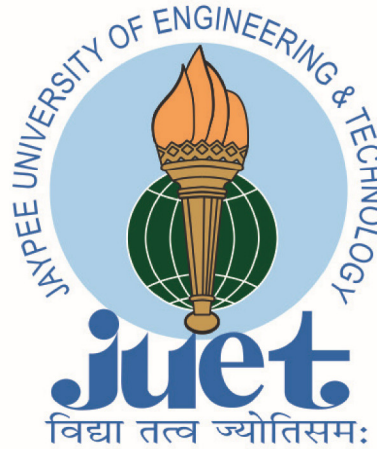


**JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY
GUNA (MP)**

ACCREDITED WITH GRADE 'A+' BY NAAC



**Education Enlightenment Empowerment
ANNUAL REPORT 2024-25**



Jaypee University of Engineering & Technology, Guna
AB Road, Raghogarh - 473 226, Distt. Guna (MP), India
Phone: 07544-267051, 267310-14, E-mail: contact@juet.ac.in

JUET ACTIVITIES



Hon'ble VC – Address – 15.08.2024



22nd Board of Management Meeting



Watching students drama on 15.08.2024



Deeksharambh - 2024



CineSanskriti – 18.01.2025



Hon'ble VC – Address – 26.01.2025

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BASIC INFORMATION IN BRIEF

Name	:	Jaypee University of Engineering & Technology, Guna (MP).
Year of Establishment:		2003
Status	:	(i) Private State University, Govt. of MP, Gazette Notification No.273 dated 29 Apr 2010 & 420 dated 13 August 2010. (ii) Approved under Section 2(f) of UGC Act 1956. (iii) Accredited by NAAC with Grade 'A+' on 21 March 2023.
Location	:	A.B. Road, Raghogarh
Pin Code	:	473 226
District	:	Guna
State	:	Madhya Pradesh

Officers of the University

Chancellor	:	Hon'ble Shri Jaiprakash Gaur ji, Founder Chairman, Jaypee Group
Vice Chancellor	:	Prof. D.K. Rai, Ph.D
Dean (A&R)	:	Prof. Vipin Tyagi, Ph.D
Dean (I&R)		Prof. Sanjay Garg, Ph.D
Registrar	:	Dr. Sanjay Mishra, Ph.D
Controller of Examination:		Prof. Mahesh Kumar, Ph.D
Chief Finance Controller:		Shri V.C. Pandey, M.Com, ICWA

Tele/Website

Vice Chancellor	:	(O) - 07544-267002, Extn.101 (R) - 07544-267016, Extn.201
Dean (A&R)	:	(O) - 07544-267003, Extn.104 (R) - 07544-267010, Extn.204
Registrar	:	(O) - 07544-267045, Extn.103 (R) - 07544-267006, Extn.203
CFC	:	(O) - 07544-267310-12, Extn.111 (R) - 07544-267310-12, Extn.211
COE	:	(O) - 07544-267310-12, Extn. 141 (R) - 07544-267310-12, Extn. 314
EPBAX	:	07544-267310-12
Toll Free No	:	1800 121 884444
Website	:	https://www.juet.ac.in

INTRODUCTION

Genesis

The Jaypee Group of Companies have consistently displayed full awareness for their social responsibilities through the Jaiprakash Sewa Sansthan (JSS), a 'not for profit' trust conducting social and welfare schemes for the betterment of the society. The Group believes that education is the cornerstone of economic development and empowerment which can assist to grow India into a developed nation.

With the objective of using technology and management effectively, the visionary founder of the Jaypee Group, Hon'ble Shri Jaiprakash Gaur ji established four Technical Universities with best and state of the art facilities at Jaypee Institute of Information Technology, Noida (UP), Jaypee University of Information Technology, Solan (HP), Jaypee University of Engineering & Technology, Guna (MP) and Jaypee University Anoopshahr (UP). Jaypee University of Engineering & Technology (JUET) is the third amongst four Universities established by the Jaiprakash Sewa Sansthan (JSS) at Raghogarh in Guna, Madhya Pradesh.

JUET Guna commenced its academic activities from July 2003; as Jaypee Institute of Engineering & Technology Guna granted the status of State Private University under MP Niji Vishwavidyalaya Adhiniyam 2007 making it the 1st Private University of the State. The University has been approved by the UGC under Section 2(f) of the UGC Act 1956.

General

JUET, Guna dedicated to excellence in education, has been envisioned by its founder and Chancellor Shri Jaiprakash Gaur ji who is a symbol of enlightenment and empowerment of youth in India. The University has designed new and innovative programmes of learning to produce human resource capable of identifying, analyzing and solving problems.

The University is fully backed and supported by the Jaiprakash Sewa Sansthan a 'Not for Profit' trust of the Jaypee Group which recognizes the role of emerging technologies in improving the quality of life of the people in India. It is envisaged that JUET will play a leading role in the development of technical manpower and research programmes in the State of Madhya Pradesh comparable to the best in India and the world.

About Jaiprakash Sewa Sansthan (JSS)

The spirit of 'Growth with a Human Face' as an essential and traditional value has been the hallmark of Jaypee Group of Companies. This spirit was institutionalized with setting up of JSS, committed to the socio economic development of neighboring areas of various project sites of Jaypee Group of Companies the JSS lays great emphasis on enhancement in education standards. The vision of the JSS is to play a pivotal role in enabling India to develop high quality manpower in the frontier areas of technology.

JSS has established four 'Universities of Higher Learning', one Polytechnic, three ITIs, two PG colleges, one B.Ed College and 20 schools all over the country encompassing education and career building of approx 20,000 students. In addition to its role of providing education to people, JSS is also involved in other social activities like disaster relief, medical care through hospitals and medical camps, self employment and comprehensive rural development programme.

Location

JUET Guna is located at 357 km on Four Lane old NH-3, now NH-46 (Agra - Bombay Road) in Tehsil - Raghogarh, District - Guna (MP), Pin Code - 473226 in North Western Madhya Pradesh.

JUET Guna

Vision

Playing a pivotal role to enable the country in general and state of Madhya Pradesh in particular, in developing high caliber trained manpower in the frontier areas of technologies.

Mission

To make the University ‘**Centre of Excellence**’ in the field of engineering and technology with highly developed infrastructure, excellent faculty members with international outlook and active interaction with the industry.

The University Campus

The University has sprawling 122.5 acre campus at Raghogarh which is about 30 km from Guna city on Agra – Bombay Road. The area comes under moderate climate zone having mild temperatures round the year. Presently, university has a total built up area of 1.4 lacs sq. mtrs which is comprises Academic Blocks, Students Hostels, Tagore Hall, Faculty Residences, Annapurna (Mess) and other support facilities. At present 1800 students (boys and girls) are studying in various UG, PG & Ph.D programs.

Programmes Offered

The university offers 4-Year (8 Semesters) B.Tech 3 year (6 semesters) B.Sc. (Hons) at UG level. 2 year (4 semesters) M.Sc. at PG level and Ph.D program in various discipline.

Infrastructure Details

JUET has been developed as a modern world class campus, with intellectually vibrant ambience in a serene and lush green environment. The state of the art campus, smart buildings with Internet, Wi-Fi connectivity, including environmentally conditioned Academic Block, Annapurna (Mess), well equipped modern laboratories, Learning Resource Centre, Faculty and Student residences provide a pleasant and intellectually stimulating ambience for students in an eco-friendly environment.

The University has 17 well equipped Lecture Theaters (LTs), 32 Classrooms (CRs) and 53 laboratories with modern audio-visual equipments. IT infrastructure includes around 4000 nodes operating on UNIX/Windows 2000/Linux environment, broadband internet connectivity, projection and video conferencing facilities. It has a Learning Resource Centre stocked with more than 36120 volumes of books , many open sources e-books, 5 e-journals data base , online video lectures and 23 Nationally & Internationally printed journals and magazines and a modern library management system. Modern and hygienic student messes known as Annapurnas (Student mess) provides wholesome and nutritious meals to all students. All student messes are approved by FSSAI. The basic amenities like Café, Tuck Shops, Multi Facility Shops, Bank ATMs & Extension Counter, medical centre, laundry are also available in the campus. The serene campus environment and academic pursuits help young minds to grow into well developed and responsible citizens of tomorrow.

The details of the built up area of the campus are attached at **Appendix-A**.

RANKING, ACCREDITATION AND OTHER DISTINCTIONS OF THE UNIVERSITY

The University has been ranked and accredited by various agencies and achieved other distinctions from time to time as given below:-

- 86th rank in the University category of NIRF 2016.
- Ranked in the band of 151-200 in the university category of NIRF 2018.
- Ranked 65th in GLOBAL ranking - Hacker Rank University CodeSprint-4, 2018.
- Remote Center of National Mission on Education through ICT Program (MHRD, Govt. of India), conducted by consortium of IITs, coordinated by IIT Bombay on April 18, 2018.
- Accredited with Grade 'A' by NAAC in the first cycle on 05 Nov 2016
- Accredited with Grade 'A+' by NAAC in the Second cycle on 21 March 2023.
- Received 'Green Champion' Award 2021 from Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, MoE, GoI.
- Awarded 5 Star rating EAT Right mission by FSSAI, Govt. of India in 2025.

GOVERNANCE

Governing Body Members of Jaypee University of Engineering & Technology, Guna

Sl.No	Name	Appointment	Address
1	Shri Jaiprakash Gaur Chancellor	Chairman	Founder Jaiprakash Sewa Sansthan 63, Basant Lok, Vasant Vihar, New Delhi - 110 057 jk.sharma@jalindia.co.in
2	Shri Manoj Gaur	Vice-Chairman	Managing Trustee Jaiprakash Sewa Sansthan 63, Basant Lok, Vasant Vihar, New Delhi - 110 057 manoj.gaur@jalindia.co.in
3	Shri Sunny Gaur	Member	Trustee Jaiprakash Sewa Sansthan 63, Basant Lok, Vasant Vihar, New Delhi - 110 057 gaursunny69@gmail.com
4	Prof. S.C. Saxena	Member	Pro Chancellor Jaypee Institute of Information Technology, A-10, Sector-62, Noida, Uttar Pradesh- 201 309. sc.saxena@jiit.ac.in
5	Shri Raghvendra Gautam	Member	Former Vice President Jan Abhiyan Parishad Rani Laxmibai Road Shivpuri raghavendragautam21@gmail.com
6	Dr. Ajay Khemariya	Member	Former President Janbhagidari Samiti Govt. P.G. College, Shivpuri ajaikhemariya@gmail.com
7	Dr. Neeru Sharma	Member	Shubhash Colony Guna (MP) Mob. 9406969973
8	Prof. D.K. Rai Vice Chancellor	Member	Jaypee University of Engineering & Technology, A.B. Road, Raghogarh, Dist: Guna (MP) Pin – 473226 dk.rai@juet.ac.in
9	Dr Sanjay Mishra Registrar	Member Secretary	Jaypee University of Engineering & Technology, A.B. Road, Raghogarh Dist: Guna (MP) Pin – 473226 sanjay.mishra@juet.ac.in

Board of Management
Jaypee University of Engineering & Technology, Guna

Sl.No	Name & Address	Position	Appointment
1	Prof. D.K. Rai Vice Chancellor e-mail: dk.rai@juet.ac.in	Chairman	Ex Officio
2	Shri Suren Jain Managing Director Jaypee Power Venture Ltd. 63, Basant Lok, Vasant Vihar, New Delhi - 110 057 e-mail: suren.jain@jalindia.co.in	Member	Sponsoring Body Nominee
3	Prof. S.C. Saxena Pro Chancellor Jaypee Institute of Informtion Technology, A-10, Sector-62, Noida, Uttar Pradesh- 201 309. e-mail: sc.saxena@jiit.ac.in	Member	Sponsoring Body Nominee
4	Government Nominee	Member	Nomination Awaited from Govt. of MP
5	Government Nominee	Member	Nomination Awaited from Govt. of MP
6	Prof. Vipin Tyagi Dean (A&R) e-mail: vipin.tyagi@juet.ac.in	Member	Professor of the University
7	Prof. Ghanshyam Singh Professor, Mechanical Engineering email: ghanshyam.singhi@juet.ac.in	Member	Professor of the University
8	Dr. Sumit Gandhi Associate Professor & HOD Civil Engineering email: sumit.gandhi@juet.ac.in	Member	Teacher of the University
9	Dr. K.N. Gupta Assistant Professor (SG) & HOD Chemical Engineering, email: kn.gupta@juet.ac.in	Member	Teacher of the University
10	Dr. Sanjay Mishra Registrar Email: sanjay.mishra@juet.ac.in	Member Secretary	Ex-Officio

Academic Council
Jaypee University of Engineering & Technology, Guna

SN	Name & Address	Position	Appointment
1	Prof. D.K. Rai e-mail: dk.rai@juet.ac.in	Chairman	Ex Officio
2	Prof. S.C. Saxena Pro Chancellor Jaypee Institute of Information Technology, A-10, Sector-62, Noida, Uttar Pradesh- 201 309. e-mail: sc.saxena@jiit.ac.in	Member	Chancellor's Nominee (Academician)
3	Prof. R.K. Sharma Vice Chancellor Jaypee University of Information & Technology, Wagnaghat, Solan (HP) Tel No.- 01792239201, Mob - 9872202705 e-mail: rk.sharma@juit.ac.in	Member	Chancellor's Nominee (Academician)
4	Shri Pankaj Gaur Jt. MD, Jaiprakash Associates Ltd. New Delhi. e-mail: pankaj.gaur@jalindia.co.in	Member	Chancellor's Nominee (Industry)
5	Shri MKV Rama Rao CTO, Jaiprakash Power Ventures Limited, JA House, 63, Basant Lok, Vasant Vihar, New Delhi 110057. Mob: 9650994345, 8283939831 e-mail: mkvr.rao@jalindia.co.in	Member	Chancellor's Nominee (Industry)
6	MPPURC Nominee	Member	Nominee awaited from Chairman MPPURC Bhopal.
7	All HODs of the University	Members	Ex Officio
8	All Teaching Professors of the University	Members	Ex-Officio
9	Dr. Sanjay Mishra Registrar Email: sanjay.mishra@juet.ac.in	Member Secretary	Ex-Officio

ACADEMIC PROFILE

The Academic Philosophy: The academic programmes are developed on the basis of following academic philosophy.

- Student centric learning and encouragement to self learning
- Periodic review of curricula to keep pace with changing technology
- Regular updating of electives in the curricula
- Emphasis on project, design and laboratory skills
- Emphasis on creativity and innovation skills
- Inculcate communication skills and leadership quality
- Emphasis on fundamentals, concepts, understanding and analytical & problem solving skills
- Enhancement of scientific reasoning ability
- Integration of human values and professionalism

Education System

JUET has placed special emphasis on the development of conducive environment to build solid foundation of knowledge, personality development, confidence building, pursuit of excellence, self discipline and enhancement of creativity through motivation which helps to produce well trained professionals for the rigors of professional and social life. All students are encouraged to make life vibrant and enjoyable outside the classroom also by engaging them in multiple extracurricular activities like fun creativity, competition, distinction, establishing relationships with fellow students and others in the community. It ultimately enhances the value of their educational experience which helps in grooming them to become a responsible citizen of tomorrow.

The academic year is divided into two semesters i.e. Odd Semester from July to Dec. and Even Semester from Jan to June. The education system puts emphasis on continuous evaluation of student's performance and transparency. The elective based curricula of programs provide flexibility to choose courses of interest and to progress at an optimum pace suited to student's ability or convenience.

The concepts of lecture classes are reinforced through the tutorial and experiential learning in practical classes. Moreover, enhancement of the learning is also made through a unique educational concept called Project Oriented Practice (POP). In the final year of the programs, major projects are assigned to the students. Industry internship after each year is integral part of the B Tech programme (after I year optional and after II, III year compulsory). This provides exposure of working in a real life situation and equips students with necessary professional skills.

Programmes run in 2024-25

Diploma Programmes

Diploma in Civil Engineering
Diploma in Mechanical Engineering

Undergraduate Programmes

B.Tech:-

1. Chemical Engineering
2. Computer Science & Engineering,
3. Civil Engineering
4. Electronics & Communication Engineering
5. Mechanical Engineering.
6. Computer Science & Engineering in AI & ML
7. Computer Science & Engineering in Data Science

BBA: Bachelor of Business Administration

Post Graduate Programmes

M.Tech:-

- M. Tech (Electronics & Communication Engineering)
- M. Tech (Computer Science & Engineering)
- M. Tech (Civil Engineering)
- M. Tech (Chemical Engineering)
- M. Tech (Mechanical Engineering)

M.Sc.:-

- Mathematics
- Physics
- Chemistry

Ph.D:-

- Electronics & Communication Engineering
- Computer Science & Engineering
- Civil Engineering
- Chemical Engineering
- Mechanical Engineering
- Physics
- Chemistry
- Mathematics
- Humanities & Social Sciences

Laboratory Facilities

The University has 53 laboratories for all engineering and social sciences departments. Total built up area of laboratory is 6835.29 sqm, and total value of equipments installed in the labs is Rs.9.99 Crores. Details are given at **Appendix-B**.

