

Department of Biotechnology

Organizing

Training and Skill Internship (VRITIKA) on

Upstream and Downstream Bioprocessing of Commercially Important Enzymes and Scale-Up Studies

About Institute

National Institute of Technology, Andhra Pradesh is one of the youngest NITs, established in the academic year 2015 – 2016 to nurture and produce highly competent engineers, scientists and entrepreneurs committed towards catering to futuristic societal challenges through holistic education synergetic with innovations and vibrant research eco-system. Currently the Institute is offering B. Tech. and Ph.D. program.

Department of Biotechnology

The Department of Biotechnology was established in 2015 with an objective to impart quality education and offer excellent research environment to motivate budding engineers, scientists and entrepreneurs. The department offers undergraduate B. Tech. in Biotechnology and Ph.D. (Full/Part Time). The major thrust areas include Bioprocess Engineering, Modelling and Simulation of Bioprocesses, Bioinformatics, Plant Biotechnology, Drug Delivery, Pharmacology, Environmental Biotechnology, and Nano-biotechnology.

Details of the Internship

- The Training and Skill Internship period shall be for 30 days in March 2024
- Last Date for application is 29th Feb 2024.
- The screening will be primarily based on the details (marks, letter of intent, CV, etc.) provided in the application form.
- List of selected students shall be mailed on 29th Feb 2024.
- Reporting date for the selected students: 1st March 2024 onwards

Target audience UG (4th year) / PG students of relevant Branches

No of Participants 5

Mode: Physical

Dates: 1st March 2024 preferably

To Reach NIT Andhra Pradesh

- **Reaching by Train:** The nearest stations to NIT ANP are Tadepalligudem (TDD, 1 km), Tanuku (TNKU, 20 kms), Eluru (EE, 50 kms), Rajahmundry (RJY, 50 kms), Vijayawada (BZA, 116 kms).
- **Reaching by BUS:** Tadepalligudem is well conducted from Vijayawada, Rajahmundry, etc.

About Vritika Program

VRITIKA is the call for initiation and practice in science through a Training and Skill Internship. This program aims to provide promising opportunities to UG/PG/Ph. D. students to exposure and hands-on research skill development experience. For more information about the VRITIKA program, please visit the website:

Preambles

To train the student in the fundamentals of Upstream and Downstream Bioprocessing of Industrially important enzymes and Scale-up concepts

- To educate the students with a design of expert (DoE)
- To train the students on scale-up concepts
- To train the students about downstream processing of fermentation-derived enzymes

Nature of Support

- The intern will be given for meeting daily necessary expenses such as stationery, consumables, accommodation (in hostels), food apart from traveling allowance (to-and-fro sleeper class tickets) as per norms of the funding agency.
- The period of the Training and Skill Internship shall be min. of 30 days.
- Certificate will be provided to the interns after the successful completion of training program.
- No stipend will be provided for the internship.

Documents

- Application form, No objection cum Bonafide from Head of Department/Institute, Letter of intent (express your interest), CV, Copy of Mark sheets and Institute I.D
- Mail the documents to ayothiraman@nitandhra.ac.in with a subject line **Application for VRITIKA**

For any Assistance

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