माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

Madhav Institute of Technology & Science, Gwalior (M.P.), INDIA

Deemed University

(Declared under Distinct Category by Ministry of Education, Government of India)

NAAC ACCREDITED WITH A++ GRADE

EDITORIAL BOARD:

1. Faculty Members:

- Dr. Vandana Vikas Thakare (H.O.D.)
- Dr. Shubhi Kansal (Faculty Coordinator)

2. Student Members:

- Satyam Mishra (EC - 4th year)
- Sanskar Mishra (EC - 4th year)

Contact:
electronicsnewsletter@gmail.com

DEPARTMENT OF ELECTRONICS ENGINEERING

E-NEWSLETTER

January - March 2025

Department Vision

“ To Prepare Globally Competent Electronics Engineers for Industrial Challenges and Societal needs. ”

Department Mission

➢ To provide quality education through need based curriculum and effective teaching learning process.

➢ To imbibe professional ethics, leadership and entrepreneur skills with a passion for lifelong learning.

➢ Strengthening of employability skills through multidisciplinary projects and internships.

➢ To inculcate the spirit of innovation and research to serve the needs of the society and industry.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO-1

Graduates of the program will be successful global collaborators with thriving technical and professional careers in the field of Electronics Engineering.

PEO-2

Graduates will have the ability to adapt latest technologies to contribute for sustainable development of society with effective research and entrepreneurship attitude.

PEO-3

Graduates will have the teamwork, professional excellence, communication, and interpersonal skills to enable them to work effectively with interdisciplinary teams in Industry, Government, and Academia.

CONTENTS:

FDP/STC ATTENDED (OUTSIDE/INSIDE) THE INSTITUTE

Dr. R.P Narwaria

- Two Day Online National Workshop on “Modelling & Simulation using MATLAB Software” in association with Ark InfoSolution [MathsWork], Madhya Pradesh on 23rd & 24th January 2025

Dr. Varun Mishra

- Faculty Development Program on “Nanotechnology for VLSI: Fabrication and Challenges” jointly organized by Electronics and ICT Academy, NIT Patna and Malla Reddy College of Engineering and Technology, Hyderabad, Telangana under the “Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” by the Ministry of Electronics and Information Technology (MeitY), Government of India from 03rd February– 07th February, 2025.

Prof. Prateek Bhadauria

- FDP - AI/ML Applications for Next-Generation Wireless Communicationheld on 3-9th February, 2025 and organized by Department of Electrical and Electronics Engineering, Atal Bihari Vajpayee-Indian Institute of Information Technology and Management, Gwalior, India

Dr. Jaydeep Parmar

- One week Faculty Development Program on “Nanotechnology for VLSI: Fabrication and Challenges” jointly organized by Electronics and ICT Academy, NIT Patna, and Malla Reddy College of Engineering and Technology, Hyderabad, Telangana, under the “Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” by the Ministry of Electronics and Information Technology (MeitY), Government of India from 03rd February– 07th February, 2025.

FDP/STC ATTENDED (OUTSIDE/INSIDE) THE INSTITUTE

Dr. Himanshu Singh

- Participated & successfully completed a 10-days FDP on “IoT and Machine Learning for Advanced Biomedical Signal Processing” held from 15 Jan to 24 Jan 2025, at ABV-Indian Institute of Information Technology and Management, Gwalior.

Dr. Shubhi kansal

- Participated & successfully completed a one week FDP on “ Applied AI- Practical Implementations” held from 3-7 Feb 2025 under TechSaksham Program.

EXPERT TALK GIVEN (OUTSIDE/INSIDE) THE INSTITUTE

Dr. Jaydeep Parmar

- Artificial Intelligence (AI) in Healthcare on 13th January 2025, by Dr. Sidharth Pancholi from Mphasis, India.

Dr. Himanshu Singh

- Organized an IETE-sponsored Expert Talk by Dr. Ravi Yadav on "Next-Generation Electromagnetic Techniques for Absorber Design" at MITS Gwalior on January 11, 2025.
- Organized an IETE-sponsored Expert Talk by Dr. Meha Agrawal on "Emerging Antenna Technology: Fractional Substrate Integrated Waveguide Solutions for Size Miniaturization" at MITS Gwalior on January 12, 2025.

NPTEL/ATAL/INTERNSHALA COURSES ATTENDED

Dr. Karuna Markam got the certificate of appreciation for the NPTEL Believer (July-Dec 2024)

FACULTY AWARDS & RECOGNITIONS

Digital India
Power To Empower

ELECTRONICS INDIA

Electronics & ICT Academy

Supported by Ministry of Electronics and Information Technology (MeitY), Govt. of India

National Institute of Technology Patna

No. : EICT/NITP/9/24-25/422

CERTIFICATE

This is to certify that

Varun Mishra, Madhav Institute of Technology and Science (Deemed University), Gwalior, Madhya Pradesh has participated in the one week Faculty Development Program on **"Nanotechnology for VLSI: Fabrication and Challenges"** jointly organized by Electronics and ICT Academy, NIT Patna and Malla Reddy College of Engineering and Technology, Hyderabad, Telangana under the **"Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)"** by the **Ministry of Electronics and Information Technology (MeitY), Government of India** from 03rd February- 07th February, 2025.

