



Indian Institute of Information Technology Raichur

भारतीय सूचना प्रौद्योगिकी संस्थान रायचूर

INTERNSHIP BROCHURE

2021-2022



Training and
Placement Cell

VISION

“ IIIT Raichur is committed to providing an unparalleled learning experience to its students by disseminating practical knowledge, stimulating intellectual growth, and nurturing virtuous character by inculcating in them values of collaboration, creativity, and community service.”

MISSION

“ IIIT Raichur, from its very inception, has the philosophy of bringing positive changes in the lives of its students and thereby the society at large. The aim is to cultivate ingenuity, originality, and innovation in the students who are the future of this country.”



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ABOUT US



The Indian Institute of Information Technology, Raichur (IIITR) was established in 2019, as a center of academic excellence in the field of Computer Science and Information Technology.

Currently being mentored by the Indian Institute of Technology, Hyderabad (IITH), IIITR is an **Institute of National Importance**, formed under the Public-Private Partnership model, with contributions from MHRD, Government of India, and the Government of Karnataka.

With its highly esteemed & able faculty, modern curriculum, and a pioneering batch of bright-minded individuals, IIITR is an abode of creativity and innovation, ready to show the world what it is capable of.

> MESSAGE FROM MENTOR DIRECTOR'S DESK

Dear friends,

Indian Institute of Information Technology Raichur (IIIT Raichur) welcomes you to the Institute where excellence is nurtured.

We are proud of preparing dynamic leaders, who make a difference to the world, with the skills that are nurtured here for a better tomorrow. It is gratifying for IIT Hyderabad (IITH), which has completed 12 years, to nurture another Institute of National Importance. IIIT Raichur is one of the new IIITs established by the Ministry of Education (MoE), Government of India, located at Raichur, Karnataka state. IIIT Raichur has started its academic activity in August 2019 with its first batch of BTech in Computer Science and Engineering. The Government of Karnataka has handed over a land of 60 acres for the construction of the Permanent Campus at Raichur. IIIT Raichur offers a BTech program in Computer Science and Engineering with an intake of 30 students. It uses a Fractal Academic System, involving continuous evaluation of students, and more choices on subjects they want to pursue outside their core area. It has a well-defined curriculum with emphasis on the advanced courses starting from the first year itself, which lets the students stand on par with the emerging technologies in the field of Computer Science & Engineering. IIIT Raichur has 4 faculty and 55 students.



Prof. B S Murty

"Education is the most powerful weapon, which you can use to change the world."

– Nelson Mandela

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We are looking forward to long-term collaborations, to help us grow stronger. Industry-Research-Academia ties upon cutting-edge technologies are the key for the growth of the country. I am confident, IIIT Raichur will play its part proactively in this direction. Some of the students of IIITR have done internships with the organization of repute and brought accolades to the Institute. To enable the students to take up longer internships, we have revised the curriculum to allow the students with greater than 8 CGPA to do 6-7 months long internship during their 6th semester (Jan-July).

As a mentor institute, IITH is excited to render its expertise to the IIIT Raichur in all possible measures to make it a World-class Educational Institute. Going to be based on the land of historic importance, Raichur, I am sure, IIIT Raichur will emerge as the state-of-the-art institute and its students will deliver their best in industry, R&D and academics.

I wish all the best for IIITR's students in this year's placement.

Stay Safe & Stay Strong...

