 1991**. The Constitution (ST) Orders (Second Amendment) Act, 1991**. The Constitution (ST) orders (Amendment) Ordinance, 1996. The Scheduled Caste and Scheduled Tribe Orders (Amendment) Act. 2002. The Constitution (Scheduled Caste) Orders (Amendment) Act, 2002. The Constitution (Scheduled Caste and Scheduled Tribe) Orders (Amendment) Act, 2002. The Constitution (Scheduled Caste) Order (Amendment) Act, 2007. [**%**]

2. Applicable in the case of Scheduled Castes, Scheduled Tribes persons who have migrated from one State/Union Territory Administration.
This certificate is issued on the basis of the Scheduled Castes / Scheduled Tribes certificate issued to Shri/Shrimati _____, Father/Mother of Shri/Srimati/Kumari*
of village/town* in the District/Division* of the State/Union Territory* , who belong to the Caste/Tribe* which is recognized as a Scheduled Caste* / Scheduled Tribe* in the State/Union Territory* issued by the dated . %
3. Shri/Shrimati/Kumari* and/or* his/her* family ordinarily reside(s) in the village/town* of

_____**District/Division* of the State/Union Territory of _____**

Place   **Signature**
Date   **Designation**
(with seal of office)
* Please delete the words which are not applicable
** Please quote specific presidential order   **51**

% please delete the paragraph which is not applicable.

^ List of authorities empowered to issue Schedule Caste / Schedule Tribe Certificates:

1) District Magistrate /Additional District Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / Sub-Divisional Magistrate / Extra-Assistant Commissioner / Taluka Magistrate / Executive Magistrate.

2) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.

3) Revenue Officers not below the rank of Tehsildar.

4) Sub-Divisional Officers of the area where the candidate and/or his family normally resides.

NOTES:

1) The term ordinarily reside(s) used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

ANNEXURE VIII
OBC Caste Certificate Format

[This certificate MUST have been issued on or after 1st April 2021]

This is to certify that Shri/Smt./Kum. _____Son/Daughter of Shri/Smt. _____ of Village/Town District/Division in the State/UT belongs to the Community which is recognized as a backward class under:

(i) Resolution No. 12011/68/93-BCC(C), dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186, dated 13/09/93.

(ii) Resolution No. 12011/9/94-BCC, dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163, dated 20/10/94.

(iii) Resolution No. 12011/7/95-BCC, dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88, dated 25/05/95.

(iv) Resolution No. 12011/96/94-BCC, dated 9/03/96.

(v) Resolution No. 12011/44/96-BCC, dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 11/12/96.

(vi) Resolution No. 12011/13/97-BCC, dated 03/12/97.

(vii) Resolution No. 12011/99/94-BCC, dated 11/12/97.

(viii) Resolution No. 12011/68/98-BCC, dated 27/10/99.

(ix) Resolution No. 12011/88/98-BCC, dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270, dated 06/12/99.

(x) Resolution No. 12011/36/99-BCC, dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71, dated 04/04/2000.

(xi) Resolution No. 12011/44/99-BCC, dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 21/09/2000.

(xii) Resolution No. 12016/9/2000-BCC, dated 06/09/2001.

(xiii) Resolution No. 12011/1/2001-BCC, dated 19/06/2003.

(xiv) Resolution No. 12011/4/2002-BCC, dated 13/01/2004.

(xv) Resolution No. 12011/9/2004-BCC, dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 16/01/2006.

(xvi) Resolution No. 12015/2/2007-BCC, dated 18/08/2010.

(xvii) Resolution No. 12015/2/2007-BCC, dated 11/10/2010.

(xviii) Resolution No. 12015/13/2010-BC-II, dated 08/12/2011.

(xix) Resolution No. 12015/05/2011-BC-II, dated 17/02/2014.

(xx) Resolution No. 12011/6/2014-BC-II, dated 07/12/2016.