Dr. V. Madhusudhana Reddy
Coordinator
Malla Reddy College of Engineering and Technology, Hyderabad

Dr. J. B. Maurya
Coordinator
National Institute of Technology Patna

Dr. Pushpa Giri
Coordinator
National Institute of Technology Patna

Prof. M. P. Singh
CI, E&ICT Academy
National Institute of Technology Patna

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

CERTIFICATE

MITS DAY
MARCH 10, 2025

Hindi Samiti
MITS, Deemed University
For
Being in the Top Five Student Clubs/ Professional Chapters under the Mentorship of Dr. Shubhi Kansal

R. K. PANDIT

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE

3RD INTERNATIONAL STUDENT CONFERENCE ON MULTIDISCIPLINARY AND CURRENT TECHNICAL RESEARCH - 2025

March 29-30, 2025

Ref. No.: MITS/ISCMCTR/2025/156

CERTIFICATE OF PARTICIPATION

ISCMCTR - 2025

This is to certify that **Priyansh Trivedi** of **Madhav Institute of Technology & Science - Deemed University, Gwalior, Madhya Pradesh, India** presented the paper in the 3rd International Student Conference on Multidisciplinary and Current Technical Research (ISCMCTR - 2025), held at Madhav Institute of Technology & Science, Deemed University, Gwalior (M.P.), India, during 29 - 30 March, 2025

Paper Title: Optimized Route Planning and Dynamic Fare Estimation for Multimodal Urban Transit Networks Using Dijkstra's Algorithm

Author(s): Priyansh Trivedi, Himanshu Singh

Paper ID: 156

Dr. Manjaree Pandit
Coordinator, ISCMCTR - 2025

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ GRADE

Ref. No.: MITS-DU/10032025/66

MITS DAY
MARCH 10, 2025

CERTIFICATE

Dr. Himanshu Singh
Department of Electronics Engineering
For
Being Recognized as NPTEL Superstar

NPTEL Discipline Star
In Year 2024

DR. R.K. PANDIT
VICE CHANCELLOR

NPTEL BELIEVER

CERTIFICATE OF APPRECIATION
TO

KARUNA MARKAM

for being recognized as NPTEL BELIEVER
JUL-DEC 2024

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

NPTEL BELIEVER
Candidate has to be present in 4/5/6 exams, passing atleast 4 of these exams

NPTEL
swayam

DEPARTMENT OF ELECTRONICS ENGINEERING

PUBLICATIONS SCI/SCOPUS/UGC WITH DOI NUMBER

Dr. Vandana Vikas Thakare

Rachit jain, R. Ramya, Vandana Vikas Thakare and PK Singhal, “Design and analysis of antenna through machine learning for next-generation IoT system”, Discover Internet of Things, March 2025.

PUBLICATIONS SCI/SCOPUS/UGC WITH DOI NUMBER

Dr. Varun Mishra

- 1. Yogesh Kumar Verma, Varun Mishra, Manoj Singh Adhikari, Suman Lata Tripathi, and Santosh Kumar Gupta. "Comparative Analysis of AlN/β-Ga2O3 and MgZnO/CdZnO Gate All Around Field Effect Transistors (GAA-FETs) for Analog/RF Applications." Journal of Circuits, Systems and Computers (2024): 2550125.
- 2. Lucky Agarwal, Shreyas V. Devadiga, Swati Dixit, and Varun Mishra. "Design & Implementation of Nano Cavity TFET Based Smart Sensor for Water Quality." Sensing and Imaging 26, no. 1 (2025): 8.

Dr. Deep Kishore Parsediya

- D. K. PARSEDIYA ,A. S. Sengar and P. Bhardwaj, "Performance Evaluation of Different Antenna Shapes (Hexagonal, Pentagonal, Circular, Octagonal Triangular) for Sub-6 GHz Band in 5G Communications," 2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS), Bhopal, India, 2025, pp. 1-6, doi: 10.1109/SCEECS64059.2025.10940521.

R. Jenkin Suji

- Atharva Shrotriya, Mahim Dixit, R. Jenkin Suji, Graphical User Interface Tool for the Development of Machine Learning Models, 3RD INTERNATIONAL STUDENT CONFERENCE ON MULTIDISCIPLINARY AND CURRENT TECHNICAL RESEARCH - 2025
- **Dr. Shubhi kansal**

Shubhi kansal, Unsharp masking and histogram equalization for remote sensing image enhancement, SCOPE journal, Scopus, March 2025.

