DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
NIT ROURKELA
Rourkela, Odisha, India, 769008

Inviting Applications for Vritika Research Internship
(Training and Skill Development Internship) Scheme 2023 -24

VRITIKA (Training and Skill Internship) on
Understanding blockchain and IPFS based secure data communication using various Tools

From 15 May'24 to 14th June'24

Total Participants: 04 (Only UG and PG Students)

About VRITIKA

'**VRITIKA**' is the call for initiation and practice in science through training and skill internship. This programme aims to provide opportunities to promising 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.

Programme Objective

The primary objective is to learn how a digital document verification takes place that is secure, effective, and has a limited access time using IPFS and Blockchain technology. In order to guarantee the trustworthiness and security of certificates, the system would make use of the decentralised and tamper-proof characteristics of IPFS and Blockchain. By requiring many parties to authorise transactions, multi-signature authentication will be used to increase system security. In order to guarantee that the verification procedure is finished within a given time range, the verification access time will also be restricted. The main application fields of block chain based document verification are as following: 1. Bitcoin and Crypto-currency 2. Blockchain in Healthcare 3. Application on Internet of Things (IoT). 4. Management of the Supply Chain and many more.

Registration Details and Selection Process

- There is **NO Registration FEE** for the participants.
- The event is limited to 04 (UG and PG) students only.
- Please scan the below QR code to fill out details and other supporting documents, including the NOC letter from the Supervisor or HOD or Head of the Institution/College.
- The selection of the eligible UG and PG students will be done based on the recommendations of the duly constituted selection committee of the host institute.
- Selection of interns are based on the sole discretion of the selection committee and recommendations from the selection committee is final.
- Only selected candidates will be informed by e-mail; therefore, the candidates must provide valid e-mail IDs while submitting the registration form.
- The selected candidates will have to acknowledge and accept the offer for participating in the Training and Skill Internship through return e-mail within 48 hours, failing which the waitlisted candidates may be called for the Training and Skill Internship.

Scan the QR code or click the following link for registration

https://forms.gle/AsG946Bh15jFeYHH7

For any other information/ queries regarding the internship, the candidates may reach the event organizer through email/phone as per the details given below

EVENT CORDINATOR:
Dr. Ramesh Kumar Mohapatra
Faculty in Department of CSE,
NIT ROURKELA,769008.
Ph: +91-8249061890
email: mohapatrark@nitrkl.ac.in

Interns—Eligibility Criteria

- Only the students pursuing either UG (Final year) or PG are eligible to apply. The candidate from all the branches of computer sciences or Electrical sciences working in the relevant area of specializations are eligible to apply.
- Good academic record in the relevant areas of specializations.
- The applicants must produce a "Recommendations Letter" from their Supervisor/ Head of the Department/ Head of the Institute indicating their association with the institute and "No Objection Certificate (NOC)' for participation in the Internship programme, if selected.

Nature of Support and other terms and conditions

- The supervisor to whom the interns are assigned would be assigning them tasks/ assignments as per the research modules designed.
- The intern should work accordingly and prepare a work report to be submitted after completion of the internship.
- Interns not completing the work within the requisite period will not be issued any certificate.
- Hostel accommodation with catering facilities and travel allowances may be provided to the candidates.
- The selected candidates shall be provided TA/DA/ Accommodation as per the terms and conditions of the funding agency.
- No stipend will be provided for the internship.
- Selected candidates shall attend the program physically. 100% attendance is mandatory.
- The intern should abide by the rules and regulations of the institution and laboratory protocols.

About the Department

The department was established with the vision to become a nationally acclaimed department of higher learning that will serve as a source of knowledge and expertise for the society. The department offers various UG and PG programmes with the mission to provide high-quality education that prepares the graduates for success in their professional practice and advance studies. The department also offers M. Tech in Computer Science, Information Security and Software Engineering; and Ph. D. for regular as well as sponsored candidates.

About NIT Rourkela

National Institute of Technology (NIT), Rourkela was founded as Regional Engineering College, Rourkela in 1961. It is a prestigious institute with a reputation for excellence at both undergraduate and postgraduate levels, fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied. The city of Rourkela is a bustling industrial city, cosmopolitan by nature and is well connected to all parts of the country by road and rail. The nearest airports are Ranchi, Kolkata and Bhubaneswar, which are well connected by trains. Please visit https://www.nitrkl.ac.in/About.aspx to know more about NIT Rourkela.