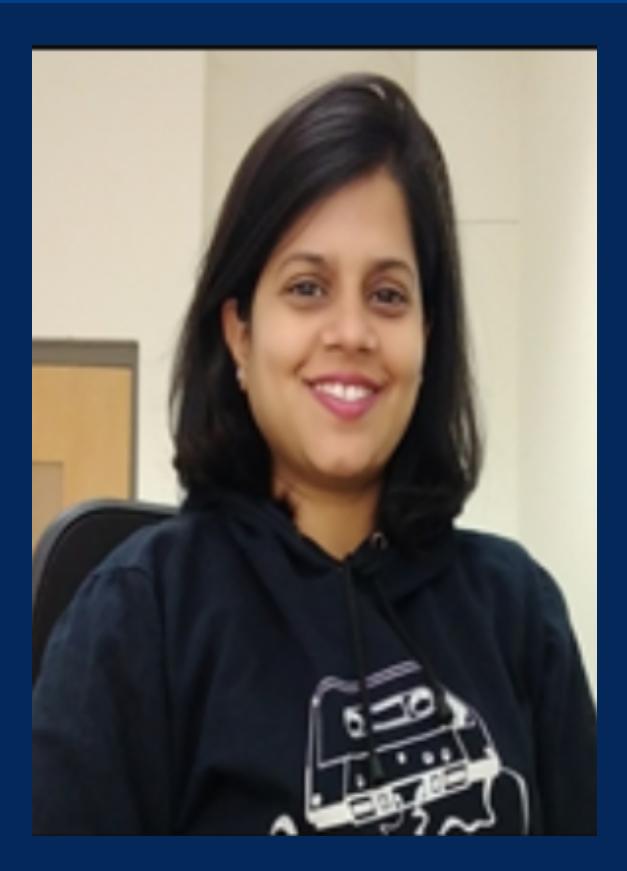
Warm Regards,

Prof. B.S. Murty
Mentor Director, IIIT Raichur &
Director, IIT Hyderabad

> MESSAGE FROM TPO

With a vision to become a globally recognized institute for its academic excellence and groundbreaking research and innovation, IIIT Raichur started its journey in 2019, under the mentorship of IIT Hyderabad.

The curriculum of IIITR Raichur, not only focuses on teaching technical courses but also on making the students industry-ready. The rigour in teaching, endeavor to excel in all facets, learning from top-notch researchers and academicians, and participating in extra co-curricular activities inculcate definite excellence in the students of IIIT Raichur. It is my pleasure to invite all the prospective employers and trainers from India and abroad to visit the campus for the internship process. I am sure you will witness the outcome of excellence in the teaching and learning environment created at IIIT Raichur. I look forward to your wholehearted support and engagement with us.





WHY RECRUIT US?

The Prodigious Curriculum and Academic System

- Being mentored by IITH, IIITR has adopted the **innovative fractal academics system**, which warrants continuous evaluation. This ensures a deeper understanding of the core subjects.
- The highly flexible curriculum forged by the esteemed faculty of IITH and IIITR exuberates innovation and inventiveness.
- With *core subjects being incorporated from the first semester itself*, the students can finish their courses quite early and focus on developing projects & industry-relevant skills.
- The institute offers to the students the opportunity for **summer internships** as well as **semester long internships**.

Industry-Relevant Work Experience

The students are working in different startups and tech giants from the first year, working in different fields like Data Science, Machine Learning, Web Development, Software Development, etc. They have been exploring various industry-relevant skills & technologies like Python, C++, Javascript, Flutter, Go, NoSQL, SQL, Django, Node, Vue, React, Docker, among others.

Industry-Based Internships





ACADEMICS

Academic program offered:

IIIT Raichur currently offers Bachelor of Technology (B.Tech) in Computer Science and Engineering (CSE).

Demographics:

CSE'23 Batch Strength - 28

Gender Ratio - 1:4

Curriculum

Semester 1

1. Calculus I
2. Calculus II
3. Intro to Programming
4. Digital Fabrication
5. Digital Logic Design
6. Digital Systems Design
7. Intro to AI
8. Intro to Computer Science
9. Liberal and Creative Arts Electives

Semester 2

1. Vector Calculus
2. Elementary Linear Algebra
3. Differential Equations
4. Intro to Life Science
5. Intro to Hardware Description Lang.
6. Discrete Structures
7. Intro to Data Structures
8. Independent Project
9. Professional Communication Skills

Semester 3

1. Intro to Probability
2. Data Structures
3. Operating Systems 1
4. Design and Analysis of Algorithms
5. Software Engineering
6. Principles of Programming Lang.
7. Computer Architecture
8. LA Electives

