



DR. SHYAMA PRASAD MUKHERJEE
INTERNATIONAL INSTITUTE OF
INFORMATION TECHNOLOGY
NAYA RAIPUR
CHHATTISGARH, INDIA- 493661



PLACEMENT BROCHURE

2022-2023



DR. SHYAMA PRASAD MUKHERJEE

**INTERNATIONAL INSTITUTE OF
INFORMATION TECHNOLOGY**

NAYA RAIPUR



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MESSAGE FROM **CHAIRMAN** (IACA)



CHAIRMAN (IACA)

Understanding the importance of healthy interaction between Institutions and Industry is critical for the growth of any institution. IIIT-Naya Raipur has constituted Industry Academia Collaboration Cum Advisory Committee (IACA). Since its inception, IACA has been instrumental in guiding corporate interface through intense industry connections and practices.

Our students are highly encouraged to undertake industry projects, presentations, case studies, research work and working as trainees to gain practical experience of industrial working environment. Making them ready for a successful professional career, we have undertaken special initiatives such as Pre-placement Training, Industry Academia Meet, Workshops and Seminars.

We are in the process of building significant international associations with renowned International Universities for internship and training, giving our students the much required global exposure.

From the moment of its inception, IIIT-Naya Raipur has witnessed an enthralling elevation in the field of technical excellence, research, development and industrial collaboration. We received an overwhelming response from the organizations where our students underwent internships and during the placements of the pioneer batch. The certification of our students as highly productive and industry ready assures us that the quality of the students coming out of the institute is as par with those from the best of academic institutes.

Being a new institute, IIIT-Naya Raipur is nimble & aggressively pursuing opportunities to collaborate with leading Indian & Multinational companies, Public sector organizations, Financial institutions and others. We highly value our partnership with the industry and remain committed to make your association with IIIT-Naya Raipur productive and positive. Our IACA team takes this opportunity to invite your esteemed organization to visit our campus for recruitment of our students. It will be a great privilege for us to welcome you at IIIT-Naya Raipur.

Mr. Sujit Bakshi

**President-Corporate Affairs and Head India Business
Tech Mahindra**

SUJIT BAKSHI, PRESIDENT-CORPORATE AFFAIRS AND HEAD INDIA BUSINESS, (TECH MAHINDRA)



Sujit Bakshi is an accomplished business leader with over 30 years of experience in the IT industry. A stalwart in the areas of people management, operations management, and corporate strategy, Mr. Bakshi is the President, Corporate Affairs Tech Mahindra. His track record includes being President - Global Operations, Customer Services and CEO, HCL Technologies (BPO Solutions and Services). Mr. Bakshi is a graduate of Presidency College, Kolkata, and holds a Master's Degree in Personnel Management from XLRI, Jamshedpur.

R S THAKUR, CHAIRMAN, (TAL MANUFACTURING SOLUTIONS LTD)

R S Thakur started his career in Union Carbide India Limited as Management Accountant but quickly moved to TATA Motors Limited. (Then TELCO) as Officer Trainee (Finance) in the plant at Jamshedpur where he spent 28 years heading the Finance function and then heading the Manufacturing Engineering function before moving to the Corporate office in Mumbai to head the Finance function concentrating on Financial restructuring, M & A, Treasury, and Business Planning. Then he moved to Tata Autocomp Systems Limited as MD and CEO, where he turned around the company decisively.



AQUIL BUSRAI, CEO (AQUIL BUSRAI CONSULTING)



Aquil Busrai has 45 plus years of industry experience in various HR roles. He was Executive Director-HR at Motorola, Director-Human Resources at Shell Malaysia, Managing Director of Shell People Services Asia Sdn Bhd, and Executive Director-Human Resources at IBM India Ltd. He is currently CEO of Aquil Busrai Consulting. A Gold Medallist from XLRI, Dr. Busrai is on the National Council of CII, ASSO-CHAM, SHRM, and on the board of several education institutes and Corporate. He is a visiting faculty at Berkeley EMP, UCLA PGPX, and IIMs in India. He is a fellow of the All India Management Association and Past National President of HRD Network.

RAVI VIJ, GROUP IT DELIVERY HEAD, (INDIA BUSINESS, TECH MAHINDRA)

Ravi Vij has 22 years of experience in Indian and Multinational Companies across the Automotive and Technology sectors. He is a Fulbright Nehru Research Fellowship Scholar from Carnegie Mellon University. He has completed his Bachelor of Mechanical Engineering from Nagpur University and Advanced Accelerated Management Program from Harvard Business Publishing. Mr. Vij is also engaged in the incubation of a new business venture in the healthcare manufacturing and services area as an entrepreneur. Currently, he is working with Tech Mahindra as Group IT Delivery Head-India Business and has globally lead the P&L for Business Transformation Services functions.



MESSAGE FROM DIRECTOR (IIIT-NR)



DIRECTOR (IIIT-NR)

“

The institute firmly believes and strives hard to impart knowledge and entrepreneurial skills to its students to enable them to address real world problems with ease.