Promotions, New Joining & Leaving (Faculty & Staff)

Details of promotions, new joining and leaving of faculty and staff members are attached in **Appendix-C**.

ACADEMIC DEPARTMENTS

FACULTY OF ENGINEERING

Department of Chemical Engineering

Department Overview

The Department has state-of-the-art laboratories equipped with sophisticated equipment and analytical research instruments to facilitate modern teaching and cutting-edge research and development activities. Faculty members of the department have excellent academic and research credentials with good expertise in the diverse fields of Chemical Engineering. The Department aims to provide students with a balance of intellectual and practical knowledge that enables them to serve the worldwide chemical industry and societal needs. Students also gain hands-on experience through internships and industrial training, which prepares them for real-world challenges. Our department looks forward to contributing to solving the technological challenges of society with active participation.

Program Offered in 2024-25

- (i) B.Tech.
- (ii) M.Tech.
- (iii) Ph.D.

B.Tech. Program

The curriculum of the B.Tech. program is an appropriate blend of subjects spanning various aspects of Chemical Engineering. The state-of-the-art laboratories enable students to comprehend the concepts of Chemical Engineering thoroughly which reinforces classroom teaching. The sound knowledge acquired by the students during graduation prepares them for diverse roles in industries such as fertilizer, petrochemicals, pharmaceuticals, environmental management, etc. Besides, the minor specializations offered by the department in (i) Cement Technology, and (ii) Industrial Pollution Abatement; further conditioned students to work proficiently in these fields.

M.Tech. Program

The curriculum of the M.Tech. Program is designed in such a way that it deepens students' expertise in chemical processes and technologies. The students have ample opportunity to get exposure to diverse research areas, and handling of various analytical instruments during their entire coursework; thus, enhancing their analytical skills and research abilities. The department also offers an M.Tech. with a specialization in Energy and Environmental Engineering. A post-graduate chemical engineer is capable of solving complex engineering problems by providing sustainable solutions.

Ph.D. Program

The Ph.D. program is meant to explore cutting-edge research areas and to search for inclusive solutions thus ensuring the holistic development of society. The department is actively engaged in research in diverse areas like adsorptive bubble separation processes for the removal of surfactants and dyes, leaching and membrane separation processes for the recovery of metal from spent catalyst, machine learning techniques for fault detection and diagnosis in complex chemical processes, adsorption for the removal of volatile organic compounds, and modelling and simulation. A doctorate degree holder can pursue his/her career in academia, industry, or government, where they deal with complex challenges and drive innovation in chemical engineering.

Major facilities in the department

State-of-the-art laboratories:

- Mass Transfer Operations Lab
- Heat Transfer Operations Lab
- Solid Fluid Mechanical Operations Lab
- Chemical Reaction Engineering Lab
- Environmental Engineering Lab
- Instrumentation and Process Control Lab
- Process Modeling and Simulation Lab

• **Major equipment:**

- UV spectrophotometer
- Gas chromatograph
- Hot air oven
- Tintometer
- High volume sampler
- Muffle furnace
- Sartorius digital balance

Salient Features of the Department

- 100% placement in recent years.
- Well qualified and experienced faculty.
- Cement Technology, a minor specialization of 20 credits is a job-oriented course.
- Fairly good alumni network facilitating placements.
- More emphasis on project-based learning.
- Efficient feed-back mechanism for better teaching learning process.
- Regular curriculum revision.

Conferences/Workshops /Training/short term course organized

- One week staff training programme on “Water Quality and Testing” was organized by the department during June 02-06, 2025.
- Conferences/Workshops /Training/short term course attended
- Dr. K.N. Gupta and Dr. Rahul Shrivastava attended one-week workshop on “Outcome Based Education” organized by IQAC, JUET, Guna held during July 08-13, 2024.
- Mr. Arun Arya attended one-week “Faculty induction program” organized by Jaypee university of Engineering and Technology, Guna (M.P.) from September 18-24, 2024.
- Mr. Arun Arya attended online “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) during September 19-29, 2024.
- Mr. Arun Arya attended online “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of Ministry of Education, Government of India organized by Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC) during October 16-24, 2024.
- Mr. Arun Arya attended online “1St SHORT TERM PROGRAMME on Research Methodology” organized by the Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC) during October 21-26, 2024.
- Dr. K.N. Gupta completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) during March 10-14, 2025.

- Dr. Rahul Shrivastava and Mr. Arun Arya participated in IP Awareness/Training program in online mode under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on 30 April, 2025.
- Mr. Arun Arya attended online 5- day national workshop on “Functional materials for sustainability: Processing and Application” organized by Department of Mechanical Engineering, Jaypee university of Engineering and Technology, Guna (M.P.) during May 12-16, 2025.

Publication (In Journals)

Scopus Indexed

1. K.N Gupta, R. Kumar, and A. K. Thakur, “Removal of volatile organic compounds using fixed bed adsorption: optimization using Taguchi methodology and grey relational analysis”, International Journal of Environmental Science and Technology, 22, 4707-4730, March 2025. DOI:10.1007/s13762-024-05915-y
2. Sunil Kumar Srivastava, Rahul Shrivastava, “Modeling for Copper Recovery from E-Waste by Using Machine Learning Technique: An Approach for the Circular Economy”, Current Analytical Chemistry, Vol. 21, January 2025. DOI: 10.2174/0115734110343714241130170537

Expert Lectures

Dr. Rashmi Tyagi and Dr. Kaushal Naresh Gupta delivered lectures (3 and 1 respectively) in online mode in one week Teachers’ Training Programme in Chemistry for teachers from Jaypee schools held at IIIT Noida during May 20-25, 2024.

BOS Meeting

12th BOS meeting of the department was held on December 06, 2024 in online mode.

DEPARTMENT OF CIVIL ENGINEERING

Department Overview

Civil Engineering Department at Jaypee University of Engineering & Technology offers (a) Diploma in Civil Engineering (b) four-year B. Tech program (c) two-year M.Tech program (d) Ph.D programs in Civil Engineering and (e) 4-week certificate course on ‘Cement and Concrete Technology’. The focus of the programs is to involve the concept, planning, design, construction, and operation of facilities essential to modern life, ranging from drinking water, energy needs, buildings and structures, transport system, urban development to community planning. To satisfy academic, industry and R&D needs for professionals, Jaypee University of Engineering and Technology Guna established the Department of Civil Engineering in 2003.

The department aims to be the premier Civil Engineering technical education globally through its research and teaching. Department is committed to create top-notch engineers through specializations both at UG and PG levels. Department offers M.Tech courses in structural engineering, construction management and environmental engineering. In addition, Ph.D. programs in Environmental, Transportation, Geotechnical, Concrete Technology, Hydraulics & Water Resources Engineering and other Civil Engineering areas are also available. The department updates all course curricula regularly with industry, academia, and other stakeholders through the Academic Council (AC) and Board of Studies (BOS).

Graduates with a broad understanding of fundamental principles and social awareness will succeed in Civil Engineering design, research and in management areas. Extracurricular and co-curricular activities allow students to showcase their technical skills and acquire confidence through Civil Engineering Technical Forum

of the department. Faculty performs useful multidisciplinary research and consultancy, through the departmental programs on diploma, B.Tech, M.Tech, and Ph.D. In addition to testing and consultation, the department has filed several research-based patents. Training programs, expert lectures by noted people, field visits, workshops, and conferences are frequently organized to exchange and update information through industry-institution interaction.

Programs Offered in 2024-25

The department of Civil engineering offered various program in 2024-25 academic year. The programs offered are Diploma in civil engineering, B.Tech In civil Engineering, Ph.D in civil engineering. Various M. Tech. specializations like Structural Engineering, Construction Management and Environmental Engineering has been offered. However, there were no admissions in M.Tech courses.

a. Diploma (Civil Engineering)

Three year Diploma Program in Civil Engineering was initiated in the year 2024-25 and is a state-of-the-art program. This program is well-known in the corporate world. Professionals who choose to enroll in this program have a variety of opportunities. Two students were enrolled in the course.

b. UG (B Tech -Civil Engineering)

Four-year B. Tech. Program in Civil Engineering has been initiated in 2003-04. The primary focus of the course is on the planning and construction of various transportation systems, buildings, bridges, highways, flyovers, and other forms of infrastructure. Not only do Civil Engineers find employment in the construction sector, but they also find work in other industries, such as the oil and energy industry, transportation, petroleum, environmental, power and electric utilities, chemical, and other industries that include the development of facilities and infrastructure projects.

c. P.G (M Tech -Civil Engineering)

Two-year M. Tech. Program in Structural Engineering and Construction Management has been initiated in 2014-15. Students are given the opportunity to learn about a wide variety of topics, in these areas. Through the utilization of this comprehensive methodology, graduates are guaranteed to be adequately prepared to deal with the challenges of contemporary building projects. The curriculum places a strong emphasis on practical learning, which is one of its defining characteristics. In this course, students are given the opportunity to obtain practical experience with cutting-edge technology, construction methods, and materials. There was no admission in the academic year 2024-25.

d. Ph.D. (Civil Engineering)

This program endorses dissertations with novel research findings and high excellence and intellectual contribution. Students learn advanced research skills and a methodical and critical understanding of intricate civil engineering topics for academic and professional success. Our diverse civil engineering faculty at our Ph.D. institution delivers industry-relevant and sustainable solutions. Through its PhD program, the department creates socially beneficial engineering solutions. Doctoral research informs the faculty's peer-reviewed articles and patents. Modern experimental and computational facilities support our research.

Major facilities in the Department

State-of-the-art laboratories

- Concrete Technology Laboratory
- Geotechnical Engineering Laboratory

- Foundation Engineering Laboratory
- Highway Engineering Laboratory
- Fluid Mechanics Laboratory
- Environmental Engineering Laboratory
- Surveying Laboratory
- Engineering Graphics & AutoCAD
- Software Simulation Laboratory

PhD Awarded

- Ph.D. degree has been awarded to Mr. Kailash Narayan Katare (Er. No. 173D001) by the University for his thesis titled “Studies on Effect of Incinerated Biomedical Waste Ash on Properties of Mortar and Concrete” under the supervision of Dr. N. K. Samaiya and Dr. Y. I. Murthy on October 17, 2024.

Patent/Design/Copyright

- *Prof. Sumit Gandhi, Dr. Nitin Kumar Samaiya, Mr. R. K. Goliya, Dr. Abhishek Verma, Dr. S. N. Yadav, Dr. Y. I. Murthy and Dr. V. S. Babu published a design patent titled, “Device to Detect Construction Failure” on May 13, 2025.*

Faculty Achievements

Ph.D. degree has been awarded to Mr. Shrinarayan Yadav (Er. No. 183D002) by the University for his thesis titled “Analytical and Experimental studies of Jointed Rock mass at different footing positions” under the supervision of Dr. D. K. Shukla on December 4, 2024.

Dr. V.S Babu Has been Selected as Editorial board member for MAT journals, Ghaziabad, U.P, India, Dr. S.N.Yadav, became an active member of International Association of Engineers (IAE)- (life time membership) and Dr. V.S Babu have been selected as Reviver for International Journal of Environmental Management and Renewable Energy System.

Alumni Achievements

- Mrs. Kritika Viridi, alumnus of B.Tech. CE batch 2012-16, started working as Traffic Engineer with Sutherland Shire Council, an NSW Government Sector in Sydney, Australia.
- Vaibhav Shrivastava, alumnus of B.Tech. CE batch 2013-17, is promoted to Senior Engineer at Ranjeet Buildcon Limited
- Kshitij Mudgal, alumnus of B.Tech. CE batch 2013-17, is promoted to Senior Design Engineer at Hindustan Construction Company.
- Piyush Tiwari, alumnus of B.Tech. CE batch 2018-22, is promoted to Executive Officer- Talent Recruitment Scout at Department of Work and Pension, UK.

Conferences /Workshops /Training/short term course organized

- A Four-week Certificate Course on ‘Cement and Concrete Technology was offered to provide participants with a comprehensive understanding of the fundamental and advanced aspects of cement and concrete. The target groups for this course are Engineer Trainee and Management Trainee of the cement industry and construction engineers, etc who wish to deepen their expertise in cement and concrete technology and stay updated with the latest advancements in the field.

- Dr. V.S. Babu organized one international webinar on Use of artificial Intelligence in Estimation on 23.11.24.
- Dr. Abhishek Verma organized one international webinar on Glimpse in to Project Delivery on 01.03.25.
- Dr. S.N Yadav Conducted Staff training Programme in December 2024.
- Mr. Ravindra Goliya organized one week staff training programme in May 2025

Conferences /Workshops /Training/short term course attended

1. *Prof. Sumit Gandhi* attended an online course on “Remote Sensing of Soils: Mapping, Classification and Evaluation for Agricultural Land Use Planning”, IIRS Outreach Programme, conducted by IIRS outreach program, ISRO, Govt. of India, 03rd-07th March 2025.
2. *Prof. Sumit Gandhi* attended a 5-day Online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 16th-20th December 2024.
3. *Prof. Sumit Gandhi* attended a two-week online refresher course on ‘Materials for Energy and Sustainability’ under Malaviya Mission Teacher Training Program (MM-TTP) of University Grants Commission Organized by MMTTC Centre of Science and Society, IISER Bhopal, 4th-18th November 2024 and obtained grade A.
4. *Prof. Sumit Gandhi* attended a two-week online training program attended on ‘Global Navigation Satellite System’, IIRS Outreach Program, conducted by IIRS outreach program, ISRO, Govt. of India during 23th September - 04th October 2024.
5. *Prof. Sumit Gandhi* attended an AICTE Recognized Faculty Development Program on Building Maintenance, Repair and Rehabilitation during 9th-13th September 2024 Conducted by Civil Engineering Department, NITTR Chandigarh.
6. *Prof. Sumit Gandhi* attended an IIRS outreach program on ‘AI/ML for Geodata Analysis’, during 19-23th August, 2024 conducted by ITRS (ISRO), Department of Space, Govt. of India, Dehradun.
7. *Prof. Sumit Gandhi* attended the 1st Short Term Program on Research Methodology organized by the Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC), 21st - 26th October, 2024 under the Malaviya Mission Teacher Training Programme (MMTTP) of the Ministry of Education, Government of India.

Publication (in Journals)

Scopus:

- Gowda, M.S., Murthy, Y.I. & Gupta, A. (2025), Explainable AI Based Support Vector Machine Models for Soaked CBR Prediction. *International Journal of Pavement Research and Technology*. <https://doi.org/10.1007/s42947-025-00558-9>
- Shukla, D.K., Yadav, S. & Murthy, Y.I. (2025), Analysis of Unconfined Jointed Rock Mass Using Response Surface Methodology. *Iranian Journal of Science and Technology, Transactions of Civil Engineering*. <https://doi.org/10.1007/s40996-025-01884-5>
- Shishodia, A., Babu, V. S., & Murthy, Y. I. (2025). Use of treated recycled aggregates in high-strength concrete: a response surface approach. In *Proceedings of the Institution of Civil Engineers-Engineering Sustainability* (pp. 1-17). Emerald Publishing Limited. <https://doi.org/10.1680/jensu.24.00181>

- Verma, A. (2025). Durability and strength characteristics of concrete through various experiments using treated recycled aggregates. *Journal of Material Cycles and Waste Management*, 27(4), 2321-2340. (2025) <https://doi.org/10.1007/s10163-025-02235-2>
- Purohit, B. D., Samaiya, N. K., & Verma, A. (2025). Characterization of recycled aggregate processed through pre-soaking, mechanical grinding and layered coating of aggregates: a three-stage processing technique. *Australian Journal of Structural Engineering*, 1-16. <https://doi.org/10.1080/13287982.2025.2493461>
- Gandhi S., “Analysis of Hydraulic Jump Characteristics In U-Shaped Channel”, *Civil Engineering Infrastructures Journal*, <https://doi.org/10.22059/cej.2024.374899.2046>, December 2024.