PUBLICATIONS SCI/SCOPUS/UGC WITH DOI NUMBER

Prof. Pooja Sahu

- Shrivastav, Prasann, and Pooja Sahoo. "Hydraulic solar tracker: Solar energy enhancer with hydraulic tracking system." AIP Conference Proceedings. Vol. 3162. No. 1. AIP Publishing, 2025. 2- Harsh Magarde1, Pooja Sahoo2, Rachit Jain3, Suryansh Rajawat4, Khan Anas Shokat5 Arc-Shaped Planar Monopole Antenna for Next-Generation 5G Communication" at "2025 3rd International Conference on Communication, Security, and Artificial Intelligence", which will be held at Galgotias University, Greater Noida, India (203201), from April 4-6, 2025.

Dr. Himanshu Singh

- H. Gupta, H.Singh, and A.Kumar, " RAOMIFD: RPi Assisted Optimal Mode-Based Image-Denoising Framework Using Diffusion-Filter ", in IEEE Transactions on Consumer Electronics, doi: 10.1109/TCE.2025.3546809 (2025). https://ieeexplore.ieee.org/abstract/document/10912494 Optimized Route Planning and Dynamic Fare Estimation for Multimodal Urban Transit Networks Using Dijkstra’s Algorithm Priyansh Trivedi and Himanshu Singh in 3rd International Student Conference on Multidisciplinary and Current Technical Research (ISCMCTR - 2025)

Dr. Karuna Markam

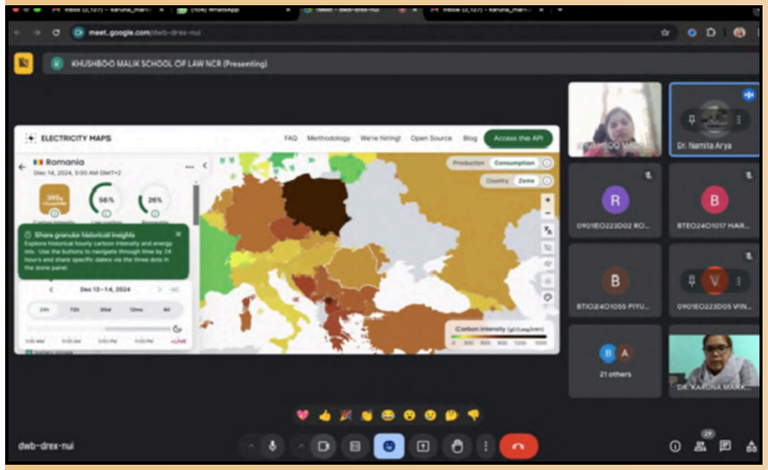
- V. Gurjar, P. Singh, K. Markam, S. S. Tomar and V. Agrawal, "Third Eye," 2024 IEEE 2nd International Conference on Innovations in High Speed Communication and Signal Processing (IHCSP), Bhopal, India, 2024, pp. 1-7, doi: 10.1109/IHCSP63227.2024.1096000

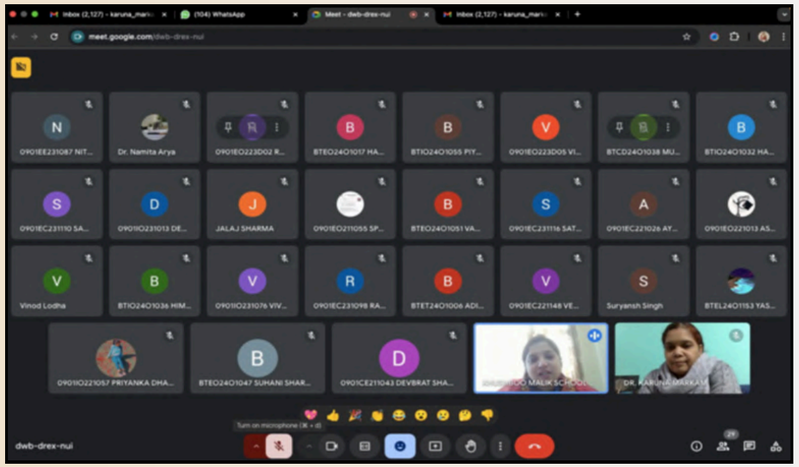
STUDENT CLUB ACTIVITIES

- Online Panel Discussion and Interaction of Alumni - Students on “Industrial Demand and Current Adopted Technologies in the Field of Electronics-III” in association with IETE Bhopal centre.

- Shame-ulfat organized by Hindi Samiti on 15th Feb 2025

- Yuva Mahotsav organized by Hindi Samiti on 12 January 2025.