(xxi) Resolution No. 12011/13/2016-BC-II, dated 22/12/2016

(xxii) Resolution No. 20012/1/2017-BC-II, dated 19/01/2017

(xxiii) Resolution No. 12011/7/2017-BC-II, dated 31/07/2017

Shri/Smt./Kum. _____and/or his family ordinarily reside(s) in the_____

District/Division of _____ State/UT. This is also to certify that he/she **does not belong to the persons/sections (Creamy Layer)** mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36 012/22/93-Estt.(SCT), dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.), dated 09/03/2004, further modified vide OM No. 36033/3/2004-Estt. (Res) dated 14/10/2008, again further modified vide OM No. 36036/2/2013-Estt (Res) dated 30/05/2014.

Place   **Signature**
Date   **Designation**
(with seal of office)
NOTE:
(a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
(b) ^The authorities competent to issue Caste Certificates are indicated below: 53

(i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / First Class Stipendiary Magistrate/ Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1st Class Stipendiary Magistrate).

(ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.

(iii) Revenue Officer not below the rank of Tehsildar.

(iv) Sub-Divisional Officer of the area where the candidate and / or his family resides

Physical Disability Certificate (format)

Certificate No.

This is to certify that I have examined
Mr./Ms...Son/Daughter/Wife of
Mr...Age............
Gender............on.....................

| Photograph Of the |
| Candidate |
| Showing the Physical |
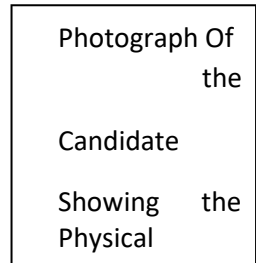
   i.   He/ She is suffering from.......................................which comes under the sub category Blindness /Low vision/Speech & Hearing impairment/Orthopedic disorder/Learning disabilities. Dyslexia, Dyscalculla, Dysgraphica, Spastic.

   ii.   The percentage of disability is..........%.

  iii.   The disability is permanent in nature.

  iv.   This condition is progressive/non-progressive/likely to improve/not likely to improve. Reassessmentofthiscaseisnotrecommended/isrecommendedafteraperiodof ....years................months.

   v.   The candidate is capable of carrying out all activities related to theory and practical work as applicable to DEPM/B.Tech/ M.Tech course of NIELIT Aurangabad without any special concession and exemptions.

  vi.   This certificate is issued as per the provisions given in the Persons with Disability Act, 1995 and its amendment.

  vii.   This Certificate is issued for the purpose of his/her admission to of DEPM/B.Tech (ESE)/M.Tech (EDT) course of NIELIT Aurangabad in the Academic Year 2021-22 at NIELIT Centre, Aurangabad(MS).

Date:

Place:

Director ORDean
/Civil Surgeon

Seal of Institution/Hospital

Physical Fitness Certificate (format)

(To be issued by a Registered Medical Practitioner)

GENERAL EXPECTATIONS
Candidates should have good general physique. In particular,
a   Chest measurement should not be less than70cm, with satisfactory limits of expansion and contraction.
b   Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and uniocular persons are restricted from admission.
c   Hearing should be normal. Defective hearing should be corrected.
d   Heart and lungs should not have any abnormality and there should be no history of mental illness and epilepticfits.

Name of the candidate:				
Identification Mark (a mole, scar or birthmark), if any				
Major illness/operation, if any (specify nature of illness/operation)				
Height in cm:		Weight in kg:		Blood Group:
Past History	(a) Mentalillness (b) EpilepticFit			
Chest		(a) Inspiration in cm		(b) Expiration in cm
Hearing				
Vision withor without glasses:	Right Eye	Left Eye	Colour Blindness	Uniocular vision
Respiratory System				
Nervous System				
Heart		a) Sounds		b) Murmur
Abdomen Liver Spleen		Hernia		Hydrocele
Any other defects:				

	Certificate of Medical Fitness (tick appropriate box below)		
	The candidate fulfils the prescribed standard physical fitness, medical fitness and is fit for admission to DEPM/B.Tech/M.Tech course of NIELIT Aurangabad.		
	The candidate does not fulfill the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:		
Name of the Doctor	Signature with date	Registration number	Seal

ANNEXURE XI

Sponsorship Certificate

(On letterhead of the Institute /Organization)

Outward No.:   Date:_

To,

       The Dean Academics, NIELIT Aurangabad
       Dr. B A M University Campus, Aurangabad 431 004

This is to certify that Mr. / Ms. ....is serving in
our Organization / Institution as..since………................