Others:

- Murthy Y. I. and Kumar S., “Levenberg-Marquardt Based Prediction Models for Slabs with Magnesium Sacrificial Anodes Subjected to Chloride Ingress”, *Portugalia Electrochemica Acta*. <https://doi.org/10.4152/pea.2026440101>, November 2024.
- Murthy Y. I., Meena K. B. and Patel N. "Machine learning for predicting the half cell potential of cathodically protected reinforced cement concrete slabs subjected to chloride ingress." *Engineering Applications of Artificial Intelligence* 137. <https://doi.org/10.1016/j.engappai.2024.109090>, November 2024.
- Pandey, S., Murthy, Y. I. and Gandhi, S., "Prognostication of half-cell potential for slabs cathodically protected with AZ91D using explainable and interpretable machine learning", *Anti Corrosion Methods and Materials*, Vol. 72, No. 1, pp. 121-133. November 2024.
- Pandey, S., Murthy, Y. I. and Gandhi, S., "Exploring optimization strategies for support vector machine-based half-cell potential prediction", *Anti-Corrosion Methods and Materials*, Vol. 71, No. 6, pp. 719-732. October 2024.

Publication (In Conferences)

- Shishodia A. Babu V. S. and Murthy Y. I. presented research paper titled, “ANN Based Models for Strength Prediction of Concrete Incorporating Processed Recycled Aggregate”, 3rd International Conference on Advances in Materials and Manufacturing Technology, (ICAMMT-2024), 17th-20th December 2024.
- Shishodia A. Babu V. S. and Murthy Y. I. presented research paper titled, “Parametric Effects of Processed and Treated Aggregates on the Strength and Durability of Green Concrete via Response Surface Methodology”, 39th National Convention of Civil engineers, Exploring Emerging Trends in civil Engineering, Kochi, 17-18th October 2024.
- Shrivastav D. and Murthy Y. I. presented research paper titled,, “Strength Characteristics of Mortar Containing Incinerated Biomedical Waste Ash”, 39th National Convention of Civil engineers, Exploring Emerging Trends in civil Engineering, Kochi, 17-18th October 2024.
- Mehta R. and Murthy Y. I. presented research paper titled, “Ensemble Learning Based Approach for Corrosion in Structural Concrete”, 39th National Convention of Civil engineers, Exploring Emerging Trends in civil Engineering, Kochi, 17-18th October 2024.

- Sharma S., Murthy Y. I. and Sharma A. presented research paper titled, “Taguchi Analysis on Cathodically Protected Steel in Simulated Concrete Pore Solution” 39th National Convention of Civil engineers, Exploring Emerging Trends in civil Engineering, Kochi, 17-18th October 2024.
- Tiwari P., Murthy Y. I. and Verma A. presented research paper titled, “Fuzzy Clustering Method-Based Hybrid Metaheuristic Models of Chloride Diffusivity in Mortar Containing Nano Titanium Dioxide”, 3rd International Conference on Advances in Materials and Manufacturing Technology, (ICAMMT-2024), 17th-20th December 2024.
- Mehta R., Kirar H. presented research paper titled, “ Parametric Assessment of water quality index of groundwater of Beenagunj-Chachora block via Grey Relational Analysis” at 1st International Conference on recent advances in engineering and sciences (ICRAES-2K25), Bhartiya Vidhyapeeth’s College of Engineering held on 22-23rd April, 2025 through online mode.
- Prachi Dharmadhikari, presented research paper titled “Investigation of Flow Characteristics of Hydraulic Jump over Stepped Spillway”, at the 1st International Conference on recent advances in engineering and sciences (ICRAES-2K25), Bhartiya Vidhyapeeth’s College of Engineering held on 22-23rd April, 2025 through online mode.

Industrial Projects

Department has successfully completed two industrial projects in the area of civil engineering. They are i) Study and development of potable water transmission system at JNSTTPP site, handled by Dr Nitin Samaiya & team, with a project cost of Rs 5 Lakhs. ii) Utilization of the bottom ash as a replacement of fine aggregate (sand) in mortar and concrete at JPVL company handled by Dr D.K.Shukla & team with a project cost of Rs 25 Lakhs.

Details of Software

ANSYS, MATLAB, AUTOCAD, E-TABS, SAP, MX - ROAD, PRIMA-VERA Contractor (Project Design), STAAD-PRO, PLAXIS.

Centre of Excellence

Cement Research Development Centre (CRDC), Wind Engineering Application Centre (WEAC)

Research Activities

Faculty members of the department are working in following research areas:

- (i) Composite Materials
- (ii) Concrete Technology
- (iii) Wind Engineering Applications
- (iv) Rock Mechanics
- (v) Hydraulics and Water Resources
- (vi) Transportation Engineering
- (vii) Environmental Engineering

BOS

14th BOS of the department was held on November 30th, 2024.

Student Activities

- On 26th March 2025, the final year students studying Introduction to Health Monitoring visited the brick manufacturing unit.
- Civil Engineering Forum organized an event “HUNCH IT” on 11th April 2025 in Japjee University of Engineering and Technology, Guna. Nearly 60 participants from various branches attended the event.

Department of Computer Science & Engineering

Department Overview

The **Department of Computer Science & Engineering** was established at this organization in 2003 to address the needs of the 21st century where the boundaries between traditional science and engineering disciplines are blurring. Since its inception, the department is dedicated to education, research and overall excellence, providing a superior teaching environment for its students to flourish.

With the globalization of the Indian economy, vast growth opportunities have been thrown open for the computer software and hardware industry. Software engineering is one of the largest growing sectors of the Indian economy; the Department of Computer Science & Engineering at JUET has been at the forefront of churning out software engineers with a high calibre of technical expertise. It continues to foster and engender the innovation and breadth of vision necessary to excel in the blooming software industry.

The experienced faculty exposes the would-be computer engineers to a rigorous and exhaustive curriculum designed to bring out the best in them and to keep them in touch with the latest state-of-the-art technology.

BOS Meeting: The online BOS meeting of the Department was held successfully on **July 15, 2025**.

Program Offered in 2024-25

Besides imparting theoretical knowledge, a lot of stress is laid on hands-on training and the overall development of the individual's personality. The teaching programs have been devised keeping in view close interaction with the industry. The department offers four year undergraduate (B. Tech.), two year postgraduate (M.Tech.) and Doctoral (Ph.D.) degree programs.

Undergraduate Programs

- ❖ **B. Tech. in Computer Science & Engineering:** This program has been initiated in 2003-04. It focuses to provide students a strong foundation in computer science and its applications. It is an extensive course that encompasses both theoretical and practical components of computer science, such as programming, algorithms, data structures, software engineering, and computer hardware. In 2024-25, 324 students were admitted and 351 students completed their degrees.
- ❖ **B. Tech. in Computer Science & Engineering (AI & ML):** This program has been initiated in 2024-25. It focuses on developing intelligent systems that can perform tasks that typically require human intelligence, such as natural language processing, machine/deep learning, robotics, and computer vision. In 2024-25, 38 students were admitted.
- ❖ **B. Tech. in Computer Science & Engineering (Data Science):** This program has been initiated in 2024-25. It involves the study of techniques for extracting insights and knowledge from large and complex datasets. Students learn data analysis, statistical modelling, machine/deep learning, and data visualisation skills.

In 2024-25, 08 students were admitted.

Postgraduate Program

- ❖ **M. Tech. in Computer Science & Engineering:** This program has been initiated in 2006-07. This course is offered to the students after receiving a bachelor's degree within the same discipline or any other related field. The program covers advced learning and performance optimization of algorithms, data structures, designing and implementing complex network architectures, distributed computing systems, database design, computer hardware architecture, operating systems. Also, by taking elective courses, learners can specialize in topics such as **cybersecurity, data science, cloud computing, robotics etc.**

In 2024-25, 02 students completed the degree.

Doctoral Program

- ❖ **PhD in Computer Science & Engineering:** This program has been initiated in 2006-07. This is a 3 to 6 year-long comprehensive nature program which provides a research-oriented education in preparation for a career in research, industry, or academia and explores the fundamental aspects of computer science and engineering as well as their applications.

In 2024-25, 02 research scholars joined this program.

PhD Awarded

- Mr Praveen Goyal with thesis entitled, "Plant Disease Identification Using Machine Learning For Precision Agriculture", under the supervision of Dr. Dinesh Kumar Verma and Prof. Shishir Kumar in November 2024.
- Mr. Shivendra Dubey with thesis entitled "Genome Sequence and Mutation Rate analysis of COVID-19 using Data Mining", under the supervision of Dr. Dinesh Kumar Verma and Prof. Mahesh Kumar in Feburuary 2025.

Major Facilities in Department

- **Computer labs:** Department consists of total of **six** air conditioned computer labs with the latest configuration around 400 computer sytems. These labs provide access to computing systems and software for students to use during their studies.
- **Mobile application development lab:** To understand the components and structure of mobile application development frameworks for Android and windows OS based mobiles.
- **Network technology lab:** This lab is equipped with the latest configuration of IBM computer (Intel® Core™ i3 2100 CPU@3.10 GHz, RAM 2GB, HDD 320 GB, DVD/CD ROM) along with various netwok simulators to carry out networking experiments on a real time simulator like LAN Trainer.
- **AR-VR lab:** This laboratory is used for development of tools, visualization environments and applications based on Augmented Reality (AR) and Virtual Reality (VR) technologies for tracking, natural interaction, computer vision techniques and visual analytics.
- **IoT lab:** The main objective of Internet of Things (IoT) lab is to explore the applications of sensors based smart objects. The IoT lab is equipped with Arduino, Raspberry Pi and other connectivity modules along with various many sensors in the lab to explore myriad of applications.
- **AI/ML lab:** This lab focuses on the recent advances in areas of Artificial Intelligence and Machine Learning (AI and ML). The major thrust areas of current research include image and video content analysis, computer vision, medical image computing, natural language processing, and machine/deep learning.

Slient Features of Department

- Outcome Based Education, continuous assessment and motivation for self learning
- Highly qualified and research oriented faculty
- Industry oriented learning through practical/hands-on approach
- Excellent infrastructure and computing facilities
- Strong focus on placement preparation and remarkable placement records
- Strong alumni and industry interaction
- Well defined student counseling and mentoring process
- Well defined teaching-learning process with use of technology based teaching methodologies
- Student's participation in various National level Hackathons
- Excellent environment for all round development of students under student chapters and clubs

Patent/Design/Copyright

- Mr. Mahakant Sharma published patent entitled "Student Performance Prediction Device" in April 2025
- Dr. Amit Shrivastava published patent with Patent number: 425689-001 in November 2024.
- Dr. Amit Shrivastava published patent with Patent number: 425687-001 in September 2024.
- Dr. Amit Shrivastava published patent with Patent number: 425688-001 in September 2024.

Faculty Achievements

- Prof. Vipin Tyagi and Prof Mahesh Kumar, an expert for the research proposal's evaluation MPCST's Young Scientists Congress Organized by MPCST Bhopal and Vikram University Ujjain (MP), March 29-29, 2025.
- Prof. Vipin Tyagi, Dr. Kunj Bihari Meena delivered a lecture as part of the "Faculty Induction Programme (Guru Dakshata)," organized by the Malaviya Mission Teacher Training Centre (MMTTC) at Indira Gandhi National Tribal University (IGNTU), Amarkantak, MP, from 1st to 30th November 2024
- Prof. Vipin Tyagi got an appreciation certificate from IEEE India council Industry and Academia Young Professional Committee (IAYPC) for his voluntary contribution as Academic Mentor during 20 Aug 2024 to 20 Dec 2024
- Dr. Gaurav Saxena has been bestowed with the esteemed IETE Fellow membership, a prestigious recognition approved by the IETE committee. Membership No.: F-505180.

Alumni Achievements

- Ishak Mall, Batch 2017-21, hounred third consecutive year with prestigious "Tech Domain Maestro: Infosys HiLife Excellence Awards 2025" in April 2025.

Conferences/Workshops /Training/short term course organized

- Dr. Prateek Pandey coordinated a one day workshop on "National Intellectual Property Awareness Mission" organised by Intellectual Property Office, India on April 30, 2025.
- Prof. Vipin Tyagi coordinated the online training course on Geodata Processing using Python and Machine Learning conducted by IIRS ISRO during 17-28, February 2025.
- Prof. Vipin Tyagi, working with Jaypee University of Engineering and Technology Guna, has coordinated the online training course on Space Science and Technology awareness training (start) under ISRO START .Programme during 09-29 January, 2025,

- A one-week Teachers Training Program on “Capacity Building in Deep Learning and Cyber Security” was organized by the Department of Computer Science and Engineering, Jaypee University of Engineering and Technology, Guna during May 13-17, 2024.. The program was coordinated by Dr. Nileshkumar Patel and Dr. K B Meena

Conferences/Workshops /Training/short term course attended

- Prof Vipin Tyagi attended a Faculty Development Program on Cyber Security organized by Skill Dzire-AICTE during March 17-31 2025.
- Prof. Mahesh Kumar delivered a session as Guest of Honour in international conference on “Sustainable Practices in Technology, management and Education: Building a Resilient Future (SPTME 2023) at Greater Noida (UP) held on October 30-31, 2023
- Prof. Mahesh Kumar served as Guest of Honour in international conference on “Sustainable Practices in Technology, Management and Education: Building a Resilient Future (SPTME 2023) Greater Noida (UP) held on October 30-31 2023.
- Dr. Rahul Pachauri attended a one week Staff Development Program (SDP) on “High Frequency Structure Simulator (HFSS)” organised by Deptt. Of ECE, JUET Guna, during May 26-31, 2025
- Prof Mahesh Kumar completed a 1 week online course on “The method of Space Science Research” organised by ISRO during May 5-9, 2025.
- Prof Mahesh Kumar, Dr. Rahul Pachauri participated in a 1-Day training program on “National Intellectual Property Awareness Mission” organised by Intellectual Property Office, India on April 30, 2025.
- Prof Mahesh Kumar participated in a 15 Days Faculty Development Program on “Artificial intelligence” organised by SkillDezire, AICTE, and SWAYAM Plus during March 17- 31, 2025,
- Prof Mahesh Kumar attended a Faculty Development Program on Artificial Intelligence organized by Skill Dzire-AICTE during 17-31 March, 2025
- Dr. Prateek Pandey attended a Faculty Development Program on “Deep Learning” organized by Skill Dzire-AICTE during 17-31 March, 2025.
- Dr. Rahul Pachauri, Dr. Prateek Pandey, Dr. Kunj Bihari Meena attended and completed an online course on “Geodata Processing Using Python and Machine Learning” by IIRS, Dehradun during 17-28, February, 2025
- Dr. Rahul Pachauri attended Faculty Enabled Program (FEP) on Artificial Intelligence organized by Infosys Springboard during 17-21 February, 2025.
- Dr. Prateek Pandey completed a Faculty Development Program on “Building Web Development Solutions with Cloud Computing” under the Next Gen Employability Program conducted by Edunet Foundation during 27-31 January, 2025.
- Dr. Partha Sarathy Banerjee participated in one day online workshop titled “Raman Spectroscopy and its Applications in Earth Observation” organised by the Indian Institute Of Remote Sensing (Dheradun), Indian Space Research Organisation, Department of Space, Government Of India through IIRS Outreach Programme conducted on 24 December 2024.
- Dr. Partha Sarathy Banerjee, Assistant Professor of JUET Guna has actively participated in the Two Day Online National Workshop on “Vision Beyond Sight: Clinical and AI Solutions for Glaucoma (CAG-2024)” under the theme of “Leveraging AI Solutions for Better Eye Care” jointly organized by the Center for Medical Imaging Studies (CMIS) under the Department of Electronics and Communication Engineering, Gayatri Vidya Parishad College of Engineering, Visakhapatnam, A.P. and Simadri Surya Eye Hospital, Nabarangapur, Odisha, during 20-21 December 2024.
- Dr. Partha Sarathy Banerjee, Assistant Professor of JUET Guna has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on SMART COMPUTING AND ITS APPLICATIONS IN CYBER DEFENSE & DIGITAL FORENSIC at JALPAIGURI GOVERNMENT ENGINEERING COLLEGE during 16-21 December 2024.