DEPARTMENT OF ELECTRONICS ENGINEERING

एमआईटीएस के छात्र-छात्राओं ने स्वामी विवेकानंद के मार्ग पर चलने का लिया संकल्प

सत्ता सुधार ■ ग्वालियर

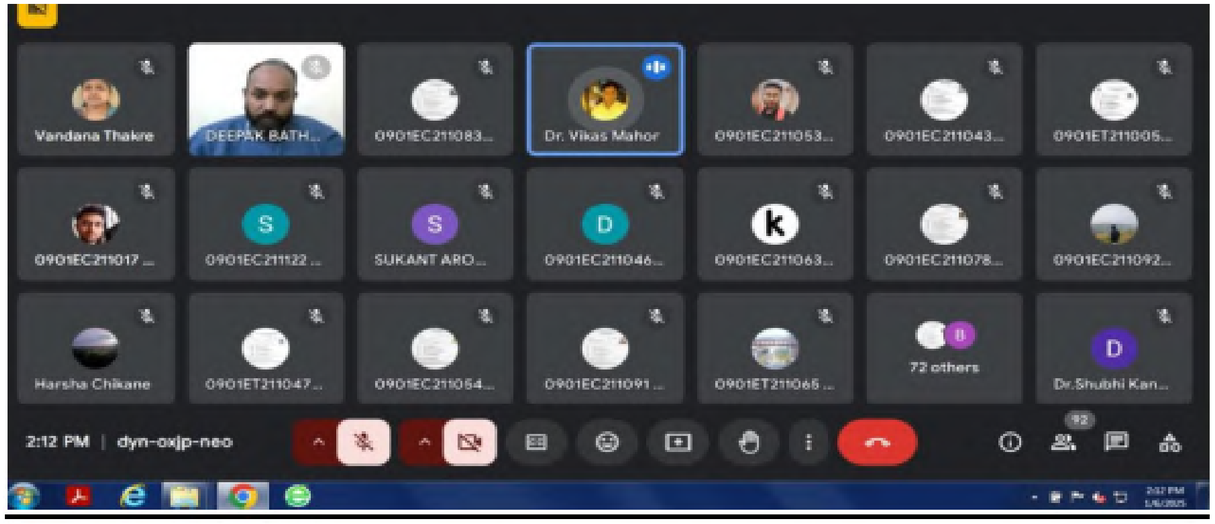
माधव प्रौद्योगिकी एवं विज्ञान संस्थान-सम विश्वविद्यालय में स्वामी विवेकानंद जयंती पर छात्रों में स्वामी विवेकानंद के आदर्शों और उनके विचारों को प्रोत्साहित करने हेतु संस्थान की हिंदी समिति और फिटनेस क्लब द्वारा संयुक्त रूप से युवा उत्सव का आयोजन किया। इस आयोजन में सैकड़ों छात्रों ने भाग लिया और एक विशेष प्रेरक सत्र आयोजित किया, जिसमें फिर एक प्रयास संस्था के संस्थापक पं. अंकित शर्मा ने स्वामी विवेकानंद और युवा शक्ति विषय पर छात्रों को सम्बोधित किया। उन्होंने छात्रों को स्वामी विवेकानंद के जीवन के प्रमुख पहलुओं, उनके संघर्ष, समर्पण और राष्ट्र निर्माण में योगदान से अवगत कराया। साथ ही

छात्रों में शारीरिक और मानसिक स्वास्थ्य के प्रति जागरूकता को बढ़ाने हेतु सूर्य नमस्कार सत्र भी आयोजित किया गया। इस सत्र का मार्गदर्शन एलएनआईपीई के योग शोधार्थी सुश्री पूजा सिंह ने किया एवं सूर्य नमस्कार के लाभों के बारे में विस्तार से बताया। उन्होंने बताया कि सूर्य नमस्कार न केवल शरीर को स्वस्थ बनाता है, बल्कि मानसिक शांति भी प्रदान करता है। इस अवसर पर मौजूद छात्रों ने योग को अपनी दैनिक दिनचर्या में शामिल करने का संकल्प लिया। इस अवसर पर विश्वविद्यालय की हिन्दी समिति की समन्वयक डॉ. शुभी कंसल उपस्थित थीं। कार्यक्रम की भूमिका नीतेश गुर्जर ने रखी एवं समिति के अध्यक्ष पुष्पेन्द्र सिंह गुर्जर ने आभार ज्ञापन किया। फिटनेस क्लब की अध्यक्ष माही शुक्ला ने अतिथियों का स्वागत किया।