”

IIIT-Naya Raipur, a recent addition to the IIITs of India, is committed to pursuing excellence in creating highly successful professionals in IT and associated disciplines. In a short span of two years of its existence, it has created a respectful position for itself, which is obvious from the year-on-year improvement in the quality of students admitted to this Institute.

The Institute firmly believes and strives hard to impart knowledge and entrepreneurial skills to its students to enable them to address real-world problems with ease. To empower this vision, in addition to one of the best academic cultures, we nurture a campus culture that fosters the highest standard of professionalism in the students. The Institute offers high academic standards through unique knowledge dissemination pedagogy, creative projects, industry interactions, and innovation at all levels. Every UG student goes through a process of assimilating theory with experimental learning by undertaking five research/design projects during the UG program.

Additionally, we create a competitive environment by encouraging our students to actively participate in national and international level events such as ACM-ICPC, HULT Prize, CodeChef, HackerRank, etc. Students develop requisite soft skills that are necessary to excel in industry work culture by participating in various extra-curricular activities. They are kept updated on the latest technology trends through regular Industry-Academia Meet and Corporate Lecture series. All these avenues help in developing our students as confident professionals who are bound to succeed wherever they go.

Dr. P. K. Sinha

Director

International Institute of Information Technology, Naya Raipur



TCC IN-CHARGE

“

IIIT NR is gearing to build world class human resource with an expectation to play a lead role in organisations

”

Dear Recruiter,

The Training and Career Cell (TCC) is pursuing a sustained effort to provide a platform to facilitate interaction between students and organizations so that both can find the best fit as per their aspirations and requirements. Trained on a rigorous curriculum, with the motto 'skill first, theory next, and application later', graduates from IIIT Naya Raipur are likely to play a significant role in the organization on various front.

Harnessing skills on the modern technologies with a focus on holistic development of our students, IIIT NR is gearing to build world-class human resources with an expectation to play a lead role in organizations like yours wanting to be internationally competitive in terms of products, services, and technology.

Our students have continuously been able to display their talent and skill in their fields of study and co-curricular activities. Many of the students have visited foreign universities of repute to widen their knowledge and experience.

Our placement portal is an initiation point of our interaction where all the requisite information has been furnished. We would welcome all your queries related to internships and recruitment at IIIT NR. We also look back for your feedback for improvement in our placement process.

If you are interested in our students, profile and want to make an early Pre Placement Talk, do let us know about the preferred date.

I take this opportunity to invite you for placements to IIIT-NR and assure you of an excellent recruiting experience.

Welcome to IIIT Naya Raipur!

Dr. Amit Kr. Agrawal

Head, Training and Career Cell Office

**International Institute of Information Technology,
Naya Raipur**



Dr. Shyama Prasad Mukherjee International Institute of Information Technology Naya Raipur (IIIT-NR), established by the International Institute of Information Technology University Act, 2013 of the Government of Chhattisgarh, is a joint venture by Chhattisgarh State Government and National Thermal Power Corporation (NTPC).

The institute is committed to pursuing excellence in higher education, research, and development in Information Technology (IT) and associated disciplines. It firmly believes in bestowing knowledge dissemination and imparting entrepreneurial skills to the students to enable them to address real-world problems. To empower this vision, IIIT-NR fosters state-of-the-art research and product development laboratories to carry out interdisciplinary research and product

IIIT-NR's fifty-acre residential campus is located in the newly developed smart city of Naya Raipur, approximately 23 km from the city of Raipur. The vibrant, lush green campus of IIIT-NR is enabled with Wi-Fi connectivity, CCTV surveillance, and excellent amenities for sports and other recreational activities.



VISION

To Create an Institute of Excellence
in IT Education and Research for
Meeting the Emerging and
Challenging needs of the Society.

- Fully residential campus with state-of-the-art infrastructure.
- Industry driven curriculum with a focus on fostering innovation and entrepreneurship among students.
- Focus on teaching, research and consultancy.
- Equipped with e-enabled teaching and learning facilities.

- Established as a University by the Govt. of Chhattisgarh.
- Recognised by UGC as State University.
- Guided by a highly eminent Board.
- Located in the capital of Chhattisgarh with good connectivity.



MISSION

Produce High Quality
IT Professionals and
Foster Technological
Innovation for Social Upliftment.

MILESTONES ACHIEVED



- Dataquest Ranks IIIT-NR in top 6: IIIT-NR ranked 6th in the list of India's Best 100 Tech-Enabled Engineering Institutes by Dataquest in its December 2020 edition. The institute also bagged the fifth position in the Top Government Institutes who participated in the survey.
- Approval from National Service Scheme (NSS): IIIT-NR has got approval from the state National Service Scheme (NSS) authority.
- Approval by University Grants Commission: IIIT-Naya Raipur received University Grants Commission (UGC) recognition vide letter No. F9-24/2017(CPPI PU) dated December 28, 2017.
- Approval by AICTE: After a lengthy process involving rigorous scrutiny and several rounds of interactions by their Expert Visiting Committee (EVC), AICTE has approved IIIT-NR's UG and PG programs.
- IIIT-NR achieved a 4-star rating in MHRD IIC rating for the year 2019-20: IIIT-NR's Institute Innovation Council has achieved a 4 Star Rating in the recent ranking released by the Ministry of Education.
- Pioneer in Central India to start B. Tech. and M. Tech. in Data Science and Artificial Intelligence: The institute took a pioneering step in 2019 to start B. Tech. and M. Tech. programs in one of the fastest emerging technology areas, DSAI (Data Science and Artificial Intelligence).