- Dr. Partha Sarathy Banerjee participated in two week online course on "Geo-data sharing and Cyber Security", organised by the Indian Institute Of Remote Sensing (Dheradun), Indian Space Research Organisation, Department of Space, Government Of India through IIRS Outreach Programme during 9-20 December 2024.
- Dr. Partha Sarathy Banerjee, Assistant Professor of JUET Guna has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Building Services in Smart City Through IoT-Edge-Fog-Cloud Federation at National Institute of Technology Warangal during 9-14 December 2024.
- Dr. Partha Sarathy Banerjee, Associate Professor from Jaypee University of Engineering and Technology, Guna has completed the NEP 2020 Orientation & Sensitization Programme (Programme Code: MMC-138-2024-DEC-A-02810) in online mode under Malaviya Mission Teacher Training Programme (MMTTP) of Ministry of Education, Government of India organized by Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC) during 2-11 December 2024.
- Dr. Prateek Pandey, Dr. Dinesh Verma has participated in a two day seminar on “Social Science and Library Science for Viksit Bharat@2047” organized by JUET, Guna (MP) during 7-8 December, 2024.
- Dr. Partha Sarathy Banerjee, Assistant Professor of JUET Guna has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Future Perspectives of AI and Data Sciences: Algorithms and Applications at Indian Institute of Information Technology Design and Manufacturing Kancheepuram during 2-7 December 2024.
- Dr. Partha Sarathy Banerjee received certificate of appreciation for delivering the Vote of Thanks during sessions of the 17th NEP 2020 Orientation & Sensitization Programme (Programme Code: MMC-138-2024-DEC-A-02810) organised by the Madan Mohan Malaviya Teacher Training Centre (MMTTC), Shri Ram College of Commerce during 2-11 December 2024.
- Dr. Partha Sarathy Banerjee participated in two week online course on "RS & GIS Applications in Natural Resource Management", organised by the Indian Institute Of Remote Sensing (Dheradun), Indian Space Research Organisation, Department of Space, Government Of India through IIRS Outreach Programme during 11-22 November 2024.
- Dr. Partha Sarathy Banerjee participated in one week online course on "Overview of Geocomputation and Geo-web Services", organised by the Indian Institute Of Remote Sensing (Dheradun), Indian Space Research Organisation, Department of Space, Government Of India through IIRS Outreach Programme during 4-8 November 2024.
- Dr. Prateek Pandey has completed an online FDP on “Deep Learning” organized by SkillDzire in collaboration with AICTE during 19 October to 18 November 2024.
- Prof. Vipin Tyagi has completed an online FDP on “Artificial Intelligence” organized by SkillDzire in collaboration with AICTE during 19 October to 18 November 2024.
- Prof. Vipin Tyagi, Dr. Dinesh Verma organized the Youth Parliament Sitting (Tarun Sabha), on November 09, 2024 under the digital Youth Parliament Programme of the Ministry of Parliamentary Affairs, Govt. of India.
- Prof. Mahesh Kumar has completed an online FDP on “Artificial Intelligence” organized by SkillDzire in collaboration with AICTE during 19 October to 18 November 2024.
- Mr. Navaljeet Singh Arora attended “The Advanced Drone Technology (Air Taxi)” workshop conducted by India Space Lab on November 24, 2024.
- Dr. Partha Sarathy Banerjee participated in one day online workshop titled “Space based inputs for Village level crop assessment” organised by the Indian Institute Of Remote Sensing (Dheradun), Indian Space Research Organisation, Department of Space, Government Of India through IIRS Outreach Programme conducted on 28 October 2024.
- Dr. Partha Sarathy Banerjee participated in the “Workshop on Photonic Sensors for Biosensing Applications”, organized by the Indian Institute of Technology (ISM) Dhanbad, Jharkhand, India. The workshop was sponsored by the Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India during 17-19 October, 2024.

- Dr. Partha Sarathy Banerjee completed two week online course on "Antariksh Prodyogiki Ka Avlokan"/"An Overview of Space Technology", organised by the Indian Institute Of Remote Sensing (Dheradun), Indian Space Research Organisation, Department of Space, Government Of India through IIRS Outreach Programme during 9-20 September 2024.
- Dr. Partha Sarathy Banerjee participated in one day online workshop on “Understanding Cryospheric Hazards” organised by the Indian Institute Of Remote Sensing (Dheradun), Indian Space Research Organisation, Department of Space, Government Of India through IIRS Outreach Programme on 6 September 2024.
- Dr. P S Banerjee, Prof. Mahesh Kumar completed a Short Term Programme on Research Methodology held from October 21-26, 2024 by Malviya Mission Teachers Training Center, SRCC, New Delhi.
- Dr. P S Banerjee, Prof. Mahesh Kumar has completed an online course on “Remote Sensing and Digital Image Analysis” organized by ISRO and IIRS, during 27 August to 20 September 2024.
- Dr. P S Banerjee, Prof Mahesh Kumar, Dr. Gaurav Saxena, Dr Kunj Bihari Meena completed an online Course On “AI/ML For Geodata Analysis” organized by ISRO and IIRS, during 19 August 2024 To 23 August 2024.
- Dr. P S Banerjee, Dr. Dinesh Kumar Verma completed an online Course On “Overview of Geographical Information System” organized by ISRO and IIRS, during 14 October 2024 to 01 November 2024.
- Dr P S Banerjee, Dr. Dinesh Kumar Verma completed an online Course On “Overview of Global Navigation Satellite System” organized by ISRO and IIRS, during 23 September 2024 to 04 October 2024.
- Dr. Rahul Pachauri completed a course on “Innovation Ambassador Training (Advanced Level)” organized by the Ministry of Education and AICT during October 2024.
- Dr. Rahul Pachauri completed a course on “C Programming 101” organized by Infosys Springboard during October 2024.
- Prof. Vipin Tyagi completed a Short Term Programme on Research Methodology held from October 21-26, 2024 by Malviya Mission Teachers Training Center, SRCC, New Delhi
- Dr. Dinesh Kumar Verma completed a Short Term Programme on Research Methodology held from October 21-26, 2024 by Malviya Mission Teachers Training Center, SRCC, New Delhi
- Dr. Rahul Pachauri completed a course on “Innovation Ambassador Training (Foundation Level)” organized by the Ministry of Education and AICT during September 2024.
- Dr. P S Banerjee, Dr. Rahul Pachauri attended webinar on “Contributions of Department of Atomic Energy & RRCAT towards nation building” organized by Deptt of ECE, JUET, Guna on August 24, 2024.
- Dr. Rahul Pachauri, Dr Prateek Pandey, Dr Kunj Bihari Meena, Dr. Gaurav Saxena, Dr. P. S. Banerjee completed an online course on “Remote Sensing and Digital Image Analysis” organized by ISRO and IIRS, during 27 August to 20 September 2024.
- Dr. Prateek Pandey has completed an 8 week NPTEL-SWAYAM MOOC course on “Strategy: An Introduction to Game Theory” during July to September, 2024.
- Prof. Vipin Tyagi completed a course on “Innovation Ambassador Training (Reskilling)” organized by the Ministry of Education and AICT during Aug. 2024.
- Dr. P S Banerjee, Dr. Gaurav Saxena participated “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) during 8-18 August, 2024.
- Dr. P S Banerjee, Dr. Prateek Pandey, Dr. Rahul Pachauri, Dr Kunj Bihari Meena, Prof Mahesh Kumar, Prof. Vipin Tyagi, Mr. Navaljeet Singh Arora participated in the one week workshop on "Outcome Based Education" organized by IQAC, JUET Guna , held during 08-13 July, 2024.
- Dr. Rahul Pachauri completed a course on “Basics of Python” organized by Infosys Springboard during July 2024.

- Dr Kunj Bihari Meena has participated in the international Faculty Development Program on “Machine Learning and Artificial Intelligence” organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, held during 12-19 August, 2024.

Publication (In Journals)

❖ Scopus

- Kumar, SHRIVASH & Kumar, VERMA & Prateek, PANDEY. (2025). A Novel Framework for Text Preprocessing using NLP Approaches and Classification using Random Forest Grid Search Technique for Sentiment Analysis. ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH. 59. 89-105. 10.24818/18423264/59.2.25.06.
- DS Kushwah, Mahesh Kumar, “New Path Scheduling Approach for Multipath Transmission Control Protocol”, Scalable Computing: Practice and Experience 26 (1), 337-348, January 2025.
- S Dubey, DK Verma, Mahesh Kumar, “Genome Sequence Analysis of Severe Acute Respiratory Syndrome Using GenoAnalytica Model”, Scalable Computing: Practice and Experience 26 (1), 361-370, January 2025.
- Manorma Chauhan, P S Banerjee, Amit Kumar, “FruitClass: A Fruits classification System using Modified MobilenetV3 with hard swish function”, Applied Fruit Science Erwerbs-Obstbau, issue 47, vol. 67, February 2025. DOI: <https://doi.org/10.1007/s10341-025-01269-y>
- Chetan Gupta, Amit Kumar, Neelesh Kumar Jain, “Intrusion Defense: Leveraging Ant Colony Optimization for Enhanced Multi-Optimization in Network Security”, Springer Nature Peer-to-Peer Networking and Applications, Accepted for publication (21 Jan 2025)
- Gaurav Saxena, Subodh Singhal, Snehal Bhosale, Prateek Paney “A Phase Modulation-Based Approach for Theft-Proof Electricity Distribution in India Using CDMA Technology” in JESA, vol. 57, 1687-1695, Dec 2024. DOI: <https://doi.org/10.18280/jesa.570616>
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- Shivendra Dubey, Dinesh Kumar Verma, and Mahesh Kumar, “ Real-time infectious disease endurance indicator system for scientific decisions using machine learning and rapid data processing” PeerJ Computer Science 10:e2062. July 2024. DOI: <https://doi.org/10.7717/peerj-cs.2062>

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- Divyanshu Prajapati , Indranil Samanta , Amit Kumar , Pankaj Dumka “Real-time Ad Click Prediction: Logistic Regression vs. Decision Tree” in International Journal of Scientific Research in Computer Science and Engineering, Vol.12, Issue.6, pp.34-40, December 2024 E-ISSN: 2320-7639
- Amit Kumar, Tanishq Agarwal, Ayushi Dwivedi, “Automating API Performance Testing with CI/CD Pipelines”, Journal of Computer Science Engineering and Software Testing e-ISSN: 2581-6969, Vol. 10, Issue 3, pp: 43-52, December, 2024. DOI: <https://doi.org/10.46610/JOCSES.2024.v10i03.004>

Publication (In Conferences)

- Joshi, A.K., Kumar, A., Patel, N.. Investigating the Dissemination of Deepfake Conversations on Social Media via Tweeting. In: Gupta, V.B., Shandilya, S.K., Ortiz-Rodríguez, F., Martínez-Rodríguez, J.L. (eds) Business Intelligence, Computational Mathematics, and Data Analytics. IBCD 2024. Communications in Computer and Information Science, vol 2413, May 2025. Springer, Cham. https://doi.org/10.1007/978-3-031-87511-3_8
- Manorama Chouhan, P S Banerjee, Kunal Mishra, Rudransh Gupta, “Optimizing Unrestricted Compressive Strength of Stabilized Soil Using Naive Bayes and a Multimodal Machine Learning Approach for Calcium Oxide and Cement Prediction” in the 6th International Conference on Communication and Intelligent Systems (ICCIS 2024), Organized by Maulana Azad National Institute of Technology (MANIT), Bhopal, Technically Sponsored by Soft Computing Research Society, November 08-09, 2024, <https://scrs.in/conference/iccis2024>.
- Chetan Gupta, Dr. Amit Kumar, Dr. Neelesh Kumar Jain, “Advanced Neural Network Optimization Techniques for Superior Accuracy and Performance in Intrusion Detection Systems International Conference on Data Mining and Information Security (ICDMIS 2024), Eminent College of Management and Technology, West Bengal, India, 07-08 October 2024. Proceedings published in Springer (LNNS Series-Approved) (**Scopus indexed**)
- Malviya, Sachin, Shivendra Dubey, Sudheer Kumar Lodhi, Devendra Parmar, Kapil Raghuwanshi, and Dinesh Kumar Verma. "Revealing a State-of-the-Art Machine Learning Architecture for Comprehensive Evaluation of Hepatitis Disease." *Parul International Conference on Engineering and Technology (PICET)*, pp. 1-6. IEEE, October 2024.
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- Chetan Gupta, Dr. Amit Kumar, Dr. Neelesh Kumar Jain, “ Optimization Accuracy of Intrusion Detection System Based on Multilayered Neural Network”, International Conference on Business Intelligence, Computational Mathematics, and Data Analytics (iBCD) 2024, Devi Ahilya Vishwavidyalaya, Indore India, 23-24 August 2024. Proceedings published in CCIS-Springer. <https://www.springer.com/series/7899>

Publication of Books

- Gaurav Saxena, Shefali Sharma, and Ranu Gupta “Power Electronics”, *Deccan International Academic Publishers*, October 2024, ISBN: 978-81-980462-9-1. <https://doi.org/10.5281/zenodo.13992722>

Publication of Book Chapters

- Sharma, S., Tyagi, V., Vaidya, A. . Security and Privacy Challenges of Metaverse in Education. In: Singh, M., *et al.* Advances in Computing and Data Sciences. ICACDS 2024. Communications in Computer and Information Science, vol 2194, October 2024. Springer, Cham. https://doi.org/10.1007/978-3-031-70906-7_8
- Rajpoot, A.K., Agrawal, H.S., Agrawal, G., Singh, J., Tyagi, V. (2025). An Ensemble Deep Learning Framework for Enhancing Sentiment Analysis. In: Singh, M., *et al.* Advances in Computing and Data Sciences. ICACDS 2024. Communications in Computer and Information Science, vol 2194. October 2024. Springer, Cham. https://doi.org/10.1007/978-3-031-70906-7_3

Department of Electronics & Communication Engineering

The Electronics & Communication Engineering department offers B Tech, M Tech and PhD programs in Electronics and Communication Engineering. The elective based curricula of B Tech program focuses on

conceptual understanding and practical training. Students are provided with a sound foundation in the basic sciences (Maths and Physics), coupled with courses in Humanities and Social Sciences. The academic system lays great emphasis on continuous evaluation and transparency. By means of well designed tutorials and practicals, every effort is made to reinforce the concepts taught in the classroom. In the final year, major projects are assigned to students. Industry internship after the 6th semester is an integral part of the academic program leading to the overall development of a student through exposure to practical skills in real life situations. Education Methodology comprises multiple learning stages, specifically lectures, self-study, tutorials, lab work, assignments, projects, research, internships, guest lectures, seminars, continuous evaluation, examinations and personality development programs.

To keep pace with the rapidly evolving electronics industry requires unwavering passion and urge to innovate. Electronics and Communication Engineering discipline spans a diverse set of intellectual subfields and applications. The subfields can be grouped into overlapping and interrelated areas like Signal and Image Processing, Semiconductor Device Design, Communication Systems, Data Communication Networks, Microwave and Antenna Design, Internet of Things, Wireless Communication, Microelectronics, Embedded Systems, VLSI Design, and many more. Options to take many elective subjects provide a wonderful opportunity to the students to gain further specialization in varied domains of ECE. Students are also offered a number of courses in Computer Science and Engineering to meet the requirements of academics as well as industry. They shall undertake courses in Basic Sciences, Mathematics, Basic Engineering as well as a part of the curriculum. The program is fully supported by excellent laboratories for all the core courses like Electrical Science, Communication systems, Digital Electronics, VLSI, Digital signal processing etc. These labs are equipped with state-of-the art instruments and software tools to enable students to perform, testing of their experiments and projects.

Programs Offered:

B. Tech - Electronics and Communication Engineering:

B. Tech. in Electronics & Communication Engineering (ECE) is designed to enhance student's ability to bring technological excellence using Innovation. The career growth and opportunities for ECE graduates may cover a wide range. Still, the bedrock for their success and deep understanding of engineering principles is built on mathematical and computational concepts, laboratory exercises, and project work. Keeping this in mind, the department gives core subjects in the areas of Digital Signal Processing, VLSI and Microelectronics, Data Communication Networks, Microwave and Antenna, Embedded Systems, Internet of Things and its applications which systematically build up solid foundations and depth in these areas. Also Laboratory work and independent projects strengthen their ability of analysis, design, and experimentation in various areas. ECE is a multi-dimensional branch and ECE engineers are highly in demand in most Public sectors (PSUs) like BHEL, BEL, GAIL DRDO, ISRO, NTPC, HAL, BSNL, MTNL, Indian Railway ,IOCL etc. as well as in private companies such as Samsung, IBM, Intel, Qualcomm, Cisco, Juniper, Nokia, British Telecom, ST Microelectronics, Sony, National Instruments, Rockwell Automation, and Texas Instruments, etc

B. Tech - Electronics Engineering (VLSI Design & Technology)

B.Tech. in Electronics Engineering (VLSI Design & Technology) offers to students a dynamic journey into the heart of cutting-edge technology. This specialized program delves deep into the intricate world of Very Large Scale Integration (VLSI) circuits, preparing students to become adept engineers in the ever-evolving field of semiconductor technology which is alignment with the semiconductor policy of the Government of India under India Semiconductor Mission (ISM), Govt. of India. Moreover, this program is designed to foster innovation and creativity. Through collaborative projects and research opportunities, students are encouraged to push the boundaries of conventional thinking and explore novel solutions to complex engineering challenges. This emphasis on innovation not only equips students with the ability to adapt to emerging technologies but also instills in them a passion for continuous learning and problem-solving. Overall, the B.Tech. Program in VLSI

Design and Technology promises to be a trans-formative experience, preparing students to thrive in a fast-paced and dynamic industry.