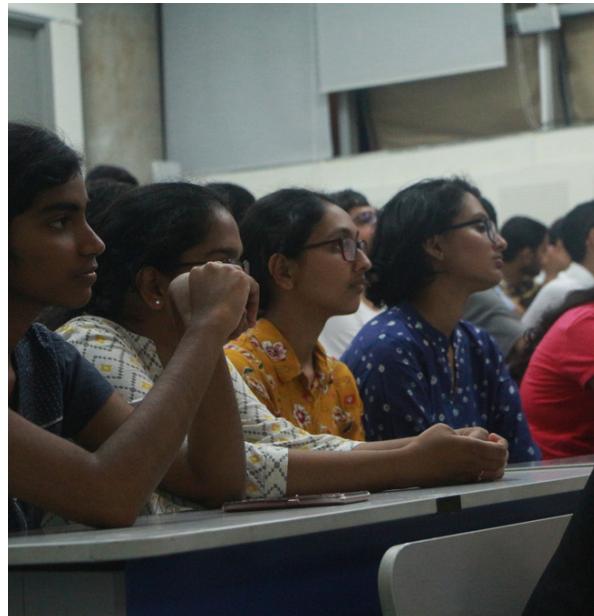
Semester 4

1. Theory of Computation
2. Operating Systems 2
3. Compilers and Programming Lang.
4. DBMS
5. Engineering Elective
6. LA Electives



EXTRACURRICULARS

Participating in extracurricular activities is a great way to meet new people, develop interpersonal skills, impart critical and creative thinking and strike a healthy balance between studies and social life. The institute comprises of various technical and cultural clubs which organize exciting events and activities to meet the varying interests of the students, and help them hone their existing skills, while also allowing them to pick up new interests.





Technical Clubs

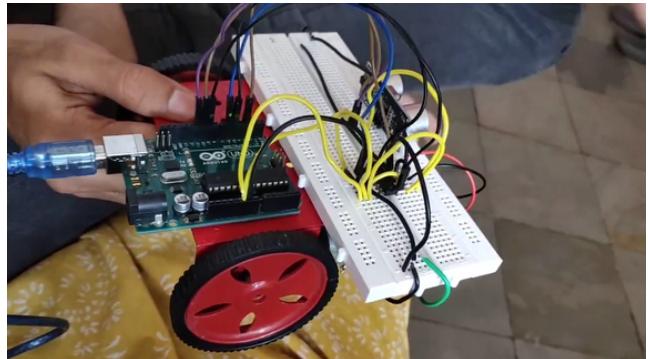


Electrogeeks

The electronics and robotics club of IIIT Raichur is one of the few clubs that started in the first year of the institute. The club focuses on developing solutions with the most advanced robotics and IoT theory.

Events :

- Battery Screw-Up
- Technovation



CodeSoc

Codesoc

The coding and developers club of IIITR was established in 2019. The main objective and focus of the club is to promote good coding and development practices among the student community. The club aims to encourage the brainstorming of impactful ideas, the exploration of various exciting technologies, and healthy collaborations on projects.

Even though the community is small, it consists of enthusiastic people who are always looking forward to learning new things, and collaborating on ideas.

Events :

- Introduction to GCP
- Codeup - Competitive Challenges



Cultural Clubs



Xposure

The Photography Club: Xposure, organizes various workshops, informative sessions, photo walks and contests to encourage and develop modern photographic skills in the students.



Events :

- PhotoWalks
- Sessions
- Photography Competition



Finesse

The cultural club: Finesse, focuses on developing a healthy culture among the students, staff, and faculty by organizing various exciting events at regular intervals.



Events :

- Carnatic Music Session
- Movie Screening
- Debates





NSO Club

The sports club of IIIT Raichur was established in 2019. The main objective of the club is to encourage involvement in sports and physical activity in order to mould healthier, safer, and prosperous communities. Our college provides various facilities for the students to develop their athletic and personal skills.

Events :

- Chess Tournaments
- Carrom Tournaments
- Volley Ball Competitions
- Cricket Matches
- Friendship Race



NSS Club

NSS Unit of IIIT Raichur started in the year 2019. The club has organized various events in collaboration with the NSS unit of IIT Hyderabad.

Events :

- Clean India Drive
- Swachhata hi Seva
- Plantation Drive
- Udaan
- Road Safety





EBSB Club

The EBSB club of IIIT Raichur aims at introducing students to various diverse cultures and traditions of India. The EBSB club was initiated in IIIT Raichur on 2nd January 2020. Since then, the club has been organizing various events every month.