OBJECTIVE

To promote research and innovation in this highly promising area, IIIT Nava Raipur has setup a 5G testbed in its CoE. The CoE has been established in line with Govt. of India's goal to build indigenous testbeds that closely resemble real-world 5G deployments.

LAB FACILITIES & EQUIPMENTS

This 5G waveform generation and analysis reference solution combine hardware, software and measurement expertise providing the essential components of a flexible 5G waveform generation and analysis test platform. The reference solution enables engineers and researchers to generate and analyze a variety of 3GPP 5G NR waveforms at RF, centimeter-wave, and millimeter-wave frequencies with modulation bandwidths of up to 2 GHz, with an emphasis on 5G 3GPP NR activity in the 28 GHz and 37 - 39 GHz bands. 5G testbed includes Signal Analyzer (2 Hz to 50 GHz), Vector signal generator (250 kHz to 44 GHz), Arbitrary Waveform Generator (14 Bit / 8GSa/s and 12 Bit / 12 GSa/s), Oscilloscope (1 GHz 4 channel) and other basic facilities. IIITNR has also developed the anechoic chamber for characterization, configurable software like SystemVue, MATLAB, and Labview. It also has Multi GPU SMP Server to incorporate machine learning applications in communication. This will encourage Indian startups and industries to take an early lead in 5G technology. This testbed is first of its kind not only in Chhattisgarh but in Central India. IIIT-NR is now among the few premier institutions in India like IIT-Madras, IISc Bangalore, IIT-Kanpur, IIT-Delhi, IIT-Hyderabad and SAMEER-Mumbai, which have their own 5G testbed.

KEY ACHIEVEMENTS

Conducted workshop on :

- Robotics & Artificial Intelligence using MATLAB, March 4-6, 2020
- Evolution of Cognitive Radio Networks and Its Relevance in 5G: From Theory to Practice, Jan 23-26, 2020
- Workshop on Cognitive radio, Aug 5-7, 2019
- Physical Layer Techniques of 5G Wireless Communication, May 7-11, 2018

Participated in telecommunications standards development society (TSDSI), India.

Submitted project proposal worth more than 10 crore :

- NM-ICPS with IIIT Bangalore, IIT Hyderabad, IIT Bhilai, Advanced Communication System
- Meity with IIT Patna, Design & Development of Energy-Aware 3D-MIMO with Massive Antennas for 5G Enhanced Mobile Broadband using Machine Learning algorithm
- SERB, Joint parameter estimation and symbol detection in OFDM based IoT Networks: Machine Learning based approaches

Submitted proposal to conduct workshop in high reputed international conference :

- Orchestration of 5G Network & beyond using Machine Learning (O5ML 2020) in conjunction with WCNC, April 6-9, 2020

Collaborate with external Industry and academia in India & abroad :

- IIT, IIITs
- University College Dublin



To facilitate global outreach activities, IIIT-NR has collaborated with many international and national institutes and organizations like Louisiana State University, Baton Rouge, Louisiana, USA, MaGIC (Malaysian Global Innovation and Creativity Center), Malaysia to foster and promote entrepreneurship culture among students. The institute has also signed MoUs with:

- Chhattisgarh State Planning Commission
- Microsoft Research, Bangalore
- Centre for Development of Advanced Computing (C-DAC), Pune
- Indra Gandhi Krishi Vishwa Vidhyalaya (IGKV), Raipur
- Go Vivace Research and Software Services, Hyderabad
- Farm Guide, Sohna Road, Gurgaon
- TalentSprint

- Skill First, Theory Later, Projects Integrated
- First four semesters common to both CSE & ECE.
- Fractal Academics
- Engineering courses right from First semester instead of 12th ++ courses in First year.
- Industry-linkages
- Professional skills development in addition to technical skills.

Projects Integrated Model :



- Fosters project-based learning
- Allows learning by application of theory
- Enables development of both soft skills + technical skills required for project execution.
- B. Tech. students have to do four mini-projects of 2 credits each in 5th, 6th, and 7th semesters and one major project of 6 credits in the 8th semester.
- A student can do the same project from 5th to 8th semester for increased depth, or different projects for increased breadth.



Lectures, guest lectures, assignments, tests, and more lectures! A day that typically starts from 8'O clock in the morning does not fail to keep the students on their toes throughout the day. But there's more to life at IIIT Naya Raipur than just its academic rigor.

