Summer Training and Internship @ABV-IIITM Gwalior in Electrical and Electronics Engineering (STAIG-EEE-2023)

About STAIG-EEE-2023

ABV-IIITM Gwalior is happy to announce 4-8 weeks Summer Training and Internship program by the Electrical and Electronics Department (STAIG-EEE-2023) for undergraduates, post graduates and research scholars from across the country to provide a growing environment for research enthusiast in various fields. The important dates for STAIG-EEE-2023 are as follows

- Last date of applying to respective faculty members: 11/05/2023
- Last date of shortlisting of candidates by respective faculty members: 12/05/2023
- Last date of informing selected candidates by respective faculty members: 13/05/2023
- Summer internship and training work will start from 15/05/2023 and end on 15/06/2023

Duration	The work under **Summer Training and Internship** can be done in a period of 4-8 weeks.
Support to selected candidates	The selected candidate will register at IIITM Gwalior as a visiting student. The institute will provide limited accommodation (on first-come-first-serve basis) @Rs. 100/- per day (to be deposited at the time of reporting) and food on paid basis (as per the institute's norms). The candidate is required to pay an initial **non-refundable registration fees of Rs. 500/-** to be deposited in the bank details provided at the end of this document.
Who can Apply?	The programme is open to undergraduates/post graduates/Research scholars (ongoing or completed).
Location	ABV-IIITM Gwalior, EEE Department

**Note: Read all the instructions carefully before applying**

How to Apply

1.   Students should directly contact to the faculty member (refer point 2) through email on their email id by sending the following documents

▪   Passport Photograph

▪   Detailed CV consisting of all academic record from 10th onwards till the last semester, Technical skills, and Research interests.

▪   Scanned copy of all the mark sheets

▪   Research interests

▪   **No Objection Certificate** (NOC in PDF format) from the parent institution on institute's letterhead stating the starting and ending dates for carrying out training and internship work at ABV-IIITM Gwalior under STAIGEE-2023.

The uploaded documents should be clear and legible, without which the application is liable to be rejected.

2.   For details of faculty members, the applicants are advised to refer to the table below or visit the Faculty page of EEE Department's website from here for more details. (or copy and paste the following link in your browser: https://www.iiitm.ac.in/index.php/en/departments/department-of-electrical-electronics)

Faculty Details

Faculty	Email ID	Research Area
Prof. Sri Niwas Singh	snsingh@iiitm.ac.in	Electricity Market & Economics HVDC Transmission & FACTS Technology Wind & Solar Forecasting Power Power System Operation & Control Active Distributed System & Smart Grid AI Applications in Power Systems. Power Quality
Prof. Manisha Pattanaik	manishapattanaik@iiitm.ac.in	Low Power/Low Voltage Electronics, Nanoscale CMOS Device/Circuits/System Co-Design Characterization and Design of Low Power Logic and Memory Leakage Power Reduction and Ground Bounce Noise Reduction Techniques etc

Dr. Gaurav Kaushal	kaushalg@iiitm.ac.in	Analog circuits for bio-medical applications, Low power and Radiation hardened analog and digital circuits, In-memory and near memory computation, AI-accelerator design
Dr. Pinku Ranjan	pinkuranjan@iiitm.ac.in	Wireless communication, Design of Antenna for biomedical Applications, 5G Application, Wearable Applications, IOT Device and its applications, Multi band hybrid antenna, MIMO antenna, DRA, RCS Reduction, CP antenna, Machine Learning
Dr. Somesh Kumar	somesh@iiitm.ac.in	Application of Machine Learning in VLSI, Modeling and Fabrication of High-Speed Interconnects, Antenna for 5G And 6G Applications, Nanoscale Device Modelling and Simulation, Flexible Devices, Reversible Circuits, IOT-Based Hardware Design, Biosensors
Dr. Binod Prasad	binod@iiitm.ac.in	Wireless Communication, Cognitive radio network, Cooperative communication, RF energy harvesting
Dr. Vinal Patel	vp@iiitm.ac.in	Adaptive Signal Processing, Active Noise Control, Hearing Aid Design, Digital Image Processing, Array Signal Processing, Machine Learning and Neural Network
Dr.Alok Kumar kamal	kamal@iiitm.ac.in	Modelling and simulation of nanoscale transistors and memories, steep switching devices, capacitorless DRAM, and device-circuit co-simulation design for neuromorphic applications
Dr. Rakesh Chowdhury	rakeshc@iiitm.ac.in	Dielectric resonator antennas, metamaterials, circularly Polarized and high gain antennas, EBG Structures, MIMO, AMC Structures, millimeter wave antennas
Dr.Nalin Kumar Sharma	nalin@iiitm.ac.in	Control Systems, Robotics and Autonomous Systems, Intelligent transportation Systems, Reinforcement Learning in Cyber-physical Systems