The Organization / Institution has no objection for the mentioned candidate to join the M.Tech(EDT)
at NIELIT, Aurangabad and will permit the candidate to attend lectures as per the institute timetable.

The Organization / Institution will render all possible help to him / her in persuasion of studies.

He / She will be relieved for a requisite period, if selected for the course.

Signature of Competent Authority

Name: Designation:

Seal of Sponsoring Organization

ANNEXURE XII

No Objection Certificate For M.Tech (EDT) Part Time Candidate (On letterhead of the Institute /Organization)

Outward No.:   Date:_

To,
  The Dean Academics, NIELIT Aurangabad
  Dr. B A M University Campus, Aurangabad 431 004

This is to certify that Mr. / Ms. ....is serving in our Organization / Institution as...since………..................

The Organization / Institution has no objection for the mentioned candidate to join the M.Tech (EDT) Part time Course at NIELIT, Aurangabad.

The Organization / Institution will render all possible help to him / her in persuasion of studies.

He/ She will be relieved for a requisite period, if selected for the course.

His/ Her working place is within 60 km distance from the institute. If candidate resigns or transferred beyond 60 km distance, the intimation in this regard will be given to your office in writing within a week.

                                       Signature of Competent Authority

                                       Name:
                                       Designation:

                                              Seal

NIELIT AURANGABAD
IN NEWS PAPERS

लोकमत समाचार

'नाईलीट' में आईआईटी स्तर प्राप्त करने की क्षमता : गुप्ता

संस्था का स्थापना दिवस मना उत्साह में

औरंगाबाद । 22 सितंबर। लोक सेवा

डॉ बाबासाहब आंबेडकर मराठवाडा परिसर स्थित नेशनल इन्स्टिट्यूट ऑफ इलेक्ट्रॉनिक्स एंड इन्फॉर्मेशन टेक्नोलॉजी (नाईलीट) संस्था में आईआईटी का स्तर प्राप्त करने की क्षमता है। यह विचार संस्था के कार्यकारी संचालक डॉ. संजीव कुमार गुप्ता ने व्यक्त किए।

नाईलीट संस्था की ओर से हाल ही में 32वां स्थापना दिवस उत्साह के साथ मनाया गया। इस अवसर पर गुप्ता ने कहा कि नाईलीट संस्था में पुलिस, सेना, पॉलीटेक्निक के साथ अन्य क्षेत्रों में कार्यरत लोगों को प्रशिक्षण दिया जाता है। इस प्रशिक्षण के अलावा इलेक्ट्रॉनिक्स, सूचना और तकनीक के विभिन्न क्षेत्रों में भी नाईलीट प्रशिक्षण दिया जाता है...

Lokmat Times

Union minister Dhotre pays visit to NIELIT

LOKMAT NEWS NETWORK
AURANGABAD, AUG 31

Union minister of state for electronics and information technology Sanjay Dhotre recently visited the National Institute of Electronics and Information Technology (NIELIT).

Dr Sanjeev Kumar Gupta (executive director, NIELIT) apprised the minister about this unique centre and special training given to MP police, government officials and lecturers of polytechnics.

He also said that the centre is preparing to start a first-of-its-kind postgraduate diploma in forensic and cyber security.

Union minister of state for electronics and information technology Sanjay Dhotre during his recent visit to NIELIT. Also seen are Dr Sanjeev Kumar Gupta (executive director, NIELIT) and Marathwada Development Board chairman Dr Bhagwat Karad.