Sports competitions, cultural and literary events, movie sessions – these would be engineers who know how to unwind themselves and celebrate life as well! Located in India's first Green Smart City, the campus of IIIT Naya Raipur offers unfettered access to nature amidst which these budding engineers strive to reach the zenith. If major projects, tutorials, simulations, and industry interactions serve to supplement the engaging lectures from some of the finest professors around, the various committees and the multitude of clubs and special interest groups provide ample opportunities to the students for developing and honing their skills and interests. The year-round activities that witness the involvement of all the students with tremendous zeal and gusto foster the extension of the ambit of their experiences as well as shape them into well-rounded individuals.

To be one of the newer members of the IIIT family has its own advantages. There are endless opportunities all around! As the engineers of the future transform these opportunities into realities, they discover the leader in them.

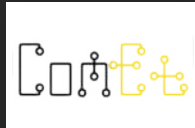
TECHNICAL CLUBS



TSoC
Coding Club



AIML
AIML Club



COMET
Electronics Club



TECH4GUD
Tech4Gud



CIPHERCELL
Cybersecurity Club

CULTURAL, LITERARY & SPORTS CLUBS



INDRADHANUSH
Art Club



CAPRICCIO
Music Club



SHUTTERBUG
Photography Club



CLUB DE THEATRE
Drama Club



C2C
Literary Club



IGNITERS
Dance Club



TAKE DA BAIT
Debate Club



ATHARV
Sports Club



STUDENT SOCIETIES



E-CELL

E-Cell aims to empower undergraduate students to create and build businesses around their vision of a better world. Encourages young minds to be job creators by inculcating entrepreneurial skills.

NSS provides an opportunity to the students to take part in various government led community service activities & programs. The sole aim of the NSS is to provide hands-on experience to young students in delivering community service.



NSS



TEDX IIIT-NR

At TEDxIIITNayaRaipur, we celebrate the spirit of human connectedness. We invite the community to join us on an exhilarating expedition through thought-provoking ideas from the minds of our innovative speakers.

IEEE Student Branch, IIIT Naya Raipur provides IEEE Student members a networking opportunity to meet and learn from fellow students, as well as faculty members and professionals in the field to share their interests, future professions, and ideas.



IEEE STUDENT BRANCH



EVENTS



TECHNOVATE



SCInTFIC



E-SUMMIT



AARAMBH

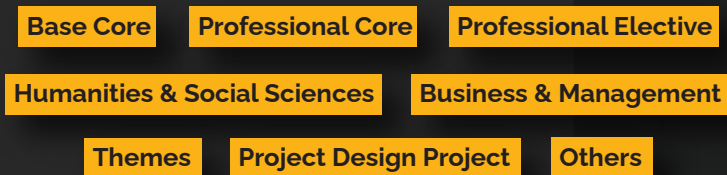


IIITNR runs three undergraduate programs: B.Tech in Data Science & Artificial Intelligence (DSAI), B. Tech. in Electronics & Communication Engineering (ECE), and B.Tech in Computer Science & Engineering (CSE). Apart from that, IIIT-NR is also having masters and doctoral courses running for their students. These credit-based programs are designed to foster core skills with innovation and entrepreneurship skills among students. The dynamic structure of the curriculum orchestrates with the changing needs of industry and academia. IIIT-NR also runs doctoral programs, as mentioned in the table below.

LEVEL	PROGRAM	DURATION
Undergraduate	B.Tech (DSAI)	4 years
	B.Tech (CSE)	4 years
	B.Tech (ECE)	4 years
Masters	M.Tech (CSE)	2 years
	M.Tech (ECE)	2 years
Doctoral	Ph. D. (CSE)	
	Ph. D. (ECE)	
	P.hD. (BASIC SCIENCE & HUMANITIES)	

The curriculum has been designed in such a manner that it focuses on encouraging skill-building, innovation, and entrepreneurship among students. After two years i.e., from the 5th semester, all the students of IIIT-NR undertake interdisciplinary research and industrial projects under the supervision of faculty or industry.

To enable 360-degree education, the courses defined comprise various elements which not only impart necessary technology skills and entrepreneurship skills but also guide the students into becoming a true professional for the connected world. The offered courses are classified under the following heads :



Along with the required coursework, all B. Tech. students have to undertake at least one Product Design Project (PDP). This is project work equivalent to 3 courses, spread over 1 to 3 semesters as chosen by the student, and shall begin after the 4th semester. The project work may be carried out off-campus in an industry or R&D institution, in an in-house research lab, in an incubator (on or off campus), among others.

COURSE STRUCTURE

1st Semester

- Discrete Mathematics
- Linear Algebra & Matrix Analysis
- Data Analytics
- Intro to Programming
- Digital Logic Design
- Sensors & Actuators
- Environmental Engg. & Science
- IT Workshop-I
- International Language Competence

2nd Semester

- Calculus
- Optimization Techniques
- Statistics
- Object Oriented Programming-I
- Digital Signal Processing
- Introduction to AI and ML
- Introduction to IoT
- IT Workshop-II
- Communication and Discourse Strategies
- 3D Printing

3rd Semester

- Random Process
- Graph Theory
- Operating System-I
- Data Structures and Algorithms
- Database Management System-I
- Computer Organization
- Object Oriented Programming-II
- Embedded Systems-I
- Communication System

