



Last date of submission of application - 10th May 2024

VRITIKA RESEARCH INTERNSHIP

on
Development of IoT enabled Smart Parking System

FUNDED BY

SCIENCE & ENGINEERING RESEARCH BOARD (SERB),
GOVT. OF INDIA, UNDER ACCELERATE VIGYAN SCHEME

ORGANIZED BY

DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING, NIT ROURKELA

'VRITIKA' is a call for scientific initiation and practice through training and skill internship. Through this internship, the programme seeks to foster a strong interest in scientific and engineering research as well as providing technical insight into the field of science and engineering. Organizations, institutes, and laboratories of national significance will largely facilitate these internships

WHO CAN APPLY

Final Year Undergraduate and Postgraduate

OBJECTIVES

Design of an IoT-enabled smart parking system for urban areas. This includes computer vision-based license plate detection, allotment of free parking space to vehicles, measuring the parking duration, and a parking payment system to make the driver's life easier and more convenient. A lightweight mobile App will be designed for the drivers to handle with ease and comfort and integration of the SPS module with the application.

NIT ROURKELA & CSE

NIT Rourkela, with excellence in academia, research, and innovation, cultivates a generation of global leaders driven by passion, commitment, and a vision to propel India to the forefront of technology and science. NIT Rourkela's Computer Science Department: Bridging theory and practice, shaping ethical professionals for the digital age

NATURE OF SUPPORT

Lodging, Food, Stationery, and Travel (to & from) costs will be met free of cost as per SERB norms.

SELECTION CRITERIA

- Academic achievement in university examinations (CGPA/percentage of marks).
- Participation in academic/co-curricular competitions and other awards/distinction
- Personal interview in online mode.

Note: Selected candidates will be notified through e-mail.

TERMS AND CONDITIONS

- Selected candidates shall attend the program physically. Attendance (100%) is mandatory.
- The interns should follow the institute's rules and regulations strictly.
- Accommodation shall be provided depending on the availability of rooms at the hostel.
- Interns will complete the assigned tasks and assignments timely.
- Submission of individual final reports at the end of the tenure is mandatory.
- It would be appreciable if candidates bring their own laptops.

DETAILS

- **Duration** : 20th May - 19th July
- **Venue** : CSE Department , NIT Rourkela
- **Number of Internships** - 04
- **Course completion certificate at the end of internship**

Chief Patron

Prof. K. Umamaheshwar Rao
Director, NIT Rourkela

Convener

Prof. Suchismita Chinara

Associate Professor

Department of
Computer Science
and
Engineering

Patron

Prof. BIBHUDATTA SAHOO

Professor & HOD

Department of
Computer Science
and
Engineering

Email - suchismita@nitrkl.ac.in | vipulhd001@gmail.com

Register at - <https://forms.gle/RHUR53L7oaS4aWLG6>