*There is no admission in academic year 2024-25.

M. Tech - Electronics and Communication Engineering:

M Tech program is aimed at providing a deeper understanding of the mathematical, theoretical, practical, and application aspects signal processing and creating professionals who are industry-ready. The curriculum comprises theoretical subjects advanced signal processing, optimization techniques, statistical signal processing, image and video processing, biomedical signal processing, speech and fuzzy logic, etc., labs and two semester long project.

*There is no admission in academic year 2024-25.

M. Tech – ECE with specialization in Micro Electronics and VLSI Design

This specialization is designed to provide electronics engineers with the highly specialized knowledge and experience that they need to design, fabricate, and test devices, circuits, and systems at the micro-scale. The specialization offers a set of courses that allow students to gain expertise in areas that include back-end and front-end microelectronic designs such as processor and SoC design, etc.

*There is no admission in academic year 2024-25.

M. Tech - ECE with specialization in Internet of Things

The programme is designed for students who wish to transition to IoT career opportunities in sectors such as IT, Automotive, Manufacturing, Energy, Telecom and Logistics. Engineers currently working in organizations that either provide IoT products & services, or design & implement IoT solutions for transforming their own business should also consider applying to this programme.

This specialization is designed to provide the basic IoT architectural overview, its design principles and needed capabilities, as well as concepts for real-world designs. Increased penetration of affordable devices, combined with cloud computing, analytics and rising consumer expectations is driving the rapid growth of the IoT market. IT, Automotive and Heavy Engineering are only some of the industries which are driving the demand for IoT solutions.

*There is no admission in academic year 2024-25.

Ph.D. Program in Electronics & Communication Engineering

The award of the PhD degree by the University is in recognition of high academic achievements demonstrated by independent research and application of knowledge to the solution of technical and scientific problems. Creative and productive inquiry is the basic requirement underlying research work. The academic program leading to the Ph.D. degree is broad-based and may involve course credit requirements at the discretion of the university and a non-optional research thesis. The PhD program is offered in following areas: digital signal processing, multi-dimensional and multi-rate signal processing, image processing, wavelet analysis and pattern recognition, wireless communication, mobile communication, digital communication, multi-carrier communication systems, soft computing, neural networks, renewable energy, RF and microwave tubes, micro-strip antenna, VLSI system design, low-power and fault tolerant VLSI system design, embedded system design, approximate computing.

*There is no admission in academic year 2024-25.

Salient Features of Department

- Highly qualified, experienced, and dedicated faculty members who are envisaging research in a wide spectrum of areas, including Signal & image processing, Communication & Networking, VLSI, Embedded Systems and RF & Microwave technologies to make the students' career path brighter.
- Detailed academic planning well before the start of each semester.
- Student-centric learning in the form of conducting workshops, STTPs, guest lectures.
- IETE Student Forum (ISF), a student club for nurturing the innovative ideas of students.
- A strong awareness and motivation among students to be creative and innovative resulting some innovative projects through ISF club.
- Students participate in national and state-level technical competitions by winning many prizes showing their hidden talents.
- IETE forum for professional growth.
- Student peer learning initiatives.
- Good number of student internships in industries.
- Quality assurance through academic audit.
- Active feedback mechanism for better teaching learning process.
- Meticulous student mentoring by remedial classes and counselling.
- Memberships in Professional Societies like IEEE, IETE, VSI, IETE, Indian Science Congress.
- Judicious mix of hardware and software based experiments,
- Emphasis on learning through design and simulation,
- Strong interaction with alumni and industry
- Higher emphasis on project and project based learning
- State-of-the-Art courses in Mobile Communications, Telecommunications Networks, Signal Processing, Digital System Design, Embedded Systems and Soft computing.

Major Facilities in Department

The department has good infrastructure with eight different labs. All the labs are fully equipped to cater to present-day advanced technology. There are some advanced labs like:- VLSI Lab (Xilinx) and DSP lab with MATLAB software.

State-of-the-art laboratories

- Basic Electronics & Electrical Lab
- DSP Lab
- VLSI Lab
- Digital & Microprocessor Lab
- Communication Lab-1
- Analog Electronics Lab
- Power Electronics Lab
- PCB Lab

Major Equipments:

PCB Etching Machine, PCB Drilling Machine, PCB Roller Tinning Machine, PCB Shearing Machine, PCB Art Film Maker, PCB Proto Developer/ Dye, Ultra Violet Exposure Unit, Photo Resist Dip Coating Machine, PCB Curing (Oven) Machine, VLSI Universal Trainer kit, Advance FPGA/CPLD Trainer Board on Altera, Advance FPGA/CPLD Trainer Board on Xilinx, Low cost FPGA/CPLD trainer Based on Altera/Xilinx, Xilinx ISE Logic Edition 11.1i (25 user), FPGA/CPLD trainer kits based on Xilinx, Embedded system trainer in

circuit emulator kit (8031microcontroller trainer),General purpose digital IC trainer,8085/ 8086/8031 Microprocessor kit,08098 channel ADC module kit.

Laboratory Courses run by the department:

Electrical Science Lab, Electrical Circuit Analysis Lab, Signals & Systems Lab, Digital Signal Processing Lab, Robotics Programming Lab, VLSI Lab, Electronics Design & Simulation Lab (M. Tech)/ Research Lab, Digital Circuit Design Lab, Microprocessor & Interfacing Lab, Digital Systems & Microprocessor Lab, Analogue Communication Lab, Digital Communication Lab, Measurement & Instrumentation Lab, Advanced Communication System Lab, Transducer Engineering Lab, Analog Electronics Lab, PCB Lab, Power Electronics Lab, Hardware Lab

PhD Awarded:

Doctor of Philosophy degree has been awarded to the following scholars:-

- (a) Mr. Manoj Kumar on 13 December 2024 in Electronics & Communication Engineering.
- (b) Mrs. Rishika Chauhan on 04 April 2025 in Electronics & Communication Engineering.

Patent/Design/Copyright

- Dr. Gaurav Saxena, Dr.Amit Kumar Srivastava, **Dr. Subodh Kumar Singhal**, Nitesh Pandey published a patent titled" CHAIR" Patent Application No. 425689-001 with patent office India on 03-08-2024.
- Dr. Gaurav Saxena, Dr.Amit Kumar Srivastava, **Dr. Subodh Kumar Singhal**, Nitesh Pandey published a patent titled" SOWER STICK" Patent Application No. 425690-001 with patent office India on 03-08-2024.
- Dr. Gaurav Saxena, Dr.Amit Kumar Srivastava, **Dr. Subodh Kumar Singhal**, and Nitesh Pandey published a patent titled"SEGWAY SCOOTER" Patent Application No. 425687-001 with patent office India on 03-08-2024.
- Dr. Hiren Jayantilal Dand, Mr. Santosh Shakya, Dr. V KANDAVEL, Harish M, Dr.R.Satish Kumar, Mr.M.M.ARUN PRASATH, **Dr. Ranu Gupta**, Srinivasan P, Dr.B.Antline Nisha, Mr.K.B.Hariharan, published a patent titled "IoT-based Energy Management System for Automated Home Automation". Application No. 202421083973 with patent office INDIA on Nov. 29, 2024.
- Dr.Sonia.H.Bajaj, Mr. Pravin Patil, Dr. Bala Dhandayuthapani V., Mr. Khader Basha SK, **Dr. Ranu Gupta**, Dr.Madona B Sahaai, Mr. Prabhu D, Dr.M.Monisha, Mrs.Chinmaya Bari, Aditya, published a patent titled "AI-Powered Blockchain-Enabled System for Secure Detection by Classification of Plant Diseases Using Image Processing with IoT Data Integrity Techniques", Application No. 202521045742 with patent office INDIA on May 2025.

Faculty Achievements:

- Dr. Narendra Singh and Dr. Ravi Kumar were selected as Technical Program Committee Member in 10th International Conference on Signal Processing and Communication (ICSC) held during February 20-22, 2025 at Jaypee Institute of Information Technology, Noida, India.
- Dr. Ravi Kumar was selected as organizing Committee Member in International Conference on Mechanical and Materials Engineering, organized by Jaypee University of Engineering and Technology, Guna during 28- 30th April, 2025.
- Dr. Ravi Kumar was selected as Review Committee Member in 3rd IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2025) organized by IEEE MP Section and ABV-IIITM Gwalior, India during 6-8th March 2025.
- Dr. Ravi Kumar attended as Session Chair in International Conference on Mathematics and and Logics in Computer Science (ICMLCS 2024) organized by Allenhouse Institute of Technology, Kanpur during 30 - 31st August, 2024.

- Dr. Rajesh Kumar Vishwakarma was selected as a Review Committee Member for the 13th International Conference on Recent Challenges in Engineering and Technology (ICRCET-2024), held in Chennai in August 2024.

Achievements of Alumni:

- Ms. Shivangi Singh an alumna of B.Tech ECE (2010-14) is promoted to Associate Technical Manager at GSPANN Technologies, Inc, Bengaluru.
- Mr. Nitish Sanadhya an alumnus of B.Tech ECE (2004-08) has joined Member Board of Directors at Fortress Investment Group, London, England, UK.
- Mr. Bharat Saini an alumnus of B.Tech ECE (2007-11) has joined as CLM Solution Architect at The Adecco Group, Bengaluru.
- Ms. Monika Sinha an alumna of B.Tech ECE (2014-18) has joined as Senior Consultant at Deloitte, Noida.
- Mr. Dr. Mahesh K. Singh an alumnus of P.hD Speech Signal Processing (2014-19) is promoted to Professor at Aditya University, Kakinada, AP.
- Mr. Mitesh Khandelwal an alumnus of B.Tech ECE, batch 2007-11 is promoted to Principal Software Engineer 1 at Saama, Pune.

The ISF JUET, Guna organized following activity during July 24- June 25.

S. No.	Date	Activity	Activity Name
1	06-09/08/24	Workshop	Basics of Electronics Components
2	23-08-2024	National Space Day	MoonDash-The Rover Relay
3	27-08-2024	Technical Event	ISF Orientation
4	30-09-2024 to 01-10-2024	Project	Interactive Project Learning
5	14-10-2024	Membership	ISF Membership drive
6	15-17-2024	Tachyon-2024	Mazebot, roborace, LaserTag and Junkyard war
6	20-22/01/25	Workshop	Raspberry Pi
7	23-25/03/25	Workshop	Web Development (Code Conquerors)
8	27/04/25	Hackathon	Hacktron (Code Conquerors)
9	07-09 /05/25	Fun Carnival	Loop Wire, Robo Race and RoBo War

Conferences/Workshops /Training/short term course organized:

- Dr. R. K. Vishwakarma and Dr. Deepak Sharma organized a one week staff training program entitled, “**High Frequency Structure Simulator (HFSS)**”, from 26th May to 31st May 2025 at Jaypee University of Engineering and Technology, Raghogarh, Guna.

- Dr. P. S. Banerjee **Dr. Deepak Sharma** organized National Science Day Program, “**Vigyaan Parv-2025**”, from 27th Feb to 5th of March 2025 at Jaypee University of Engineering and Technology, Raghogarh, GunaCatalysed [Supported by National Council for Science and Technology Communication (NCSTC), DST, GOI, New Delhi and M. P. Council of Science and Technology (MPCST) Bhopal]
- Dr. Manish Patidar and Dr. Deepak Sharma organized a webinar entitled “**Contributions of the Department of Atomic Energy & the RRCAT towards Nation Building**” on **August 23, 2024**, as part of **National Space Day 2024** celebrations.
[Resource person:Dr. Suresh Verma, Head of the Photonic Materials Technology Section at **Raja Ramanna Centre for Advanced Technology (RRCAT), Indore – 452013, M.P.&Professor (Physical & Engineering Sciences) at the Homi Bhabha National Institute, Mumbai – 400094, M.H.**]

Conferences/Workshops /Training/short term course attended:

- Dr. Narendra Singh, Dr. Shefali Sharma, Dr. Subodh Kumar Singhal, Mrs. Rishika Chauhan, Dr. Ravi Kumar, Dr. Manish Patidar and Dr. Deepak Sharma attended a webinar entitled “**Contributions of the Department of Atomic Energy & the RRCAT towards Nation Building**” on **August 23, 2024**, at Jaypee University of Engineering and Technology, Raghogarh, Guna.
- Dr. Deepak Sharma, Dr. Narendra Singh ,Dr. Rajesh Kumar Vishwakarma,Mrs. Rishika Chauhan,Dr. Shefali Sharma, Dr. Subodh Kumar Singhal and Dr. Ravi Kumar attended one week workshop on “**Outcome based Education**” organized by Jaypee University of Engineering and Technology, Guna during July 8-13, 2024.
- Dr. Deepak Sharma, Mrs. Rishika Chauhan,Dr. Shefali Sharma and Dr. Narendra Singhparticipated in a two-week online refresher course on"**Materials for Energy and Sustainability**"under the Malviya Mission Teachers training program of the university Grant Commission organized by Malviya Mission Teachers training center, Indian Institute of Science Education and Research Bhopal during 04 to 18 November, 2024.
- Dr. Deepak Sharma attended in a one-day workshop titled "**Understanding Cryospheric Hazards**"conducted by the Indian Research Space Organization, Department of Space, Government of India, on November 6, 2024, under the IIRS outreach Program.
- Dr. Subodh Kumar Singhal, Dr. Narendra Singh and Dr. Deepak Sharma participated in an online course titled"**Overview of Global Navigation Satellite System**"organized by the Indian Research Space Organization, Department of Space, Government of India conducted during Sep 23 to October 4, 2024, under IIRS outreach Program.
- Dr. Deepak Sharma participated in an online course titled"**Overview of Geo-computation and Geo-Web Services System**"conductedby Indian Research Space Organization, Department of Space, and Government of India conducted from 4-8 November, 2024 under IIRS outreach Program.
- Dr. Deepak Sharma participated in one day online workshop titled "**Space based Inputs for Village level Crop Assessment**"organized by Indian Research Space Organization, Department of Space, Government of India conducted on 28, October, 2024 under IIRS outreach Program.
- Dr. Deepak Sharma attended one day VLSI Workshop "**VLSI for ALL**" on May 1, 2025 organized at JUIT Wakaghat, Solan.
- Dr. Deepak Sharma has successfully completed an online faculty development Program on titled "**IOT**"organized by SkillDzire in collaboration with AICTE during 17-Mar-2025 to 31-Mar-2025.
- Dr. Deepak Sharma has completed an online one-Month faculty development Program on titled "**PCB Design**"organized by SkillDzire in collaboration with AICTE on 19-November-2024.
- Mrs. Rishika Chauhan, successfully completed the “**1st SHORT TERM PROGRAMME on Research Methodology**”organized by the Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC) from October 21, 2024 to October 26, 2024 under the Malaviya Mission Teacher Training Programme (MMTTP) of the Ministry of Education, Government of India.

