

## National Institute of Technology, Tiruchirappalli

### Department of Mechanical Engineering,

## Call for Internship Program (DST-SERB) – Physical Mode

### Title: Sustainable Energy-Efficient Green Ammonia Production by Plasma-Water Interface

#### Who can Apply:

- ❖ Regular undergraduate engineering (B.E./B.Tech) or postgraduate (M.E./M.Tech/M.Sc.) students pursuing their degree from AICTE/UGC-approved universities or institutions within India are eligible to apply.
- ❖ Specialization – Mechanical / Chemical / Energy and Environmental Engineering and related domains.
- ❖ The applicants must produce a letter of authentication from their 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 internship 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 demonstrated strong research and analytical skills in previous professional and academic work would be given preference.

#### How to Apply:

- ❖ The candidate shall apply for the Internship program by filling out the following Google Form:  
<https://forms.gle/52piq6vedy1wd3uw6>
- ❖ Please fill the above Google form with the requested details and upload the scanned copies of the certificate and no objection certificate (from HoD/Head of the institution) by **15<sup>th</sup> September** (Extended to **29<sup>nd</sup> September 2025**).
- ❖ The list of shortlisted students for the written test/interview shall be announced on or before **6<sup>th</sup> October 2025**.
- ❖ Tentative date of written test/interview (online mode): **13<sup>th</sup> October 2025**.

#### Details of Internship & Selection Process

- Duration: 15<sup>th</sup> October 2025 to 15<sup>th</sup> December 2025 (2 months)
- Number of Interns Required: 01
- Reporting venue for the selected student: NIT, Tiruchirappalli.

#### Selection process:

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

#### General Instructions:

- Selected student will be provided with a financial assistantship @Rs.5,000/month for 2 months only.
- Financial support for other activities like travel, boarding and lodging will not be provided.
- Selected intern will be accommodated in the Institute hostel rooms (if available) with catering facilities. However, the student intern should take care of the accommodation and food payment during his/her internship period.

#### WHAT'S IN IT FOR YOU?

- You will get a chance to learn and enhance your skills in the production of green ammonia and its application in UN SDGs goal (including design, simulation, optimization, handling of equipment and technical writing, etc.).
- This program would facilitate the young talent to choose a career path in Science and Technology at a later stage.
- Certificates will be provided to the intern after the successful completion of the internship.

#### Address for Correspondence:

**Dr. R. Anand**

Professor,

Department of Mechanical Engineering,

National Institute of Technology,

Tiruchirappalli – 620015, Tamil Nadu.

Email: [anandachu@nitt.edu](mailto:anandachu@nitt.edu)

Contact Number: +91 9444838909