Events :

- EBSB Exchange Program
- Poetry Competition
- Cooking Challenge
- Mandala Art Contest



Aurora

To maintain the good psychological well-being of students and faculty alike, Aurora, the counseling cell of IIITR has been set up in 2021. Since the inception of the institute, Sunshine: the counseling cell of IITH, has been handling the activities, reaching out to the students to provide social, mental, and academic help.





Types of Internships

We offer two kinds of Internships -

- 1) Summer Internships
- 2) Semester Internships

Particulars	Summer Internships	Semester Internships
Participants	UG Students	UG Students
CGPA Eligibility	Not Applicable	>8.0 (At the end of 4th Sem)
Duration	2 Months	6 Months
Hiring Phases	Fastrack & Rolling	Fastrack
Internship timelines	May - July (Between 6th and 7th Sem, max 8 weeks)	Jan - June (During 6th Sem)

Internship Process

- IIIT Raichur sends out invitations to the companies with relevant information.
- Companies register through the Internship Announcement Form.
- Student Coordinators are allocated as SPOCs for each company.
- The pre-hiring process including PPT, Written tests (Online/Offline, GD, etc.) is carried out by the companies.
- Students are selected and hired by companies through the rolling of offers.

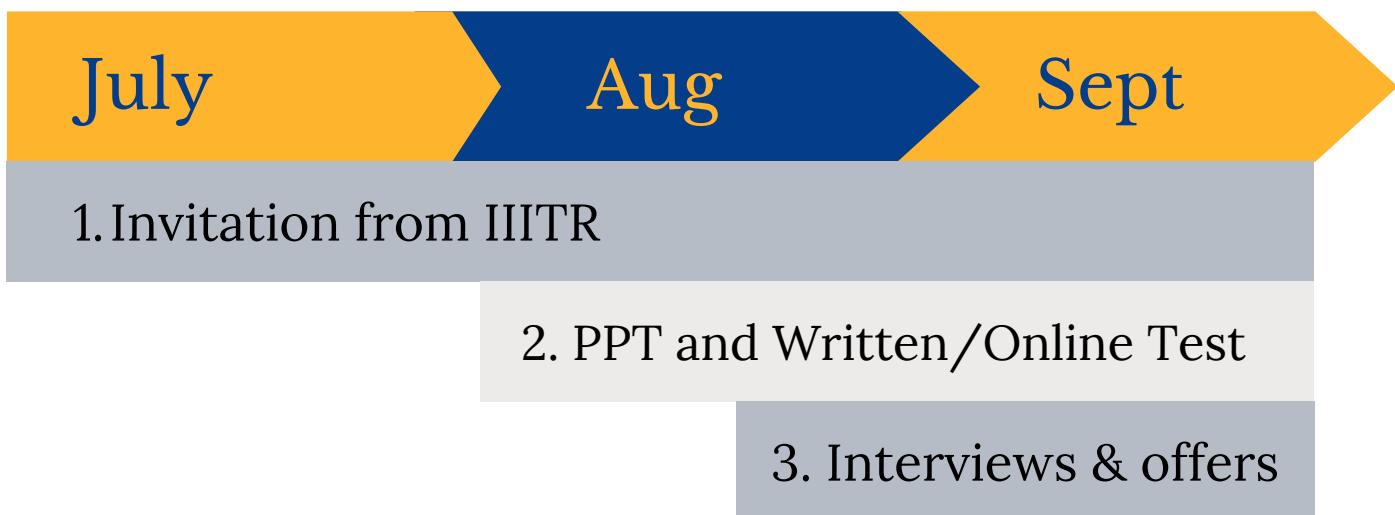


Internship Timeline

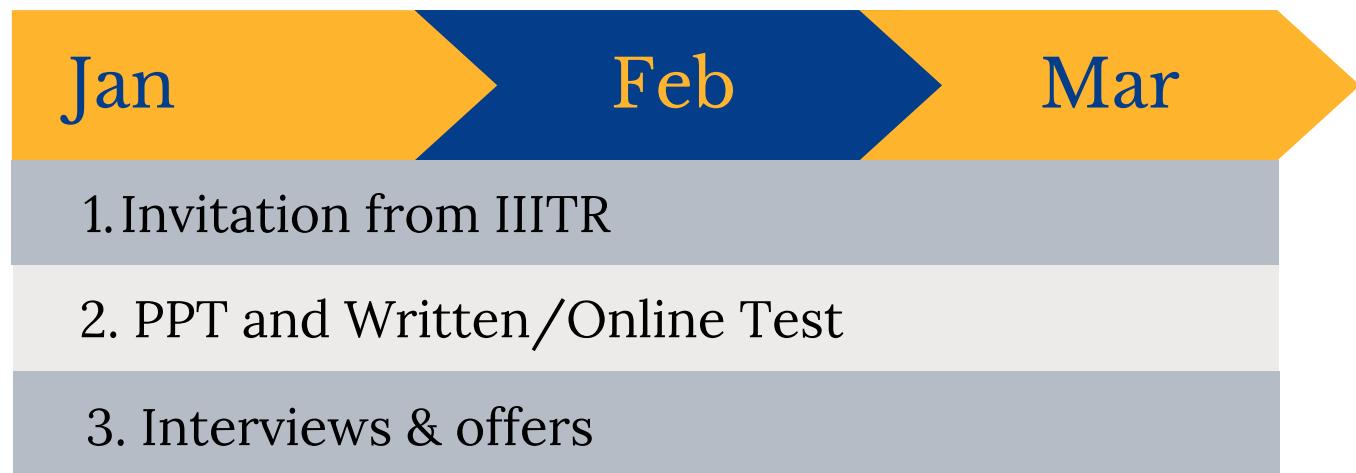


The internship process is carried out in two phases.
The timelines for the two phases are shown below :

Intern Hiring - Fastrack



Intern Hiring - Rolling





HOW TO REACH US

Address:

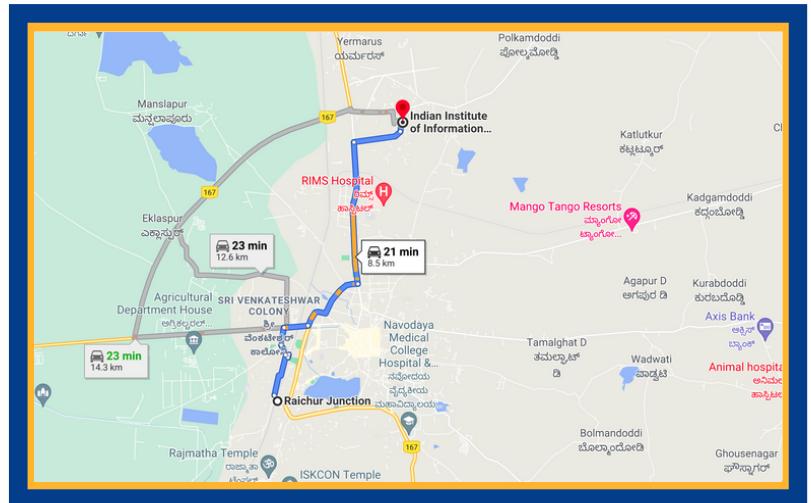
Indian Institute of Information Technology
Raichur, Near Govt. Engg. College Admin Block,
Raichur, Karnataka 584101

Phone No.:

+91 8768779475
+91 9024867454

Email: fic.placement@iiitr.ac.in

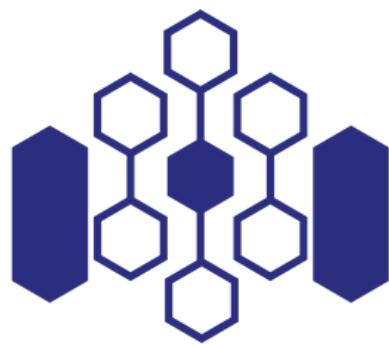
Website: tnp.iiitr.ac.in



CONTACT US

- **Sadhana Jha**
(Faculty In-charge)
Email: fic.placement@iiitr.ac.in
Ph: [+91 8768779475](tel:+918768779475)
- **Reethu Sanagala**
(Student Coordinator)
Email: tnp@iiitr.ac.in
Ph: [+91 8919239558](tel:+918919239558)
- **Aditya Agrawal**
(Student Coordinator)
Email: tnp@iiitr.ac.in
Ph: [+91 9785559273](tel:+919785559273)

Indian Institute of Information Technology, Raichur
Email: info@iiitr.ac.in



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Internship Brochure

2021 - 2022