4th Semester

- Computer Architecture
- Design and Analysis of Algorithms
- Statistical Data Analysis
- Operating System-II
- Database Management System-II
- Computer Networks
- Machine Learning Algorithms
- Cloud Computing
- Minor Project-I

5th Semester

- Deep Learning
- Formal Languages and Automata Theory
- Cryptography
- Software Engineering
- Professional Elective-I
- Open Elective-I
- Minor Project-II

6th Semester

- Compiler Design
- Professional Elective-II
- Professional Elective-III
- Open Elective-II
- Open Elective-III
- Minor Project-III

7th Semester

- Industry 4.0
- Professional Elective-IV
- Open Elective-IV
- Open Elective-V
- Minor Project-IV

8th Semester

- Major Project

ELECTIVES

- Entrepreneurship
- AI in Fault Diagnosis
- Financial Mathematics
- Computer Vision
- Digital Image Processing
- Digital Marketing
- Big Data Tools & Techniques
- Software Defined Networking
- ML in Communication Networks
- Secured Blockchain Network
- Hardware Security
- Predictive Analysis
- NLP
- Quantum Computing

COURSE STRUCTURE

1st Semester

- Discrete Mathematics
- Linear Algebra & Matrix Analysis
- Data Analytics
- Intro to Programming
- Digital Logic Design
- Sensors & Actuators
- Environmental Engg. & Science
- IT Workshop-I
- International Language Competence

2nd Semester

- Calculus
- Optimization Techniques
- Statistics
- Object Oriented Programming-I
- Digital Signal Processing
- Introduction to AI and ML
- Introduction to IoT
- IT Workshop-II
- Communication and Discourse Strategies
- 3D Printing

3rd Semester

- Random Process
- Graph Theory
- Operating System-I
- Data Structures and Algorithms
- Database Management System-I
- Data Preprocessing
- Statistical Learning Theory
- Representation Learning
- Communication System

4th Semester

- Reinforcement Learning
- Control Systems
- Statistical Data Analysis
- Introduction to Robotics
- Design and Analysis of Algorithms
- Computer Networks
- Machine Learning Algorithms
- Minor Project-I

5th Semester

- Deep Learning
- Robot Kinematics and Dynamics
- Optimization Methods in ML
- Computer Vision
- Professional Elective-I
- Open Elective-I
- Minor Project-II

6th Semester

- Big Data- Tools and Techniques
- Professional Elective-II
- Professional Elective-III
- Open Elective-II
- Open Elective-III
- Minor Project-III

7th Semester

- Industry 4.0
- Professional Elective-IV
- Open Elective-IV
- Open Elective-V
- Minor Project-IV

8th Semester

- Major Project

ELECTIVES

- Entrepreneurship
- AI in Fault Diagnosis
- Financial Mathematics
- Cryptography
- Digital Image Processing
- Digital Marketing
- Software Defined Networking
- ML in Communication Networks
- Secured Blockchain Network
- Hardware Security
- Predictive Analysis
- NLP
- Quantum Computing

COURSE STRUCTURE

1st Semester

- Discrete Mathematics
- Linear Algebra & Matrix Analysis
- Data Analytics
- Intro to Programming
- Digital Logic Design
- Sensors & Actuators
- Environmental Engg. & Science
- IT Workshop-I
- International Language Competence

2nd Semester

- Calculus
- Optimization Techniques
- Statistics
- Object Oriented Programming-I
- Digital Signal Processing
- Introduction to AI and ML
- IT Workshop-II
- Communication and Discourse Strategies
- 3D Printing

3rd Semester

- Random Process
- Differential Equations
- Operating System-I
- Data Structures and Algorithms
- DBMS-I
- Electronic Circuits
- Network Analysis
- Embedded Systems-I
- Communication System
- Physics for Semiconductor Devices

4th Semester

- Analog Electronics
- Control Systems
- Digital Electronics
- Embedded Systems-II
- Telecommunication Switching & Networks
- Digital Communication Techniques
- Machine Learning Algorithms
- Digital Filter Design
- Minor Project-I

5th Semester

- Microelectronics
- Electromagnetic Field Theory
- VLSI Technology & Design
- Wireless Comm.
- Professional Elective-I
- Open Elective-I
- Minor Project-II

6th Semester

- Information Theory and Coding
- Professional Elective-II
- Professional Elective-III
- Open Elective-II
- Open Elective-III
- Minor Project-III

7th Semester

- Industry 4.0
- Professional Elective-IV
- Open Elective-IV
- Open Elective-V
- Minor Project-IV

8th Semester

- Major Project

ELECTIVES

- Entrepreneurship
- AI in Fault Diagnosis
- Financial Mathematics
- Cryptography
- Digital Image Processing
- Deep Learning
- Optimization Methods in ML
- Computer Vision
- Robotics Kinematics and Dynamics
- Digital Marketing
- Big Data Tools & Techniques
- Software Defined Networking
- ML in Communication Networks
- Information Theory & Coding

- Optical Fibre Communication
- VLSI Interconnects and Nanotechnology
- VLSI Physical Design
- AI in Circuit Design
- VLSI Testing & Fabrication
- Quantum Computing

