

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 hands-on 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 Online Research Internship (Accelerate Vigyan - Vritika)

Title: Design and Development of Low-Cost Power Electronic Converters for Home Applications

Who can Apply:

- ❖ **Regular PG level (MTech/M.E./M.S)** students pursuing their degree from University / Institution within India (primarily from universities, colleges, private academic institutions).
- ❖ Specialization - Power Electronics/Electrical Drives/Power and Industrial Drives/Power Systems and related domains.
- ❖ Demonstrate strong research and analytical skills in previous professional and academic work.

How to Apply:

- ❖ **Step 1:** The candidate shall apply for the Internship program by filling the following Google form: <https://forms.gle/sCN73TmbRXoa8N7u9>
- ❖ **Step 2:** Take the print out the filled Google form (received in your registered email) and sign at the bottom of all pages.
- ❖ **Step 3:** E-mail the scanned copy of the signed registration form to prajof@nitk.edu.in
- ❖ Last Date for application/registration: **16th July 2021**
- ❖ List of selected students shall be announced on or before **22nd July 2021**

Details of Internship & Selection Process

- ❖ Duration – **01st Aug 2021 to 30th September 2021**
- ❖ Proposed Domain of Internship - **Power Electronic Applications in Electric Vehicles and Wireless Power Transfer System**
- ❖ Number of Interns Required – **05**
- ❖ Last Date for application/registration: **16th July 2021**
- ❖ List of selected students shall be announced on or before **26th July 2021**.
- ❖ Reporting date for the selected students – **28th July 2021 (online)**.
- ❖ 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.

WHAT'S IN IT FOR YOU?

- You will get a chance to learn and enhance your skills in power electronics (including analytical design, simulation, algorithm development and 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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