DEPARTMENT OF ELECTRONICS ENGINEERING

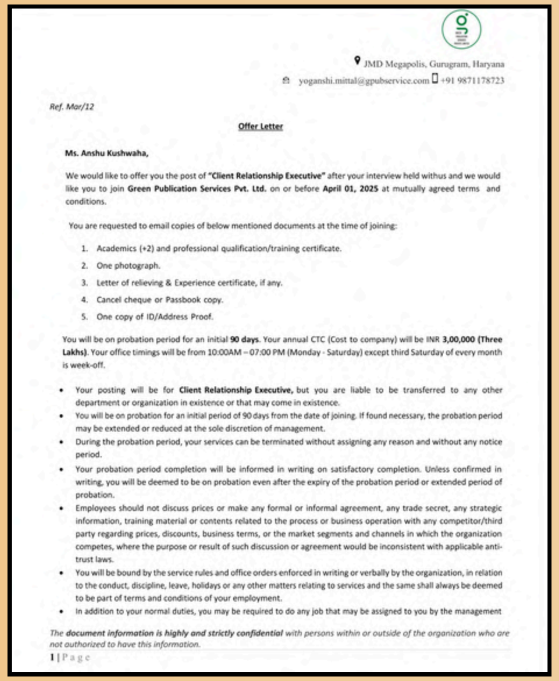
DEPARTMENTAL ACTIVITY

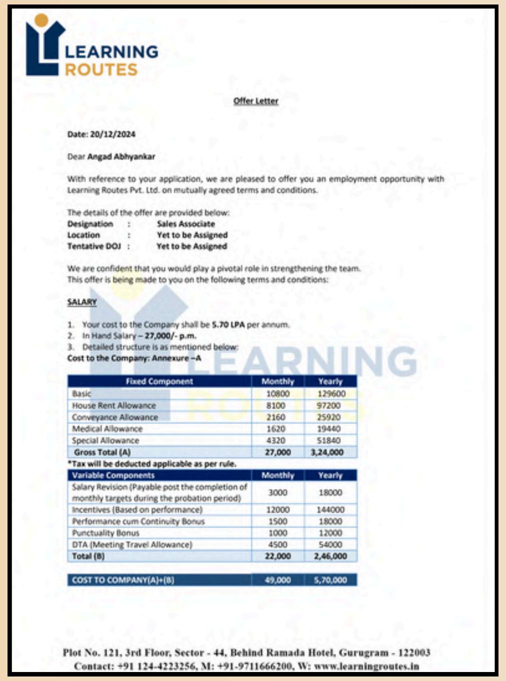
- Orientation program for first year was organized on 3 Feb 2025
- Orientation for 2, 3 and 4 year was organized on 6th January 29=2025