- Mrs. Rishika Chauhan has completed successfully online International Workshop on "**Intellectual Property and Rights (IPR)**" from 01-10-2024 to 03-10-2024 at Research and Publication Division, Scholars Gate - Research Training Institute, Tamil Nadu, India.
- Mrs. Rishika Chauhan has completed successfully 1 month Online FDP on "**Deep Learning**" organized by SkillDzire in collaboration with AICTE from 10-10-2024 to 10-11-2024.
- Mrs. Rishika Chauhan has participated in two week online refresher course on "**Materials for energy and sustainability**" under MMTTP of UGC organized by MMTTC, IISER Bhopal from Nov 4 to Nov 18, 2024.
- Ms. Rishika Chauhan, has participated online SDTp as "**Faculty Development program**" on the topic "Essence of Deep Learning and Recent Trends" held on 21 July 2024.
- Dr. Rishika Chauhan attended the online course "**Geodata Processing using Python and Machine Learning**" during 17 February 2025 to 28 February 2025.
- Dr. Rishika Chauhan has completed "**NEP 2020 Orientation & Sensitization Programme**" under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) from 10-02-2025 to 19-02-2025.
- Dr. Subodh Kumar Singhal attended one week online course on "**AI/ML for Geodata Analysis**" organized by ISRO during 19 August 2024 to 23 August 2024.
- Dr. Subodh Kumar Singhal attended three weeks online course on "**Remote Sensing and Digital Image Analysis**" organized by ISRO during 27-08-2024 to 20-09-2024.
- Dr. Subodh Kumar Singhal attended three weeks online course on "Overview of Geographical Information System" organized by ISRO during 14-10-2024 to 01-11-2024.
- Dr. Subodh Kumar Singhal attended two weeks online course on "**Geodata Processing using Python and Machine Learning**" organized by ISRO during 17-02-2025 to 28-02-2025.
- Dr. Subodh Kumar Singhal has attended "**National Intellectual Property Awareness Mission**" organized by Intellectual Property Office, Government of India on 30 April 2025.
- Dr. Shefali Sharma has participated & completed successfully Online International Workshop on "**Intellectual Property and Rights (IPR)**" during 01-10-2024 to 03-10-2024 at Research and Publication Division, Scholars Gate - Research Training Institute, Tamil Nadu, India.
- Dr. Shefali Sharma has successfully completed the 1st Short Term Programme on Research Methodology organised by the Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC) under the Malaviya Mission Teacher Training Programme (MMTTP) of the Ministry of Education, Government of India during October 21, 2024 to October 26, 2024.
- Dr. Shefali Sharma has successfully completed FDP on "**Embedded System**" organized by SkillDzire in collaboration with AICTE. 19 Nov 24.
- Dr. Shefali Sharma has completed the online course on "Overview of Geographical Information System" during 14 October 2024 to 01 November 2024.
- Dr. Shefali Sharma has completed the "**NEP 2020 Orientation & Sensitization Programme**" under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) during 10-02-2025 to 19-02-2025.
- Dr. Shefali Sharma has completed online course on "**Geodata Processing using Python and Machine learning**" during 17/02/25 to 28/2/25.
- Dr. Shefali Sharma attended International Conference on Mechanical and Materials Engineering, organized by Jaypee University of Engineering and Technology, Guna during 28-30th April, 2025.
- Dr. Shefali sharma has successfully participated in IP Awareness/Training program under National Intellectual Property awareness Mission on April 30, 2025
- Dr. Shefali Sharma has completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) from 21-04-2025 to 29-04-2025.

- Dr. Ranu Gupta has completed FDP on “**Artificial Intelligence, Machine Learning and Deep Learning**” organized by IIT Roorkee, GIET University Odisha and CPJ Institute of Management and Technology, Delhi from 13-17 Jan, 2025.
- Dr. Ranu Gupta has completed FDP on “**Image Processing and Pattern Recognition**” organized by IIT Roorkee, GIET University Odisha and CPJ Institute of Management and Technology, Delhi from 20-25 Jan, 2025.
- Dr. Ranu Gupta has completed FDP on “**IoT**” organized by SkillDzire and AICTE from 17-31 Mar, 2025.
- Dr. Ranu Gupta has completed FDP on “**IoT and ML for Advanced Biomedical Signal Processing**” organized by ABVIITM, Gwalior and Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design and Manufacturing, Jabalpur from 15-24 Jan, 2025.
- Dr. Ranu Gupta has completed webinar on “**IoT Framework - Tools, Protocols, and Standards**” organized by IoT Society of India on 28 Feb, 2025.
- Dr. Ranu Gupta has completed FDP on “**IoT Applications with Sensors, Embedded Systems and Data Analytics**” organized by IIT Roorkee, MNIT Jaipur, NIT Patna, IIT Guwahati and IITDM Jabalpur from 17-28 Feb, 2025.
- Dr. Ranu Gupta has completed one week ATAL FDP on “**AI and Digital Technologies for Sustainable Healthcare and Medical Technologies**”, organized by Institute of Technology, Nirma University from 25-30 Nov. 2024.
- Dr. Ranu Gupta has completed One week course on “**Air pollutants: Implications, Monitoring and Modeling**”, organized by ISRO and IIRS, Dehradun from 18-22 Nov. 2024.
- Dr. Ranu Gupta has completed FDP on “**Advanced Research Methodology & Data Analytics**”, organized by Digvijai Nath Post Graduate College, Gorakhpur, UP and Science Tech Institute, Lucknow from 21-27 Oct. 2024.
- Dr. Ranu Gupta has completed FDP on “**High Performance Computing for Medical Image Processing and Computer Vision**”, organized by MNNIT Allhabad from 9-14 Dec. 2024.
- Dr. Ranu Gupta has completed FDP on “**Semiconductor Materials and Manufacturing Technology: Driving the Semiconductor Ecosystem (SMMT-2024)**”, organized by Assam Down Town University from 02-07 Dec. 2024.
- Dr. Ranu Gupta has completed Workshop on “**Intellectual Property and Rights (IPR)**”, organized by Research and Publication Division, Scholars Gate - Research Training Institute, Tamil Nadu from 01-03 Oct. 2024.
- Dr. Ranu Gupta has completed Attended “**MATLAB Expo 2024**” organized by MathWorks from 13-14 Nov. 2024.
- Dr. Ranu Gupta has completed FDP on “**NAAC: New Reforms 2024 An Introduction to Binary Accreditation Framework, New Education Policy-2020**” organized by RFI-CARE from 6-7 Aug. 2024.
- Dr. Ranu Gupta has completed Attended 21 days Master class on “**Jetson AI**” from 22 Nov. – 12 Dec. 2024 organized by Pantech e-learning.
- Dr. Ranu Gupta has completed Attended 2 days on “**Can You See Me Now? Analyzing Satellite-to-Ground Station Visibility**” from 13-14 Nov. 2024 organized by MathWorks.
- Dr. Ranu Gupta has attended 1 day program on “**Building a RESTful API with Node.js and Express**” on 20 July 2024 organized by SKYY Skill.
- Dr. Ranu Gupta has completed Attended online course “**Overview of Geographical Information System**” from 14 Oct.-1 Nov. 2024 organized by ISRO.
- Dr. Ranu Gupta has attended two week online refresher course on “**Materials for Energy and Sustainability**” organized by MMTTC from 4 -18 Nov 2024.
- Dr. Ranu Gupta has attended STP on “**Research Methodology**” organized by MMTTC from 21 -26 Oct. 2024.
- Dr. Ranu Gupta has completed short term program “**Autonomous Vehicle Design**” organized by Pantech e Learning from 8-28 Oct. 2024.

- Dr. Ranu Gupta has attended International workshop on “**Research Proposal Writing for Funding Projects: Opportunities and Future Aspects**” organized by Scholars Gate from 6-8 Nov. 2024.
- Dr. Ravi Kumar has attended one day training program on “**National Intellectual Property Awareness Mission**” organized by Intellectual Property Office, India on 30-04-2025.
- Dr. Ravi Kumar has attended one day course on “**Fundamentals of Accelerated Computing with CUDA C/C++**” organized by NVIDIA on 9-01-2025.
- Dr. Ravi Kumar has attended three days’ workshop on “**3-Day Workshop on High-Performance Computing (RU-HPC 1.2, 2024)**” organized by Jaypee Institute of Information Technology, Noida during 19- 21st November 2024.
- Dr. Ravi Kumar has attended one week FDP on “**Cryptography and Network Security: Principle and Applications (CNPA- 2024)**” organized by Annant Gyan Knowledge and Skills Private Limited during 18 – 23rd November, 2024.
- Dr. Ravi Kumar has attended one-week short term course on “**Hands-On Machine Learning for Communication and Networking**” organized by Dept. of EEE, ABV-Indian Institute of Information Technology and Management, Gwalior during 15 - 21 July 2024.

Publication (In Journals)

Scopus publication

- Ajinkya Prakash Edlabadkar, M. C. Madhu, R. Arunbharathi, **Deepak Sharma, Narendra Singh, R. Revathi, S. Mayakannan**, “Optimization of Mechanical Properties of Cordia dichotoma/Alumina Nanoparticle Reinforced Epoxy Nanocomposites Under Alkali Treatment Using ANN Techniques”, *Journal of Environmental Nanotechnol.*, vol. 14, no. 2, pp. 525-540, June 2025.
- Feroz Shaik Choon Kit Chan, Pankaj Dumka, **Rishika Chauhan**, Altaf Hussain G Momin, Rajashree Bhokare, Neelashetty K, Subhav Singh, Deekshant Varshaney, “The Law of mass action: Mathematical modelling and python implementation for chemical kinetics” *Applied Chemical Engineering*, vol.8,no.2,pp 1-12, June 2025.
- hoon Kit Chan, Pankaj Dumka , Kuldip Dodiya, Dhananjay R. Mishra, **Rishika Chauhan**, Chandrakant Sonawane, ArunKumar Bongale, Subhav Singh , Deekshant Varshney, “Modelling Bodies in Static Equilibrium Using Python Programming: Bridging Theory and Practice”, *Mathematical Modelling of Engineering Problems*, vol. 12, no. 6, pp. 2195-2201, June 2025.
- **Chauhan, R., Sharma, S., & Pachauri, R.** (2024). Performance Prediction of Conventional and Modified Solar Stills Using Levenberg Marquardt Algorithm-Based Artificial Neural Network Model: An Experimental and Stochastic Evaluation. *Journal of Solar Energy Research*, vol.9, no.3, pp.1966-1980. doi: 10.22059/jser.2024.380006.1449.
- P. Dumka, **R. Chauhan**, C. Sonawane, C. K. Chan, F. Shaik, G. G. Tejani, S. Singh, and D. Varshney, “Excel Modeling and Performance Evaluation of Solar Still: Comprehensive Analysis,” *Engineered Science*, March 2025.
- P. Dumka, **R. Chauhan**, R. Mishra, D. Dave, C. Sonawane, and A. Pandey, “Modelling Two-Dimensional Laplace Equation Using Monte Carlo Simulation: A Python Viewpoint,” *Mathematical Modelling of Engineering Problems*, vol. 12, no. 1, pp. 159–165, January 2025
- **Subodh Kumar Singhal**, Sumit Kumar, Sujit k. Patel, k. Anjali Rao and Gaurav Saxena “An Efficient Method of Modulo Adder Design for Digital Signal Processing Applications”, **Journal MethodsX. Elsevier** Vol.14 (Feb. 2025): pp. 103216.
- Saxena, G., **Singhal, S.K.**, Bhosale, S., Pandey, P, "A Phase Modulation-Based Approach for Theft-Proof Electricity Distribution in India Using CDMA Technology" *Journal Europeen des Systemes Automatisés*, 57(6), pp. 1687–1695, December 2024.
- **Deepak Sharma**, Emadeldeen Noureldaim Hamed, Nikhat Akhtar, Gd Vignesh, Sanjose A Thomas, and Sekhar M, “Next-Generation NLP Techniques: Boosting Machine Understanding in

Conversational AI Technologies”, Journal of Computational Analysis and Applications (JoCAAA), vol. 33, no. 4, pp. 100–109, Sep. 2024.

- **Deepak Sharma, Narendra Singh**, Manju Lata, Vybhavi.B , Rakesh Raushan ,D J Samatha Naidu (2024) “Integration of Computer Science Techniques in Healthcare Management Systems: A Review, Library Progress International, Vol. 44 No. 3 (2024): LIB PRO. 44(3), JUL-DEC 2024 (Published: 31-07-2024)
- Khan Rushina, **Deepak Sharma**, K.Santhanalakshmi, P. Nithya Preetha, K. Karthikeyan, "A Study on Impact of 360-Degree Performance Appraisal and its Effect on Job Performance: A Conceptual Framework " Nanotechnology Perceptions vol. 20, No. S15, pp. 90-102, November 2024, ISSN 1660-6795. [DOI : <https://doi.org/10.62441/nano-ntp.vi.3441>]
- **Deepak Sharma**, K. Lakshmi Narayana, Shyamala P, Dr.P.Latha, **Narendra Singh**, Sudipta Banerjee, "Exploring the Next Frontier in Wireless Communication: 5G and Beyond for Enhanced Reliability and Low Latency in IoT and Autonomous Technologies" , Nanotechnology Perceptions vol. 20, No. S15, pp. 90-102, December 2024, ISSN 1660-6795. {DOI: <https://doi.org/10.62441/nano-ntp.vi.3561> }
- K.Arptha, **Deepak Sharma**, Md. Masudul Haque Bhuiyan, Anu Mehra, Dhiraj Sharma, K Sai Krishna, “Developing Smart Hospital Management Systems with IoT and Big Data”, South Eastern Euporean Journal of Public Health, Volume XXVI S2, pp. 1543–1557, Feb. 2025. M. R. Muthuselvan, N. A. Kumar, and R. K. Vishwakarma, “Facial thermograms: Application of facial recognition in the medical sector,” International Journal of Biometrics, Inderscience Publisher, Ravi Kumar, “Machine Learning-Based Routing Protocols for Wireless Sensor Network”, International Journal of Mobile Network Design and Innovation, Vol. 11, No. 2, pp. 88-93, DOI: <https://doi.org/10.1504/IJMNDI.2024.10067248>, January 2025.
- **Ravi Kumar**, Prabha R., kannan B., Nagalakshmi T.J., Sheshang Degadwala, “Auditory Model System (AMS) To Recognize Alzheimer's Diseases: Speech Signal Analysis”, *International Journal of Medical Engineering and Informatics*, Vol. 16, No. 6, October 2024, pp. 560-570, Inderscience publishers. DOI: <https://doi.org/10.1504/IJMEI.2022.10049260>. ISSN: 1755-0653.
- **Ravi Kumar**, S. Gokulakrishnan, S.N.V.J.Devi Kosuru, R. Praveen Kumar, “Hybrid Optimized Artificial Intelligence Based Techniques for Big Data Classification in Healthcare Systems”, Tuijin Jishu/Journal of Propulsion Technology, Vol. 45, No. 4, October 2024, Journal of Propulsion Technology. ISSN: 1001-4055. (<https://propulsiontechjournal.com/index.php/journal/article/view/8661>)
- **Ravi Kumar**, “Machine Learning-Based Routing Protocols for Wireless Sensor Network”, *International Journal of Mobile Network Design and Innovation*, Vol. 11, No. 2, Jan 2025, pp. 88-93, Inderscience Publisher. DOI: <https://doi.org/10.1504/IJMNDI.2024.10067248> , ISSN:1744-2850.
- S. N. V. J. Devi Kosuru, R.Praveen Kumar, **Ravi Kumar**, S.Gokulakrishnan, Abhisek Sethy, Velagapudi Sreenivas, “A Comparative Assessment for Examining the Performance of Reconfigurable Multiband MIMO Antennas for Communication Systems”, Vol. 10 No. 10s (2025), February, 2025. ISSN: 2468-4376 DOI: <https://doi.org/10.52783/jisem.v10i10s.1533>.
- **Ravi Kumar**, S.Gokulakrishnan, S. N. V. J. Devi Kosuru, R.Praveen kumar, Thota Radha Rajesh, ,”An efficient fuzzy logic and artificial intelligence based optimization strategy for bigdata healthcare system”, *Edelweiss Applied Science and Technology*, Vol. 9 No. 3 (2025) , March 2025, Learning -Gate Publisher, ISSN: 2576-8484, DOI: <https://doi.org/10.55214/25768484.v9i3.5645>.