Dr.Praveen Kumar Singya	praveens@iiitm.ac.in	Wireless Communications, Free-Space Optics (FSO) Communication, TeraHertz (THz) Communication, Integrated Access and Backhaul (IAB), Hybrid Terrestrial-Satellite Communication, High Altitude Platforms (HAPs), Intelligent Reflecting Surfaces (IRS).
Dr. Sandesh Jain	sandesh@iiitm.ac.in	Adaptive Signal Processing, Machine Learning over reproducing kernel Hilbert space, Wireless Communications, Visible Light Communication, Ultraviolet Communication, Massive-MIMO, and Signal Processing
Dr. Pragya Swami	pswami@iiit.ac.in	Next generation wireless networks, Non-orthogonal multiple access (NOMA), Heterogeneous Networks, Hybrid networks, Energy Harvesting, Millimetre wave communication, Simultaneous wireless information and power transfer (SWIPT), Intelligent reflecting surfaces.

3. After getting shortlisted by the prospective supervisor, student is required to fill a Google Form ([click here](https://docs.google.com/forms/d/114yB7PUQ4Moa5Q55Hr6ctxfcZu1Q7bYsmZ2ieO2i3gI/edit?pli=1) or copy and paste https://docs.google.com/forms/d/114yB7PUQ4Moa5Q55Hr6ctxfcZu1Q7bYsmZ2ieO2i3gI/edit?pli=1 in you browser) without fail and will be required to appear for an online/offline interview with their respective supervisors .

4. **The registration fee should be deposited only after shortlisting of the students and is required to be produced at the time of interview.**

Note for students: While submitting the registration fees make sure to put payment remark as "STAIG-EEE-2023"

Important Note for Students and Faculties:

❖ Applicants should not send hardcopy of the CV and NOC to ABV-IIITM Gwalior. However, the selected candidates will have to produce all the original documents at the time of joining including mark sheets, NOC, and payment receipt.

❖ **Selection will be made on the basis of academic record, aptitude for research, accomplishments and area(s) of research interest.**

❖ Selected students are required to book accommodation via email through research supervisor at the respective hostels.

❖ Access to the needed computational and library facilities will be provided.

❖ **Only those who satisfactorily complete the programme will be given the internship certificate.**

❖ Each faculty member is allowed a maximum of two summer interns for the ongoing session

❖ **Faculty members are requested not to take leave for more than two weeks under whom the interns may be working in order for a strict supervision of the selected candidates.**

Requirements:

• The selected candidate is required to work on the IIITMG campus for the whole duration on internship to complete the assigned research work.

• **Candidates selected must abide by the rules and regulations of ABV-IIITM Gwalior.**

• **Selected candidates are required to submit an undertaking signed by them and their parents to their supervisor at the time of reporting (Undertaking will be provided to the selected students through their supervisors).**

• It is mandatory to submit the Project Report for the award of completion certificate.

NEFT/RTGS/IMPS Details for Internship Registration Fees Payment:
A/C Name: ABV-IIITM IEEE Student Branch **A/C No.: 946210110004899** **IFSC Code: BKID0009462**

For any further query related to STAIG-EEE-2023 you may email to your prospective supervisor or to the undersigned

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Assistant Professor, Electrical and Electronics Engineering
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