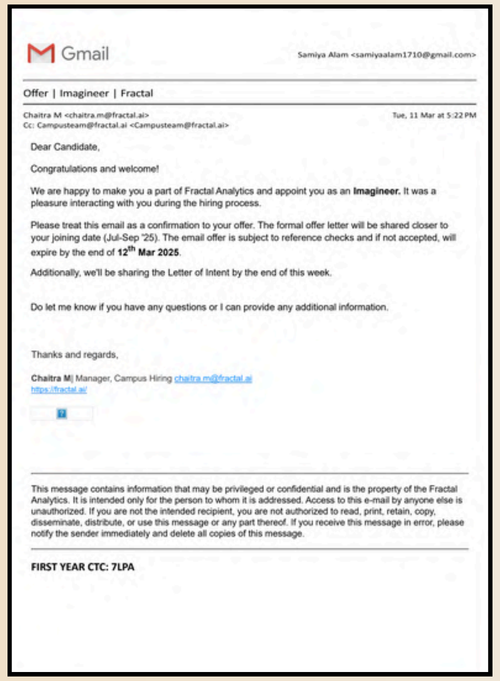


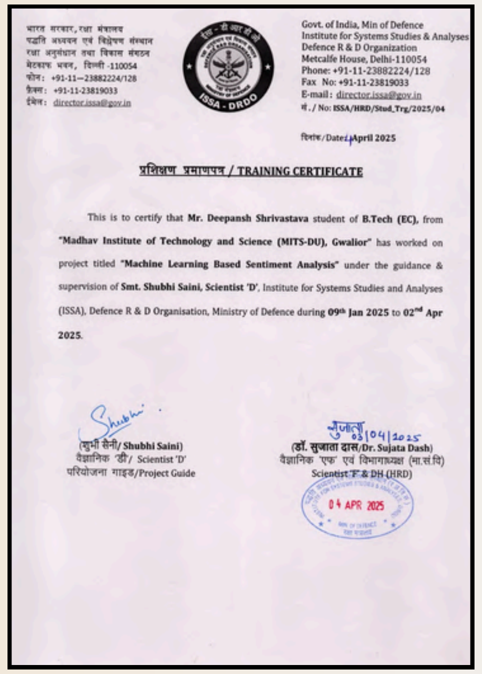
DEPARTMENT OF ELECTRONICS ENGINEERING

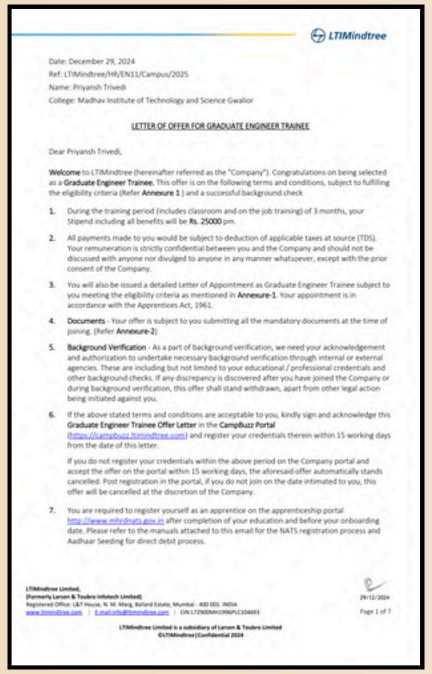
STUDENT ACHIEVEMENTS

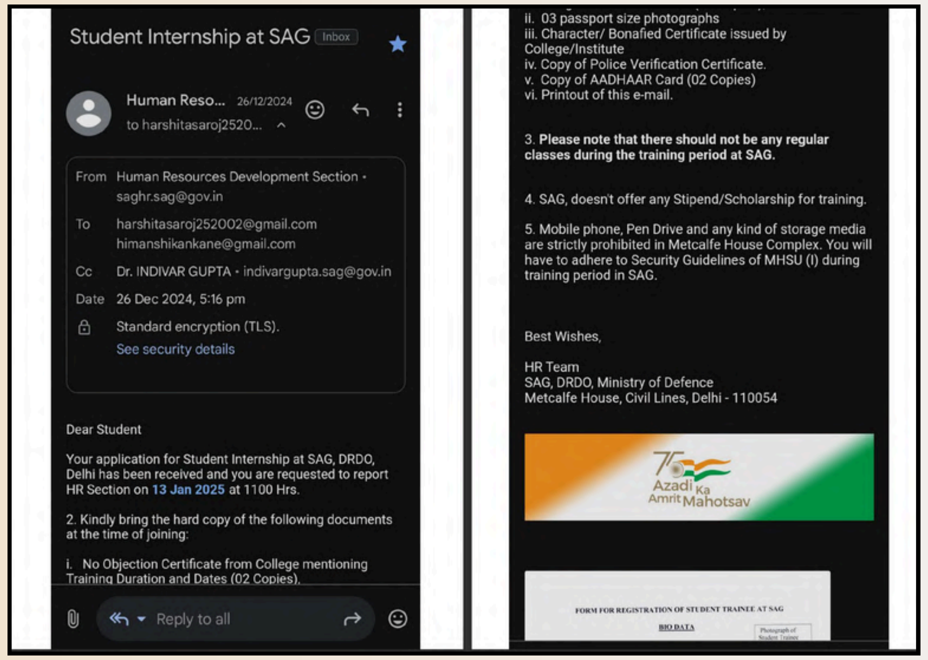












DEPARTMENT OF ELECTRONICS ENGINEERING

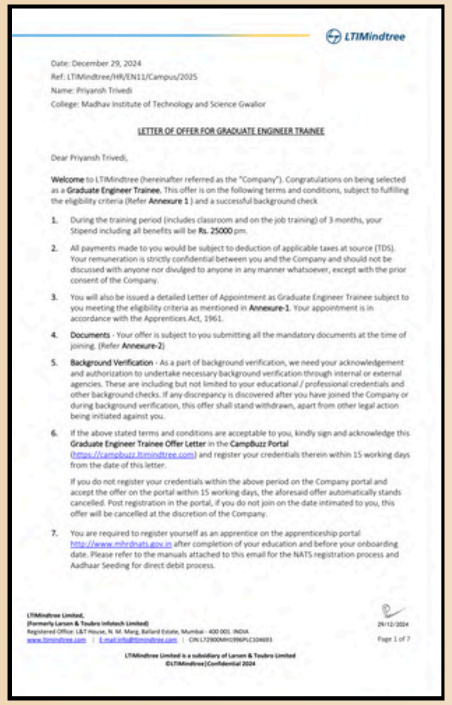
MADHAV INSTITUTE OF TECH & SCIENCE
WORK IS WORSHIP
Estd. 1957