Other Journals

- N. Jain, **R. Chauhan**, and P. Dumka, “Implementation of the Tridiagonal Matrix Algorithm (TDMA) in C: A practical Approach,” Recent Trends Program. Lang., vol. 11, no. 3, pp. 36–43, 2024, doi: 10.37591/RTPL.
- Link: Implementation Of The Tridiagonal Matrix Algorithm (TDMA) In C: A Practical Approach » RTPL
- P. Dumka, **R. Chauhan**, and A. K. Srivastava, “Modelling of Gust Factor Based Dynamic Loading of Buildings Using Python Programming,” Comput. Eng. Phys. Model., vol. 7, no. 3, pp. 61–83, 2024, DOI: <https://doi.org/10.22115/cepm.2024.481867.1333>

- Link: Modelling of Gust Factor Based Dynamic Loading of Buildings Using Python Programming
- P. Dumka, **R. Chauhan**, T. Verma, and D. R. Mishra, “Understanding Kuttaka (Pulverizer) method by Bhaskara II with the help of Microsoft excel,” *Journal of Mathematical Problems Equations and Statistics*, vol. 6, no. 1, pp. 28-31, January 2025.
- P. Dumka, **R. Chauhan**, and M. Ubaid, “A Comparative Study of Gauss-Seidel and Newton-Raphson Methods: Modelling And Performance Analysis Using Python Programming,” *Acta Mechanica Malaysia*, vol. 8, no. 1, pp. 10–16, February 2025.
- P. Dumka, **R. Chauhan**, and D. R. Mishra, “Travelling Salesman Problem: A Python Implementation,” *International Journal of Mathematics And its Applications*, vol. 13, no. 1, pp. 57–64, March 2025.
- P. Dumka, D. R. Mishra, and **R. Chauhan**, “Mathematical Modeling of Pollutant Dispersion in the Atmosphere: A Gaussian Plume Approach Using Python,” *Acta Mechanica Malaysia*, vol. 8, no. 1, pp. 17–20, March 2025.
- Singh, Mahendra Pratap, Neelesh Raypuriya, Harishankar, Ashish Kumar Singh, Chandan Kumar Panigrahi, Narinder Panotra, Aradhana Boruah, Anchal Singh, **Deepak Sharma**, and Pratibha Tripathi. 2025. “Precision Agriculture and Smart Technologies for Insect Pest Management”. UTTAR PRADESH JOURNAL OF ZOOLOGY 46 (9):167-82. {DOI: 10.56557/upjoz/2025/v46i94934}
- Pankaj Dumka, Dhananjay R Mishra, **Rishika Chauhan**,” Teaching Differential Equations to Mechanical Engineering Students Using Excel VBA, International Journal on Multidisciplinary and Applied Research, vol.1,no.1,pp 1-13, June 2025.
- Pankaj Dumka, **Rishika Chauhan**, Tapendra Verma, “Vectorization and Finite Difference Methods: A Powerful Partnership for Numerical Solutions”, International Journal on Multidisciplinary and Applied Research, vol.1,no.1,pp 1-12, June 2025.

Publication (In Conferences)

- M. Motta, P.S. Banerjee and **D. Sharma** “Hybrid BERT-Bi LSTM Model with Bottleneck Attention Mechanism for Improvement in Text Classification,” publisher paper in the International Conference of Mechanical and Materials Engineering (ICMME -2025), organized by the Department of Mechanical Engineering, held at Jaypee University of Engineering and Technology, Guna on 28-30 April 2025
- **Ravi Kumar** and Sandeep Shrivastava, “Quantum Networking for Library Resource Sharing”, presented in *National Seminar: Social Science & Library Science for ViksitBharat@2047 (NSSSLS-2024)*, Jaypee University of Engineering and Technology, Gunaon 7-8 December, 2024.
- **Ravi Kumar** and Vivek Tiwari, “Securing the Written Word: A Comprehensive Look at Modern Security Systems Combating Forgery and Book Theft”, presented in *National Seminar: Social Science & Library Science for ViksitBharat@2047 (NSSSLS-2024)*, Jaypee University of Engineering and Technology, Gunaon 7-8 December, 2024.
- Vivek Tiwari, **Ravi Kumar**, Rajbir Singh “Collaborative Data Solutions: The Growing Importance of Libraries in Research Ecosystems”, presented in *International Conference of Asian Academic Libraries (ICAAL 2025) on “New Technologies in the Knowledge System & Libraries: Towards Viksit Bharat@ 2047”*, Jiwaji University, Gwalioron 22-24 March, 2025.
- Vivek Tiwari and **Ravi Kumar**, Abhishek Shukla, “Cultural Heritage and Modern Education: Fostering Intergenerational Knowledge Transfer”, presented in *International Conference of Asian Academic Libraries (ICAAL 2025) on “New Technologies in the Knowledge System & Libraries: Towards Viksit Bharat@ 2047”*, Jiwaji University, Gwalioron 22-24 March, 2025.
- Vivek Tiwari and **Ravi Kumar**, “Data Archiving and Sharing: Bridging the Divide between Policy and Practice” presented in *International Conference of Asian Academic Libraries (ICAAL 2025) on “New Technologies in the Knowledge System & Libraries: Towards Viksit Bharat@ 2047”*, Jiwaji University, Gwalioron22-24 March, 2025.

Books:

- Manish Patidar, Deepak Sharma, and Subodh Kumar Singhal, "**IoT and Industrial Applications**" Alpha International Publisher, ISBN 978-93-5762-804-4, August 2024.
- Pandey, P., Sharma, D., Agrawal, M.S. (2025). Integration of Deep Learning Algorithms into VANET. In: Bhatia, J., Tanwar, S., Rodrigues, J.J.P.C., Kumhar, M. (eds) Deep Learning Based Solutions for Vehicular Adhoc Networks. Studies in Computational Intelligence, vol 1207. Springer, Singapore. https://doi.org/10.1007/978-981-96-5190-0_3
- Sharma, D., Singhal, S. K., & Pandey, P. (2025). Enhanced Image Protection Using Discrete Fractional Fourier Domain and Dual Random Phase Encoding. *New Horizons of Science, Technology and Culture Vol. 2*, 78–96. <https://doi.org/10.9734/bpi/nhstc/v2/5655>, ISBN 978-93-49970-37-3 (Print) ISBN 978-93-49970-88-5 (eBook)
- Prateek Pandey and Deepak Sharma, "**Digitally Enhanced Adaptive Security: A Solution for Power Theft in Smart Cities**", Energy 4.0: Trends, Challenges, and Applications, ISBN 9781032744513, 294 Pages, Published June 2, 2025 by CRC Press.

Book Chapters:

- Sharma, D., & Patidar, M. "**Robust Encryption-Compression Scheme Based on Multiple Parameter Discrete Fractional Fourier Transform for JPEG 2000**", Mathematics and Computer Science: Contemporary Developments, Vol. 7, 69–97., November 2024, <https://doi.org/10.9734/bpi/mcsd/v7/2789>
- Deepak Sharma, Narendra Singh, Jitendra Kanungo, and Jitendra Raghuwanshi, "**A Novel Image Compression Technique with Multiple Parameter Discrete Fractional Fourier Transform for Satellite and Medical Imaging**", 26 December 2024, Page 96-135, BP International, Published: 2024-12-26 <https://doi.org/10.9734/bpi/stda/v1/3700>
- Dr. Gaurav Saxena, Dr. Shefali Sharma and Dr. Ranu Gupta, "**Power Electronics**", First Edition, Imprint: Deccan International Academic Publishers, Registered Under MSME, Govt of India, ISBN: 978-81-980462-9-1, DOI: 10.5281/zenodo.13992722, October 2024.
- Dr. K Paul, Dr. Amar Deshmukh, Dr. S. Sivakumar, **Dr. Ranu Gupta**, "**Embedded Systems and IoT**", ISBN: 978-81-978186-7-7, GCS Publisher India, July 2024.
- Dr. R.K Nizampatnam, Dr. Poonam Joshi, Mr. YK Nanaware, **Dr. Ranu Gupta**, "**Cryptography and Network Security**", ISBN: 978-93-6674-780-4, Scientific International Publishing House, India, Dec. 2024.
- Mrs. Sruthi Mohan, **Dr. Ranu Gupta**, Dr. Ramanan SV, "**Digital Image Prtcessing**", ISBN: 978-93-6674-214-4, Scientific International Publishing House, India, May. 2025.
- Mrs. Chaitra S, **Dr. Ranu Gupta**, Mr. YS Chakrapani,, "**Microprocessor and Micro-controller**", ISBN: 978-93-6674-117-8, Scientific International Publishing House, India, May. 2025.

Honors and awards received during the year

Sr. No.	Date	Faculty/Awards
1.	11-11-2024	Dr. Manish Patidar, Fellow from The Institution of Electronics and Telecommunication Engineers (IETE).
2.	17-12-2024	Dr. Ranu Gupta Fellow from The Institution of Electronics and Telecommunication Engineers (IETE).
3.	01-05-2025	Dr. Manish Patidar member from Institute of Electrical and Electronics Engineers (IEEE)

BoS meeting conducted during the year

Sr. No.	Date	External Member
1	4-12-2024	1. Prof. Mukesh Kumar (IIT, Indore) 2. Prof. Vineet Khandelwal (JIIT, Noida)

Department of Mechanical Engineering

Department Overview

The Mechanical Engineering Department was established in the year 2008. The Department is dedicated to fostering excellence in engineering education and research. It offers a range of programs, including Diploma, B.Tech, M.Tech, and Ph.D, designed to provide students with a robust understanding of mechanical principles and advanced technologies. The department's curriculum covers core areas such as materials science, thermodynamics, computer aided design and manufacturing, additive and subtractive manufacturing, composite materials, finite element method, computational fluid dynamics, data science, energy conservation, automation, mechatronics and robotics, integrating theoretical knowledge with practical applications through state-of-the-art laboratories and hands-on projects. The faculty comprises of experienced professionals and researchers who mentor students in innovative research and development. The department emphasizes on interdisciplinary collaboration and industry connections, preparing students to tackle real-world engineering challenges. With a focus on cutting-edge research and technology, the Department aims to produce highly skilled engineers capable of contributing to advancements in industry, academia, and beyond.

Programs Offered in 2024-25

- **Diploma in Mechanical Engineering:** The Diploma in Mechanical Engineering is a 3-year program designed for 10th pass students, providing a foundational understanding of mechanical engineering principles and practices. The program covers topics such as mechanics, machine design, thermodynamics, and manufacturing processes. Upon completion, graduates can pursue careers as technicians, draftsmen, supervisors, or maintenance engineers in industries like manufacturing, automotive, and construction. Additionally, diploma holders can also opt to pursue a B.Tech. degree in Mechanical Engineering or related fields, either through lateral entry or direct admission, opening up opportunities for higher-level positions and advanced roles in the industry. This program is ideal for students seeking a practical and technical education that leads to both employment opportunities and further academic pursuits. There were no admissions in this program during the Academic Year: 2024-25.
- **B.Tech. in Mechanical Engineering:** This B.Tech. program offers a comprehensive education in fundamental and advanced engineering principles. Students explore key areas such as manufacturing, thermodynamics, fluid mechanics, materials science, machine design, mechatronics, automation, robotics and additive manufacturing. The curriculum blends theoretical knowledge with practical experience, including laboratory work and industry internships, to prepare students for real-world engineering challenges. The program emphasizes problem-solving skills and innovative thinking, equipping graduates with the expertise needed to excel in various engineering sectors. Upon completion, students are well-prepared for diverse career opportunities in industry, research, and further academic pursuits. There were 5 admissions in this program during the Academic Year: 2024-25.
- **B.Tech. in Mechanical and Mechatronics Engineering (Additive Manufacturing):** The B.Tech. program in Mechanical and Mechatronics Engineering with a specialization in Additive Manufacturing equips students with expertise in designing, developing, and manufacturing complex systems using cutting-edge technologies. This program combines mechanical engineering principles with mechatronics and additive manufacturing, enabling students to create innovative products and solutions. Graduates can pursue careers in industries such as aerospace, automotive, manufacturing,

healthcare, and product design, with roles like design engineer, manufacturing engineer, or research and development specialist. Upon completion, students can also pursue an M.Tech. degree in Mechanical Engineering, Mechatronics, or related fields, leading to advanced roles in research, development, and academia. This program prepares students for a dynamic and rapidly evolving industry with vast career opportunities. There were no admissions in this program during the Academic Year: 2024-25.

- **M.Tech. (Manufacturing Technology)** offers a specialized education designed to advance knowledge and skills in modern manufacturing processes. This program covers a broad spectrum of topics, including advanced manufacturing techniques, additive manufacturing, automation, quality control, and materials engineering, preparing students to tackle complex challenges in the manufacturing sector. Through a blend of theoretical coursework and hands-on practical experience, students gain expertise in innovative technologies and methodologies that drive efficiency and precision in manufacturing. The program also emphasizes research and development, allowing students to engage in projects that contribute to cutting-edge advancements in manufacturing technology. There were no admissions in this program during the Academic Year: 2024-25.
- **Ph.D. Program** is designed for those committed to pioneering research and innovation in the field of Design, Manufacturing, Thermal and Industrial Engineering. Students engage in advanced research across various domains, including vibration, additive manufacturing, solar water desalination, thermodynamics, advanced manufacturing, design, robotics, and material science. The program emphasizes a deep understanding of mechanical systems, analytical techniques, and experimental methods. Under the mentorship of experienced faculty, doctoral candidates work on cutting-edge projects, contributing to significant advancements in technology and engineering. The research experience at JUET prepares graduates for influential roles in academia, industry, and research, where they can drive technological progress and solve complex engineering challenges. There was 1 admission in this program during the Academic Year: 2024-25.

Major Facilities in Department

Following are the state of art laboratories:

- Thermodynamics Lab
- C. Engine Lab
- Refrigeration and Air Conditioning Lab
- Fluid Mechanics Lab
- Strength of Materials Lab
- Theory of Machines Lab
- Dynamics of Machines Lab
- CIM Lab
- Mechatronics Lab
- CAD Lab
- Additive Manufacturing Lab
- Machine Shop
- Sheet Metal Shop
- Foundry Shop
- Welding Shop
- Carpentry and Fitting Shop
- Thermal Power Plant Simulator Lab

BOS Meeting

- 15th BOS of the Department was held on November 30, 2024.

Department proposed four new value added audit courses for B.Tech., students of all branches to enhance the awareness and knowledge of students about automation, mechatronics, simulation and 3D printing in light of industry 4.0 environment,. These four audit courses are mentioned below:

- Introduction to Engineering Simulations
- Introduction to Automation
- Introduction to 3d Printing
- Introduction to Mechatronics

Patent/Design/Copyright

- Dr. Yashwant Kumar Modi et al. registered a design titled, “Smart Jig to Support Dental Fixtures” Design No. 381154-001, with Patent Office, INDIA in August 2024.
- Dr. Amit Kumar Srivastava, Dr. Pankaj Gupta, Dr. Bhagat Singh, Dr. Rohit Mishra, Nitesh Pandey, Manish Kumar registered a design titled, “Liquid Sprayer Robot”, Design No. 406589-001 with Patent Office, INDIA, 2024.
- Dr. Amit Kumar Srivastava, Dr. Pankaj Gupta, Dr. Rohit Mishra, Dr. Bhagat Singh, Nitesh Pandey, registered a design titled, “Sprayer Machine”, Design No. 406590-001 with Patent Office, INDIA, 2024.
- Dr. Amit Kumar Srivastava, Dr. Pankaj Gupta, Dr. Bhagat Singh, Dr. Rohit Mishra, Nitesh Pandey, registered a design titled, “Floor Cleaning Robot”, Design No. 406561-001 with Patent Office, INDIA, 2024.

Students Activities

- The Mechanical Engineering Society (MES) conducted a **CAD workshop on 3D Modeling, Simulation, and FEM Analysis from March 20-25, 2025**. Students gained hands-on experience with design and analysis tools, learning to create 3D models and perform basic simulations. The session enhanced their practical skills in engineering design and analysis.
- An industrial visit to M/s Radha Krishna Metal, Guna was conducted for all the students of the Department on November 23, 2024.
- Mechanical Engineering Society (MES) has organized the following Technical events in Techyon-2024 from November 15-17, 2024.

- DIY: Equilibria : Nov. 17, 2024
- Workshop warrior : Nov. 17, 2024
- Gear box Disassembly and assembly : Nov. 16, 2024
- Hawkeye Archery : Nov. 16, 2024
- Model exhibition : Nov. 16, 2024
- DIY: Plane launcher and shooter : Nov. 16, 2024
- Water Rocket : Nov. 16, 2024
- Spring suspension car drive. : Nov. 15, 2024
- model exhibition : Oct. 25, 2024
- Engineering Quiz: Blue Print Blitz : Oct. 03, 2024

Conferences/Seminars/Webinars/Workshops/FDP/SDP organized

- One-Week Staff Development Program (SDP) on “Introduction to CNC Machining” from June 16-21, 2025.
- 5-Day Workshop on “Functional Materials for Sustainability: Processing and Applications” in online mode from May 12-16, 2025.
- Webinar on the topic: “The Future of Mobility: Advances in the Automotive Industry and Manpower Demand Mapping” on May 04, 2025.
- International Conference on “Mechanical and Materials Engineering (ICMME-2025)” in hybrid mode from April 28-30, 2025.
- Webinar on the topic: “Coupled Heat and Mass Transfer and its Applications in Phase Transition based Cooling” on November 22, 2024.
- Webinar on the topic: “AI in Manufacturing for Transport Decision Making” on November 19, 2024.