M.Tech. CSE Specializations:

- 1) Data Science and Artificial Intelligence
- 2) Information Security

M.Tech. ECE Specializations:

- 1) VLSI and Embedded Systems
- 2) Communication and Signal Processing

ELECTIVES (CSE)**1st Semester**

- Soft Computing
- Ethical Hacking

2nd Semester

- Predictive Analysis
- Big Data Tools and Techniques
- Natural Language Processing
- Quantum Computing
- Software Defined Networks
- Hardware Security
- Secured Blockchain Networks

ELECTIVES (ECE)**1st Semester**

- Advanced Embedded Systems

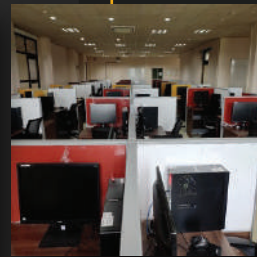
2nd Semester

- VLSI Physical Design
- VLSI Interconnects & Nanotechnology
- Hardware Security
- Quantum Computing
- VLSI Testing and Fabrication
- Optical Fiber Communication
- AI in Circuit Design
- Machine Learning in Communication

STATE OF ART LAB FACILITIES

IIIT-NR has set up state-of-the-art labs with the latest hardware and software tools in cutting-edge technology areas. Some of these labs are:

- Data Science Lab
- Antenna and Microwave Circuit Design Lab
- Electronic Circuits Lab
- Networks Design & Analysis Lab
- Communication Systems Lab
- VLSI & Embedded Systems Lab
- Artificial Intelligence and Deep Learning (AIDL) Lab
- IOT & Sensors Lab
- 5G Test Lab



PROJECT FUNDING/ PAPERS PUBLISHED

PROJECT NAME	FUNDING AGENCY	AMOUNT
AI and IOT based Automated Thermal Scanning and alarming system using Android mobile Phone	Chhattisgarh Council of Science and Technology	2.20 Lakhs
Deep vision based video analysis for contact less office attendance and entry.	Chhattisgarh Council of Science and Technology	3.95 Lakhs
Resilience Strategies against Covid-19 Pandemic Adopted by Micro, Small and Medium Enterprises (MSMEs) in Chhattisgarh	State Planning Commission, Chhattisgarh	4.86 Lakhs
Tribe Connect: Integrated Smart Tribal Eco Platform - A Proof of Concept in Chhattisgarh	MeitY (Ministry of Electronics and Information Technology)	210 Lakhs
Smart Agriculture for Tribes using Artificial Intelligence and Big Data	MeitY (Ministry of Electronics and Information Technology)	70 Lakhs
AI and IoT Based UAV System for Crop Health Monitoring and Forecasting	Young Scientists and Technologists (SYST), DST	24 Lakhs
Identification of Diseases in Millet Crop using Deep Learning for Next Generation Climate Smart Agriculture	SERB (DST) under EMEQ	25.62 Lakhs
Real-Time Detection, Classification and Remedy of Invasive Insects in Soybean Crop Through Deep Learning Technique	CRS scheme TEQIP-III, RGPV, under NPIU, MHRD	3 Lakhs
Use of AI and Deep Learning in Identification of Major Disorders Important Crops	Indira Gandhi Agriculture University (IGAU), Raipur (CG)	1 Lakh
Use of Block Chain to Assure Quality of Farm Inputs (Seed, Planting Material, Fertilizer Etc)	Indira Gandhi Agriculture University (IGAU), Raipur (CG)	2 Lakhs
Energy efficient implementation of Multi-modular Exponential techniques for Public-key Cryptosystems	Interdisciplinary Cyber Physical Systems (ICPC), DST of India	35 Lakhs
Technical verification on "School Hardware supplied under ICT Project Chhattisgarh"	Samagra Shiksha department	100 Lakhs

YEAR-WISE PUBLICATIONS

Total no. of publications	2020	2019	2018	2017	2016	2015
Journal	28	17	19	13	02	-
Conferences	18	31	17	06	03	01

COMPUTER SCIENCE ENGINEERING

- Dr. Ruhul Amin, Assistant Professor, Ph.D, IIT ISM Dhanbad
- Dr. Srinivas Naik, Assistant Professor, Ph.D, CUH
- Dr. Vivek Tiwari, Assistant Professor, Ph.D, NIT Bhopal
- Dr. Venkanna U., Assistant Professor, Ph.D, NIT Trichy
- Dr. Santosh Kumar, Assistant Professor, Ph.D, IIT BHU
- Dr. Satyanarayana Vollala, Assistant Professor, Ph.D, NIT Trichy