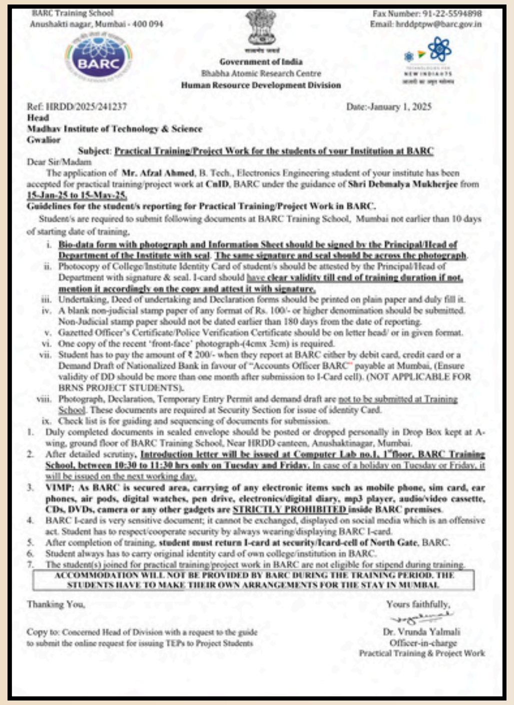
STUDENT ACHIEVEMENTS


Ministry of Electronics & Information Technology
Government of India

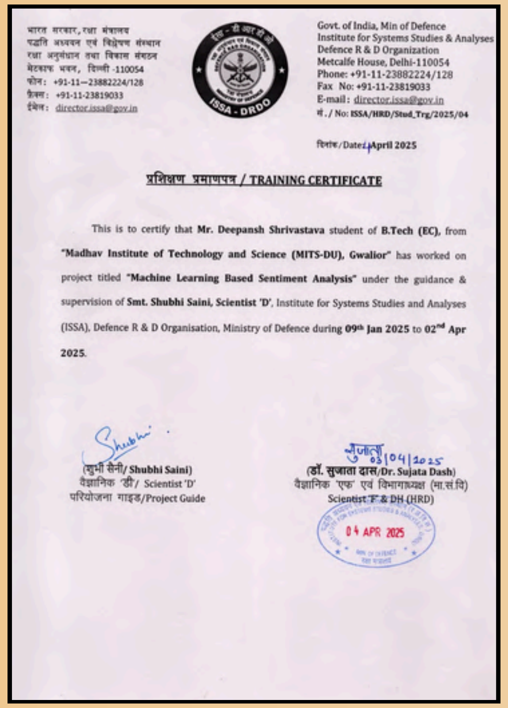
Offer Letter


Queen Mary
University of London


LTIMindtree

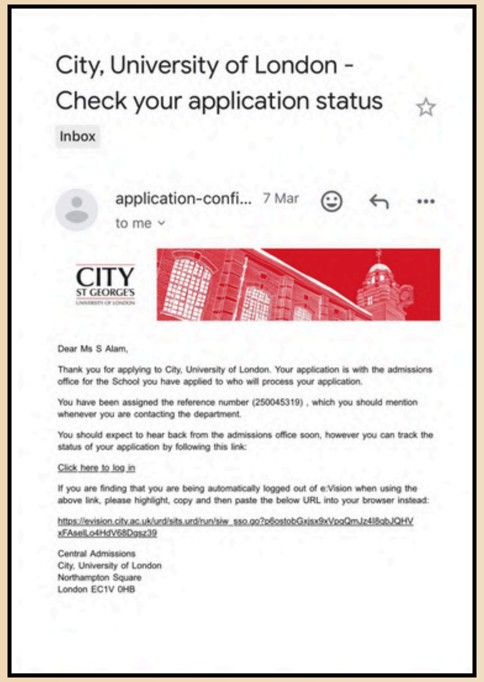

BARC


cognizant


प्रशिक्षण प्रमाणपत्र / TRAINING CERTIFICATE

This is to certify that Mr. Deepansh Shrivastava student of B.Tech (EC), from "Madhav Institute of Technology and Science (MITS-DU), Gwalior" has worked on project titled "Machine Learning Based Sentiment Analysis" under the guidance & supervision of Smt. Shubhi Saini, Scientist 'D', Institute for Systems Studies and Analyses (ISSA), Defence R & D Organisation, Ministry of Defence during 09th Jan 2025 to 02nd Apr 2025.