In his speech, Dhotre said this is a matter of pride that such a regional centre of the western zone has been established in Aurangabad. He said the diligence of the staff working in the centre would definitely take it to new heights. He also promised that all possible help would be extended through the Marathwada Development Board (MDB).

MDB chairman Dr Bhagwat Karad and Eaknath Jadhav (educationist and director, Hi Tech Institute Group) accompanied the minister.

लोकमत

'नाईलीट'मध्ये आयोजित शिबिरात 70 विद्यार्थ्यांचे रक्तदान

लोकमत न्यूज नेटवर्क

औरंगाबाद : डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ परिसरातील राष्ट्रीय माहिती तंत्रज्ञान आणि अभियांत्रिकी संस्थेमध्ये (नाईलीट) डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ संचालक संजीव गुप्ता आले...

म. टा. प्रतिनिधी, औरंगाबाद

'नीलिट'चा औद्योगिक विकासात वाटा

डॉ. करांड यांचे वर्धापन दिनानिमित्त प्रतिपादन

'राष्ट्रीय इलेक्ट्रॉनिक्स आणि माहिती तंत्रज्ञान संस्थेचा (नीलिट) विभागातील शैक्षणिक, औद्योगिक विकासात वाटा आहे. अशा प्रकारची राष्ट्रीय संस्था या क्षेत्राचा भाग असल्याचा अभिमान आहे', असे प्रतिपादन मराठवाडा वैज्ञानिक विकास मंडळाचे अध्यक्ष डॉ. भगवान करांड यांनी संस्थेच्या वर्धापनदिनानिमित्त आयोजित कार्यक्रमात केले.

संस्थेच्या 32व्या वर्धापनदिनानिमित्त गुरुवारी कार्यक्रम झाला. यावेळी व्यासपीठावर कार्यकारी संचालक डॉ. संजीवकुमार गुप्ता यांची प्रमुख उपस्थिती होती...

Lokmat Times

Students exhibit talent at NIELIT

LOKMAT NEWS NETWORK
AURANGABAD, MARCH 14

Elecromi Festival-2018

Various projects and the innovative concepts behind them can been seen in the Elecromi Festival 2018 organised by the National Institute of Electronics and Information Technology (NIELIT) located on the premises of Dr Babasaheb Ambedkar Marathwada University (Bamu).

The three-day festival was inaugurated by vice chancellor B A Chopade and industrialist Ram Bhogale. Institute director Sanjivkumar Gupta presided.

Vice chancellor B A Chopade inaugurating Elecromi Festival-2018 at Bamu in Aurangabad on Wednesday. Also seen are Ram Bhogale and institute director Sanjivkumar Gupta.

लोकमत समाचार

'नाईलीट' संस्था में विद्यार्थियों के आविष्कारों के दर्शन

युवा किल्लारो अपनी प्रतिभा

औरंगाबाद । 14 मार्च । लोक सेवा

म. टा. प्रतिनिधी, औरंगाबाद

'इलेक्रोमा' विद्यार्थ्यांच्या कल्पनांना पंख

विविध स्पर्धांनी 'इलेक्रोमा-२०१८'चा पहिला दिवस गाजला, तीन दिवस महोत्सवाची धूम

सॉफ्टवेअर- हार्डवेअरपर्यंत प्रोग्रॉमिंग काय असते, इलेक्ट्रो सर्कुलेटर सर्किट बोर्ड नक्की कसा करतो अशा थेट 'सेफ रेंग'मधून टेक्निकलमधील कल्पनांचे अधिकारा खुलले तर, क्रिकेट, मिस्टर अँड मिसेस इलेक्ट्रोच्या धम्माल उदघन देशाच्या स्पर्धेत 'इलेक्रोमा-२०१८'चा पहिला दिवस गाजला.

— मयुरी शेवाळीकर
— मिरा धोरात
— पूजा भारजकर
— प्रियंका तुपे
— सुमेध सणसगुप्ती
— फरीदा अली
— शुभदीप मैत्रेय

— डॉ. संजीवकुमार गुप्ता, संचालक, नीलिट, औरंगाबाद.