ELECTRONICS & COMMUNICATION ENGINEERING

- Dr. Rajarshi Mahapatra, Associate Professor, Ph.D, IIT Kharagpur
- Dr. Abhishek Sharma, Assistant Professor, Ph.D, IIT Guwahati
- Dr. Anurag Singh, Assistant Professor, Ph.D, IIT Guwahati
- Dr. Bipin Chand Mandi, Assistant Professor, Ph.D, IIT Kharagpur
- Dr. Debanjan Das, Assistant Professor, Ph.D, IIT Kharagpur
- Dr. Deepika Gupta, Assistant Professor, Ph.D, IIT Indore
- Dr. Lakhindar Murmu Assistant Professor, Ph.D, IIT Kharagpur
- Dr. Maifuz Ali, Assistant Professor, Ph.D, IIT Kharagpur
- Dr. Manoj Majumdar, Assistant Professor, Ph.D, IIT Roorkee
- Dr. Shrivishal Tripathi, Assistant Professor, Ph.D, IIT Jodhpur

MANAGEMENT

- Dr. Amit Kr. Agrawal, Assistant Professor, Ph.D, IIT Roorkee

PHYSICS

- Dr. Punya P. Paltani, Assistant Professor, Ph.D, BIT Mesra

ENGLISH

- Dr. Sresha Yadav, Assistant Professor, Ph.D, IIT Roorkee

MATHEMATICS

- Dr. Mithilesh Chaube, Assistant Professor, Ph.D, IIT BHU
- Dr. Ramakrishna Bandi, Assistant Professor, Ph.D, IIT Roorkee
- Dr. Kuldeep Singh Patel, Assistant Professor, Ph.D, IIT Delhi

VISITING FACULTY

- Dr. S.V. Raghvan, Professor, IIT Madras
- Dr. S.K. Gupta, Professor, IIT Delhi
- Dr. L.M. Patnaik, Professor, IISc Bangalore
- Dr. Subhash Ganguly, Assistant Professor, Ph.D, NIT Raipur
- Dr. Sheshadri Chatterjee, Microsoft Corporation, Asia Pacific
- Dr. Summet Gupta, Associate Professor, IIM Raipur
- Dr. Amrita Mishra, Assistant Professor, Ph.D, IIT Kanpur
- Dr. Dilip Singh Sisodia, Assistant Professor, NIT Raipur
- Dr. Rajiv Dey, Assistant Professor, NIT Raipur
- Dr. Ashish Kumar Srivastava, Professor, Pt.RSSU
- Dr. Jaya Rathor, Assistant Professor, Pt. RSSU



Goldman Sachs

amazon



PRISM



BRANE ENTERPRISES



Xu Lab



SOME PAST INTERNSHIPS

 Microsoft Morgan Stanley NVIDIA amazon Google Summer of Code UNIVERSITY OF
SOUTH CAROLINA Stanford
University TensorFlow UNIVERSITY OF
CALGARY NUS
National University
of Singapore UNIVERSITY
OF MALAYA KING'S
COLLEGE
LONDON Queen Mary
University of London University of
Nottingham
UK · CHINA · MALAYSIA IIT BOMBAY IIM
BANGALORE Indian Institute of Technology Madras

PLACEMENT (BATCH 2018-22)

 **JUSPAY**

**Code
Nation**


**AMERICAN
EXPRESS**


bigbasket

 **PharmEasy**


HYPERVERGE

Deloitte.

media.net

KPMG

ZEISS

 **Gameskraft**

 **CYWARE**

IBM

 **Capgemini**

 **Apra Labs**

celigo

 **BlogVault**

accenture

 **Credgenics**

 **DeltaX**

digité

 **LUMIQ**

Hashedin

GoVivace
AT THE HEART OF EXPERIENCE

LTI
Let's Solve

Infosys



 **Tricon Infotech**
Partnering with Success

 **ERICSSON**

 **Western
Digital**

 **ZYCUS**
COGNITIVE PROCUREMENT

teradata.