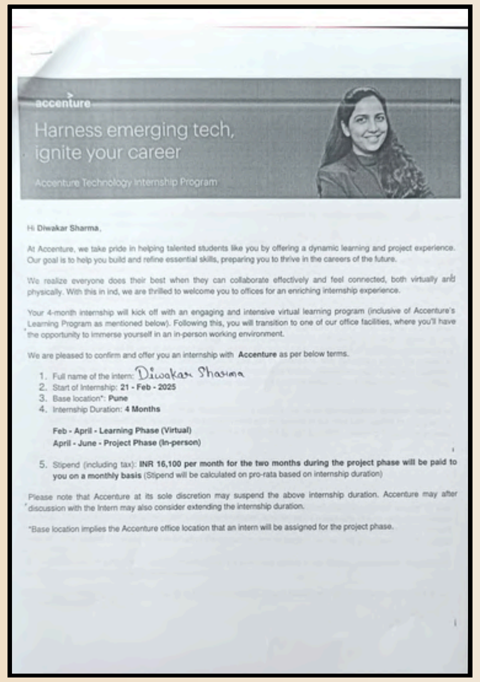

cognizant


City, University of London - Check your application status

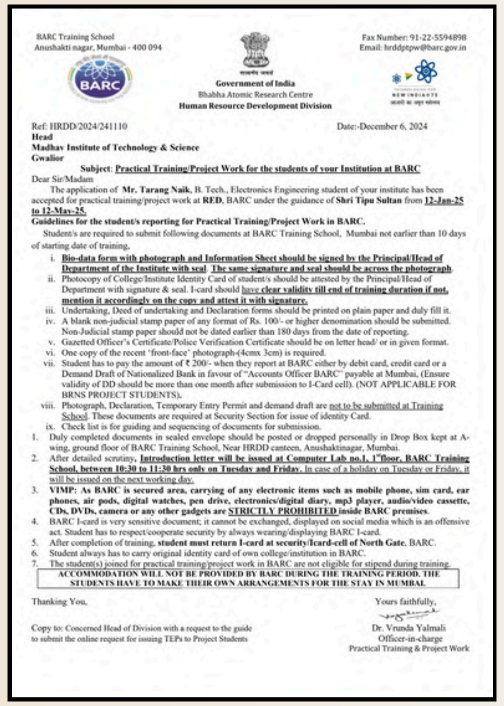
Inbox

application-confi... 7 Mar

to me


accenture

Harness emerging tech, ignite your career


BARC

DEPARTMENT OF ELECTRONICS ENGINEERING

STUDENT ACHIEVEMENTS


GRADUATE APTITUDE TEST IN ENGINEERING 2025
SCORE CARD
Name of the Candidate: HIMANSHI KANKANE
Name of the Parent/Guardian: RAKESH KANKANE
Registration No.: EC25560515310
Date of Birth: December 22, 2002
Test Paper: Electronics and Communication Engineering (EC)
Date of Examination: February 15, 2025
GATE Score: 350
Marks out of 100: 25.0
All India Rank (AIR) in the test paper: 10284
Number of candidates appeared for the test paper: 81475
Qualifying Marks — General: 25.0; EWS/OBC-NCL: 22.5; SC/ST/PwD: 16.6
GATE SCORE COMPUTATION


GRADUATE APTITUDE TEST IN ENGINEERING 2025
SCORE CARD
Name of the Candidate: SUHANI JAIN
Name of the Parent/Guardian: KAMAL JAIN
Registration No.: CS25515015365
Date of Birth: December 2, 2003
Test Paper: Computer Science and Information Technology (CS)
Date of Examination: February 1, 2025
GATE Score: 324
*Marks out of 100: 26.64
All India Rank (AIR) in the test paper: 26789
Number of candidates appeared for the test paper: 170825
Qualifying Marks — General: 29.2; EWS/OBC-NCL: 26.2; SC/ST/PwD: 19.4
*Normalised marks across two sessions of the test paper
GATE SCORE COMPUTATION


GRADUATE APTITUDE TEST IN ENGINEERING 2025
SCORE CARD
Name of the Candidate: ANKIT YADAV
Name of the Parent/Guardian: RAMNATH YADAV
Registration No.: IN25502515064
Date of Birth: September 6, 2003
Test Paper: Instrumentation Engineering (IN)
Date of Examination: February 1, 2025
GATE Score: 357
Marks out of 100: 26.0
All India Rank (AIR) in the test paper: 1606
Number of candidates appeared for the test paper: 11935
Qualifying Marks — General: 25.6; EWS/OBC-NCL: 23.0; SC/ST/PwD: 17.0
GATE SCORE COMPUTATION


GRADUATE APTITUDE TEST IN ENGINEERING 2025
SCORE CARD
Name of the Candidate: HARSH GOYAL
Name of the Parent/Guardian: NARESH GOYAL
Registration No.: EC25560515227
Date of Birth: May 27, 2001
Test Paper: Electronics and Communication Engineering (EC)
Date of Examination: February 15, 2025
GATE Score: 604
Marks out of 100: 46.67
All India Rank (AIR) in the test paper: 1218
Number of candidates appeared for the test paper: 81475
Qualifying Marks — General: 25.0; EWS/OBC-NCL: 22.5; SC/ST/PwD: 16.6
GATE SCORE COMPUTATION


GRADUATE APTITUDE TEST IN ENGINEERING 2025
SCORE CARD
Name of the Candidate: ANKITA YADAV
Name of the Parent/Guardian: VINOD KUMAR YADAV
Registration No.: EC25560515309
Date of Birth: December 6, 2003
Test Paper: Electronics and Communication Engineering (EC)
Date of Examination: February 15, 2025
GATE Score: 377
Marks out of 100: 27.33
All India Rank (AIR) in the test paper: 8305
Number of candidates appeared for the test paper: 81475
Qualifying Marks — General: 25.0; EWS/OBC-NCL: 22.5; SC/ST/PwD: 16.6
GATE SCORE COMPUTATION

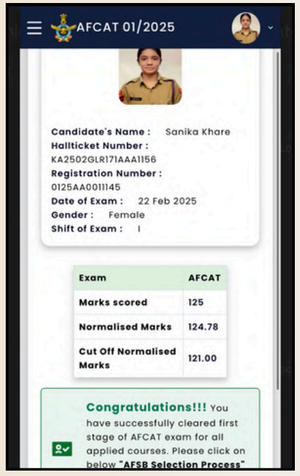

GRADUATE APTITUDE TEST IN ENGINEERING 2025
SCORE CARD
Name of the Candidate: ADITYA VERMA
Name of the Parent/Guardian: MANISH KUMAR VERMA
Registration No.: EC25560515254
Date of Birth: August 6, 2004
Test Paper: Electronics and Communication Engineering (EC)
Date of Examination: February 15, 2025
GATE Score: 717
Marks out of 100: 56.33
All India Rank (AIR) in the test paper: 371
Number of candidates appeared for the test paper: 81475
Qualifying Marks — General: 25.0; EWS/OBC-NCL: 22.5; SC/ST/PwD: 16.6
GATE SCORE COMPUTATION

GATE QUALIFIED STUDENTS

- HIMANSHI KANKANE
- SUHANI JAIN
- ANKIT YADAV
- HARSH GOYAL
- ANKITA YADAV
- ADITYA VERMA

AFCAT CLEARED STUDENT

- SANIKA KHARE



DEPARTMENT OF ELECTRONICS ENGINEERING