

## Department of Electrical and Electronics Engineering, NITK Surathkal

### VRITIKA (Training and Skill Internship)

'VRITIKA' is the call for initiation and practice in science through Training and Skill Internship. This program aims to provide opportunities to promising PG students from universities and colleges to get exposure and research skill development experience. These internships will primarily be facilitated by organizations / institutions / laboratories of national importance such as IITs, IISc, IISERs, NITs, CSIR, ICAR, ICMR etc. For more details visit the following links: <https://acceleratevigyan.gov.in/programs/abhyas/vritika> & <http://serb.gov.in/abhyaas.php>

### Call for Research Internship (Accelerate Vigyan - Vritika) – Physical Mode

## Title: Design and Development of Reduced Component Multilevel Inverter for Solar Photovoltaic based System

#### Who can Apply:

- ❖ **Regular PG level (MTech/M.E./M.S)** students pursuing their degree from AICTE approved University / Institution within India are eligible to apply.
- ❖ Specialization - Power Electronics/Electrical Drives/Power and Industrial Drives/Power Systems and related domains.
- ❖ The applicants must produce a letter of authentication from their Supervisor/Head of the Department/Head of the Institute indicating their association with the Institute and a "No Objection Certificate (NOC)" for allowing their student to undergo training in the workshop if selected. There is no dedicated format for the same; however, it must be obtained on the institute/university letterhead.
- ❖ Students who have demonstrate strong research and analytical skills in previous professional and academic work would be given preference.

#### How to Apply:

- ❖ **Step 1:** The candidate shall apply for the Internship program by filling the following Google form:  
<https://forms.gle/DFJnK4iJDBegyWNR9>
- ❖ **Step 2:** Please fill the above Google form with the requested details and upload the **scanned copies of certificate** and **no objection certificate** (from HoD/Head of the institution) **by Friday, 24th June 2022**
- ❖ **Step 3:** Take the printout of the filled Google form (received in your registered email) and sign at the bottom of all pages.
- ❖ **Step 4:** E-mail the scanned copy of the signed registration form to [ravi.raushan@nitk.edu.in](mailto:ravi.raushan@nitk.edu.in) **by Friday, 24th June 2022.**
- ❖ List of shortlisted students for written test/interview shall be announced on or before **26th June 2022.**
- ❖ Tentative date of written test/interview (online mode) : **27th June 2022.**

### Details of Internship & Selection Process

- ❖ Duration – **04<sup>th</sup> July 2022 to 31<sup>st</sup> July 2022 (4 Weeks)**
- ❖ Venue: **Department of Electrical and Electronics Engineering, NITK Surathkal, Mangaluru - 575025**
- ❖ Number of Interns Required – **05**
- ❖ Last Date for application/registration: **24<sup>th</sup> June 2022.**
- ❖ List of selected students for the internship shall be announced on or before **28<sup>th</sup> June 2022.**
- ❖ Reporting date for the selected students – **3<sup>rd</sup> July 2022 (NITK, Surathkal).**
- ❖ **No stipend will be provided for the internship.**

#### Selection process:

- The registered candidates shall be shortlisted for written test or interview, or both based upon the eligibility criteria and academic performance/GATE score.
- The shortlisted candidates shall be selected for the research internship program based on the performance in written test/interview.

#### Accommodation:

- Selected participants will be given accommodation in Institute guest house/hostel rooms (if available) with catering facilities.
- A limited number of rooms in NITK Guesthouses/Hostels are available on First Come and First Served basis. THE HOST INSTITUTION SHALL BEAR the boarding and lodging within the NITK premise only. If unavailable, the participants need to make self-arrangements for their stay outside the NITK premise, which the organizers do not bear. For the lowest fare of the train or bus, TA will be reimbursed.

### WHAT'S IN IT FOR YOU?

- You will get a chance to learn and enhance your skills in power electronics (including analytical design, simulation, control, technical writing, etc.).
- This program would facilitate the young talent to choose a career path in Science and Technology, at a later stage.
- **Certificate will be provided to the interns after the successful completion of the internship.**

#### ADDRESS FOR CORRESPONDENCE

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