TEKION

 **Vassar
LABS**

STERADIANSEMI

TIGER
ANALYTICS

MAQ
Software

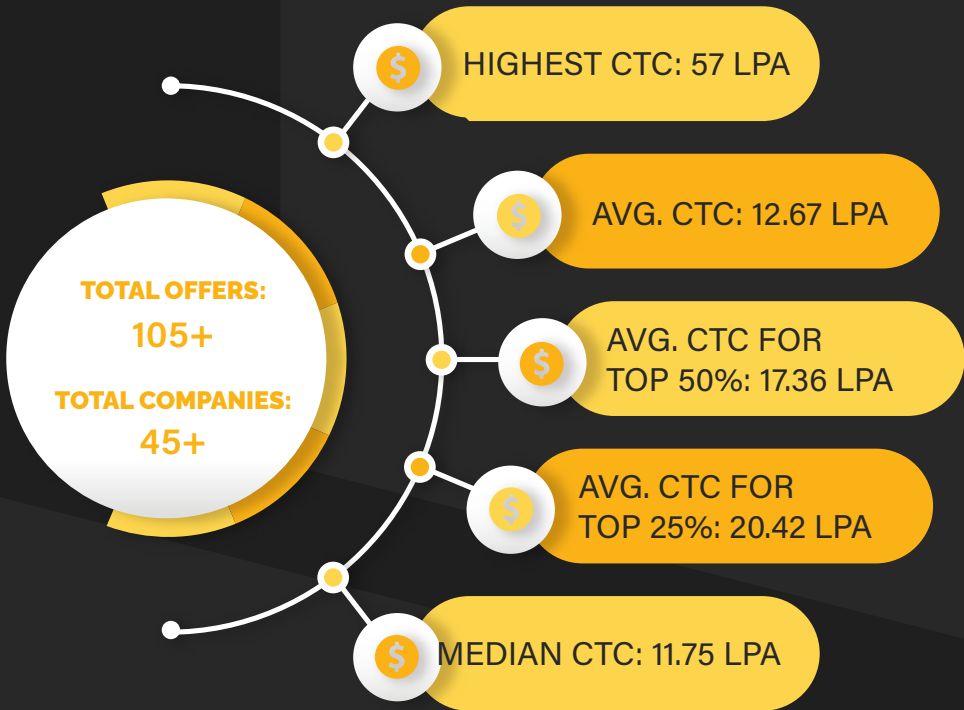
SPANIDEA
BIO-TECHNOLOGY

Cognizant





 **COSGrid**
NETWORKS



The placements for the academic year 2021-22 were tremendously successful despite the challenging pandemic situation. More than 45 companies participated in the campus recruitment process to hire B.Tech and M.Tech students from the Computer Science & Engineering and Electronics & Communication Engineering disciplines. They offered roles in various fields such as Software Development Engineer, Data Analyst, Consultant, Business Analyst, and more.

IIIT Naya Raipur witnessed success this placement season through the participation from several prominent recruiters such as Codenation, American Express, Carl Zeiss, Ericsson, Media.net, Deloitte, who reaffirmed their faith in the institute. IIIT Naya Raipur also hosted many first-time recruiters, including PharmEasy, KPMG, ZS Associates, BigBasket, Celigo, Cyware, Steradian Semiconductors, Teradata, BlogVault, Tekion Corp CredGenics, Cognizant, etc.

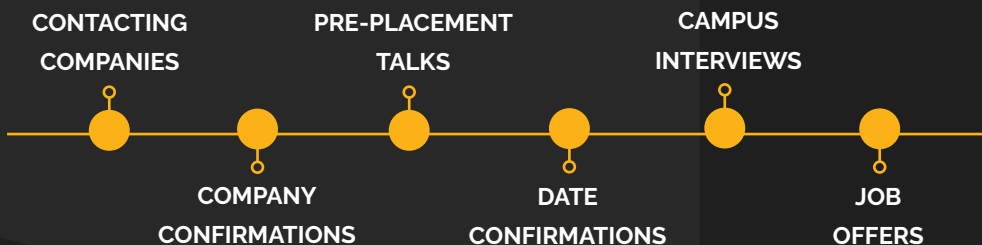
PLACEMENT STATISTICS (2021-22)

PARTICULARS	CSE	ECE	TOTAL
Total Students in B.Tech Batch 2018	59	53	112
Students Shown Interest in Placements	43	31	74
Students Placed Till Date	43	31	74
Students Unplaced	0	0	0
Students Interested in M.Tech/MBA (GATE/CAT etc.)	10	12	22
Students Interested in Higher Education Abroad/GRE	5	5	10
Students Interested in PSU	0	3	3
Students Interested in Civil Services/Govt Jobs/Others	0	2	2
Students Interested in Entrepreneurship (Startups)	0	1	1
Total Offers	60	45	105
Average Package (in lakhs)	14.06	10.72	12.67
Median Package (in lakhs)	15	10	11.75
Highest Package (in lakhs)	57	16.6	57
Percentage Placement Achieved	100%	100%	100%

PLACEMENT PROCEDURE

1. The Placement Office sends invitations to companies/organizations along with relevant information.
2. The Company/ Organisation sends in a JAF (Job Announcement Form) containing details of the job offer (pay package, place of posting, allowances, and other bonuses). JAFs can be sent either by post or email to Placement Cell (placement@iiitnr.ac.in).
3. If the company/organization wishes to conduct a Pre-Placement Talk (PPT), they can send a request along with the preferred dates.
4. The JAF is made available online to the students, along with any other information furnished by the company organization.
5. Placement Office allots dates to companies for campus interviews based on various details given by companies. The company/organization confirms the dates with the Placement Office.
6. Interested students show their willingness to appear for the recruitment process of a company by signing its JAF.
7. Companies can view resumes of interested and shortlisted students.
8. Companies come down to the campus on the allotted date/s and conduct tests and/ or interviews according to their recruitment process.
9. The company/organization is required to furnish the final list of students, preferably on the date of the interview.

NOTE: The placement office records jobs corresponding to the students selected. Students once placed may not be allowed to appear for other interviews as per the Institute placement policy.



TRAINING & CAREER OFFICE



DR. AMIT KUMAR AGRAWAL

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Asst. Professor (Business Informatics)

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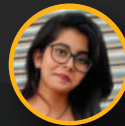


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Raipur Airport



20 Min, 12 Km

Delhi
Mumbai
Nagpur

Hyderabad
Bangalore
Kolkata



Bhopal
Lucknow
Kochi

Goa
Indore
Patna

Direct Flights

Raipur Station



40 Min, 23 Km