Conferences/Seminars/Webinars/Workshops Participated

- Mr. Abhishek Singh attended One Week-Online Short Term Programme on “Strengthening Justice and Security: A Holistic Approach to India’s New Criminal Framework” under Malaviya Mission Teacher Training Programme (MM-TTP) of UGC, Organized by Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC) University of Delhi from March 25, 2025 to March 31, 2025.
- Dr. K L Dhaker has completed Google’s online course “The Power of Statistics” on 12th March 2025.
- Mr. Abhishek Singh attended Three Week-Online Faculty Development Programme on “Quantum Technologies & Applications” under Electronics & ICT Academies MNIT Jaipur, NIT Patna, IIT Roorkee, IIT Guwahati, IIITDM Jabalpur, NIT Warangal, and Varanasi from February 28 to March 22, 2025, and obtained Excellent.
- Mr. Abhishek Singh attended One Week-Online Faculty Development Programme on “Research Writing for Educators” under Malaviya Mission Teacher Training Programme (MM-TTP) of UGC, Organized by Malaviya Mission Teacher Training Centre (MMTTC), and Center for Faculty Development & Educational Technology (CFDET), I.I.T (B.H.U), and Varanasi from February 17 to 22, 2025.
- Dr. Amit Sharma delivered an invited talk on “Green Composites” in three days SPARC sponsored Indo-Australian Workshop on “Advanced Materials” organized by Mahatma Gandhi University, Kottayam, Kerala (India) during January 17-19, 2025 in hybrid mode.
- Dr. Bhagat Singh and Dr. Pankaj Gupta received special issue as guest editors in the Evergreen - Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy (Scopus Indexed), Journal of Polymer and Composite (Web of Science/ESCI Indexed) and MATEC Web of Conferences Proceedings (Web of Science Indexed).
- Dr. Amit Sharma, Dr. Manoj Dubey and Dr. Kedari Lal Dhaker attended Two Week-Online Refresher Course on “Materials for Energy and Sustainability”, Organized by Malaviya Mission Teacher Training Centre (MMTTC), Center for Science and Society- Indian Institute of Science Engineering and Research from November 04 to 18, 2024.
- Dr. K L Dhaker and Dr. Manoj Dubey successfully completed one day work shop on Advanced Drone Technology, conducted by India Space Lab in collaboration with ISRO, on November 10, 2024.
- Dr. Yashwant Kumar Modi attended webinar on “Contribution of the Department of Atomic Energy and the RRCAT towards Nation Building”, organized by the Department of ECE, JUET on August 23, 2024.
- Dr. Yashwant Kumar Modi, Dr. Amit Sharma and Dr. Kedari Lal Dhaker attended a One-week Short Term Programme on “Sustainable Product Design and Manufacturing” organized by Faculty Development Centre-SMVDU under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching of MOE, GOI, Shri Mata Vaishno Devi University, Katra, Jammu in Collaboration with School of Mechanical Engineering During July 22-27, 2024.
- All faculty members of the Department attended one week workshop on "Outcome Based Education", organized by JUET, Guna during July 08-13, 2024.

Publication in Journals

SCI/SCIE/ESCI indexed:

- Pankaj Dumka, K. Sharma, C. K. Chan, and D. Dobreta, “Enhancing Solar Water Desalination with Wax Infused Glass for Sustained Distillate Yield,” *Desalination and Water Treatment*, vol. 322, p. 101137, 2025.
- Falguni Gorana and Yashwant Kumar Modi, “Optimization of Porosity and Strength of Selective Laser-Sintered Polyamide Porous Scaffolds Useful in Bone Tissue Engineering,” *Rapid Prototyping Journal*, DOI: <https://doi.org/10.1108/RPJ-08-2024-0321>, March 2025.
- Falguni Gorana and Yashwant Kumar Modi, “Multi-objective Optimization for Porosity and Strength of Selective Laser Sintered Porous Scaffolds Useful in Bone Tissue Engineering,” *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, DOI: <https://doi.org/10.1007/s40997-025-00843-9>, February 2025.
- Atul Dhakar, Bhagat Singh and Pankaj Gupta, “Fault Identification of Reciprocating Air Compressor using Signal Processing Techniques and Kurtosis Index based bubble cloud analysis”, *Journal of the Chinese Institute of Engineers*, Taylor & Francis, pp. 1-15, 2025.
- Rohit Mishra, Matta S.N.S. Kiran, Manikantadhar Maheswaram, Akshat Upadhyay and Bhagat Singh, “Investigation of optimal feature for milling chatter identification using supervised machine learning techniques”, *Journal of Engineering Research*, Vol. 12, No. 4, pp. 950-962, December 2024.
- Amit Sharma, Priyanka Joshi, Basanta Kumar Bhuyan, Rakesh Kumar Phanden, Investigation of excellence in Nd-YAG laser cutting of Al6061-T6 thin sheet using GRA coupled with PCA, *Engineering Research Express*, Vol. 06, No. 04, 045560, December 2024.
- Gopal Ji, Bindu Mangla, Saviour A Umoren, Amit Sharma, Generation of layers of pointed gourd seed extract on mild steel using drop casting and testing of their corrosion behavior in salty water, *Moroccan Journal of Chemistry*, Vol. 12, No. 04, pp. 1839-1951, October 2024
- Rohit Mishra, Pankaj Gupta and Bhagat Singh, “An intelligent approach to extract chatter and metal removal rate features impromptu from milling sound signal”, *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, Vol. 238, No. 5, pp. 2235–2245, October 2024.
- Subas Chandra Dash "Effects of double diffusion and Soret effect on MHD braking of liquid metal packed between enclosed rotating cylindrical annulus." *International Journal of Modern Physics C*, 2450233, DOI: <https://doi.org/10.1142/S0129183124502334>.
- C. K. Chan, Pankaj Dumka, M. Villagómez-Galindo, F. Shaik, G. Tejani, and K. Patel, “Development of thermodynamic relation for mean density of mixture in the risers.pdf,” *Applied Chemical Engineering*, vol. 7, No. 4, pp. 1–8, 2024.
- Pankaj Dumka, N. Limbachiya, N. Chippada, V.D. Jiménez Macedo, L. Khatua, N.R. Lakkimsetty, T.C.Manjunath, Feroz Shaik, C. Kit Chan, D.D. Kit Chan, Impact of jute covered hemispherical cups on the performance augmentation of a single slope solar still; An experimental investigation, *Applied Chemical Engineering* Vol. 7, pp. 1–12, 2024.

Scopus indexed:

- Amit Sharma, Aman Thakur, Rakesh Kumar Phanden, Tensile behaviour of jute-carbon reinforced polymer matrix composite using ABAQUS, *Lecture Notes in Mechanical Engineering*, pp. 721-730, July 2024.
- Rohit Mishra and Bhagat Singh, “Ascertaining higher MRR at chatter free milling using spline-based local mean decomposition and artificial neural network based hybrid approach”, *Scientia Iranica, Transactions on Mechanical Engineering (B)*, Vol. 31, No. 16, pp. 1387-1401, September and October 2024.

- Sunil Kumar Srivastav, KedariLal Dhaker, “Data Driven-approach for synthesizing, characterizing and experimental investigation of biomass-based plastic”, *Next Materials*, January 2025, 100596.
- Kedarilal Dhaker, Amit Sharma, Tasnim Arif, Gaurav Shukla, Akshat Shukla and Shwetank Avikal, “Statistical Analysis and Data-Driven Modeling of Hole circularity in EDD of Aerospace Material” *Lecture Notes in Mechanical Engineering*, pp 401-415, January 2025.
- Kedarilal Dhaker and Yashwant Kumar Modi, “Data-driven Modeling and Optimization for Recast Layer in Electric Discharge Drilling of Inconel-718 Material,” *Journal of Micromanufacturing*, DOI: <https://doi.org/10.1177/25165984251317862>, February 2025 (Scopus).
- Pankaj Dumka, D. Dave, C. Sonawane, A. Bongale, C. K. Chan, and G. Tejani, “Python Simulations for Engineering Education: Resultant and Equilibrium in Coplanar Non-Concurrent Forces.,” *Mathematical Modelling of Engineering Problems*, vol. 12, no. 2, 2025.
- Pankaj Dumka, Rishika Chauhan, Rohit Mishra, D. Dave, C. Sonawane, and A. Pandey, “Modelling Two-Dimensional Laplace Equation Using Monte Carlo Simulation: A Python Viewpoint,” *Mathematical Modelling of Engineering Problems*, vol. 12, no. 1, pp. 159–165, January 2025.
- Ram Kumar, Dhananjay Rohit Mishra, and Pankaj Dumka, “Development of a novel film condensation-based heat transfer model to estimate the productivity of conventional solar still,” *Journal of Solar Energy Research*, vol. 9, no. 4, pp. 2102–2114, 2025.
- Atul Dhakar, Bhagat Singh and Pankaj Gupta, “Diagnosing faults of reciprocating air compressor setup using signal processing technique and machine learning approach”, *Lecture Notes in Mechanical Engineering, Recent Advances in Mechanical Engineering*, Springer, Singapore, pp 447–461, 2024.

Others:

- Pankaj Dumka, Rishika Chauhan, T. Verma, and D. R. Mishra, “Understanding Kuttaka (Pulverizer) method by Bhaskara II with the help of Microsoft excel,” *Journal of Mathematical Problems Equations and Statistics*, vol. 6, no. 1, pp. 28-31, 2025.
- Pankaj Dumka, Rishika Chauhan, R. Mishra, D. Dave, C. Sonawane, and A. Pandey, “Modelling Two-Dimensional Laplace Equation Using Monte Carlo Simulation: A Python Viewpoint,” *Mathematical Modelling of Engineering Problems*, vol. 12, no. 1, pp. 159–165, January 2025.
- Pankaj Dumka, Rishika Chauhan, and M. Ubaid, “A Comparative Study of Gauss-Seidel and Newton-Raphson Methods: Modelling And Performance Analysis Using Python Programming,” *Acta Mechanica Malaysia*, vol. 8, no. 1, pp. 10–16, 2025.
- Pankaj Dumka, Rishika Chauhan, and D. R. Mishra, “Travelling Salesman Problem: A Python Implementation,” *International Journal of Mathematics and its Applications*, vol. 13, no. 1, pp. 57–64, 2025.
- Pankaj Dumka, D. R. Mishra, and Rishika Chauhan, “Mathematical Modeling of Pollutant Dispersion in the Atmosphere: A Gaussian Plume Approach Using Python,” *Acta Mechanica Malaysia*, vol. 8, no. 1, pp. 17–20, 2025.
- Nilesh Jain, Rishika Chauhan, and Pankaj Dumka, “Implementation of the Tridiagonal Matrix Algorithm (TDMA) in C.pdf,” *Recent Trends Programming Language*, vol. 11, No. 3, pp. 36–43, 2024.
- Divyanshu Prajapati, Indranil Samanta, Amit Kumar, Pankaj Dumka, “Real-time Ad Click Prediction: Logistic Regression vs. Decision Tree,” *International Journal of Scientific Research in Computer Science and Engineering*, Vol.12, No.6, pp.36-42, 2024.
- Pankaj Dumka, Rishika Chauhan, and Amit Kumar Srivastava, “Modelling of Gust Factor Based Dynamic Loading of Buildings Using Python Programming,” *Computational Engineering and Physical Modelling*, vol. 7, No. 3, pp. 61–83, 2024.
- Pankaj Dumka, Krishna Gajula, K. Sharma, Dhananjay R. Mishra, Rishika Chauhan, M.I. Haque Siddiqui, D. Dobrotă, I.M. Rotaru, A case study on single basin solar still augmented with wax filled metallic cylinders, *Case Stud. Thermal Engineering* Vol. 61, pp. 104847, 2024.

- Pankaj Dumka, Krishna Gajula, A. Mishra, Dhananjay R. Mishra, Modelling of Air Standard Thermodynamic Cycles Using Cycle Pad, International Journal of Engineering and Manufacturing Vol. 14 (2024), pp. 54–76. <https://doi.org/10.5815/ijem.2024.04.05>.
- Pankaj Dumka, Utilizing Microsoft Excel for Critical Path Method (CPM) Problem Solving: A Practical Demonstration for Engineering Students, Ind. Eng. J. Vol. 53, pp. 166–172, 2024.
- Nitesh Pandey, Manish Kumar, Amit Kumar Srivastava and Pankaj Gupta, “Application of Finite Element Analysis in Assessing Mechanical Chair Design”, Journal of Computational Mechanics, Power System and Control, Vol. 7, No. 03, 2024
- Aditya Shrivastava, Nitesh Pandey, Pramiti Tewari, Amit Kumar Srivastava and Pankaj Gupta “Cutting-Edge Generative Design Strategy for Transforming Robot Leg Dynamics in Auto desk Fusion 360”, Journal of Computational Mechanics, Power System and Control, Vol. 07, No. 02, 2024
- Pramiti Tewari, Nitesh Pandey, Amit Kumar Srivastava and Pankaj Gupta, “Designing a CAD model and Optimization of a Glass Cleaning Robot Body Part by Generative Design Using Autodesk Fusion 360”, International Journal of Scientific Research in Multidisciplinary Studies, Vol. 10, No. 02, pages 18-24, 2024
- Palkesh Maithil, Pankaj Gupta and M.L. Chandravanshi “Analysis of Hashin failure criteria for tensile and compression fracture of Fiber Reinforced composite using Finite Element Technique” Lecture Notes in Mechanical Engineering, Recent Advances in Industrial Machines and Mechanisms, Springer, pp. 453–460, 2024
- Harmit Singh Ruhela, Shashwat Bhardwaj, Teerth Agarwal and Pankaj Gupta, “Explicit dynamics analysis of shinpads using finite element analysis” Lecture Notes in Mechanical Engineering, Recent Advances in Industrial Machines and Mechanisms, Springer, pp. 683–690, 2024.

Publication of Books

- Dr. Pankaj Gupta, and Dr. Bhagat Singh, “Artificial Intelligence approach in CNC machining”, Publisher: Eliva Press, ISBN: 978-1-63648-757-1.
- Pankaj Dumka, “Building Logic Gate Circuits in Python,” in Mathematics and Computer Science: Contemporary Developments, 5th ed., Leo Willyanto Santoso, Ed., London: BP International, pp. 104–115, 2024.

Department of Chemistry

Department Overview

The aim of the department is to integrate research with teaching. As an immediate objective, department focus is on holistic teaching in an integrative manner. The department has completed three government funded projects and 08 students have completed their doctoral degree from the department. The faculty members have excelled in their respective specialization in teaching as well as in research. Knowledge and skills in chemistry play a crucial role in finding the solutions to most of the challenges (eg. energy and environment, novel surfactants) faced by mankind today. The department believes in an interdisciplinary approach to learning and fosters a culture of excellence. The existing faculty members of the department have excellent academic credentials and are actively engaged in teaching, and research works. Chemistry department has one Research lab and one Undergraduate and post graduate lab with all basic facilities.

Program Offered in 2024-25

- (i) M.Sc.

(ii) Ph.D.

M.Sc. Program

Department of Chemistry offers M.Sc. in Chemistry to undergraduate students. The course curriculum has designed to give in depth understanding of all streams of chemistry along with quality laboratory exposure to the future graduates.

Ph.D. Program

The department is committed to pursuing research in the emerging areas to advance knowledge and innovation. The department is actively engaged in research in diverse areas like novel surfactants, polymer synthesis, inorganic chemistry, and material science.

Major facilities in the department

The key equipments in the department include:

- pH meter
- Conductivity meter
- Melting point determination apparatus
- Water Distillation unit
- Vacuum pump
- Gas chromatograph
- Florescence spectrophotometer
- Du Noy Tensiometer
- Double distilled water
- Sartorius digital balance

Salient Features of the Department

- Well qualified and experienced faculty.
- Greater emphasis on project-based learning.
- Active feed-back mechanism to enhance teaching learning process.
- Regular curriculum revision.

Conferences/Workshops /Training/short term course attended

- Prof. Rashmi Tyagi attended one-week workshop on “Outcome Based Education” organized by IQAC, JUET, Guna held during July 08-13, 2024.
- Dr. Jitendra Kumar Sahu attended online “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Staff Training and Research Institute of Distance Education (STRIDE), Indira Gandhi National Open University (IGNOU), Maidan Garhi, New Delhi during December 16-24, 2024.
- Dr. Jitendra Kumar Sahu completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) during December 23-27, 2024.
- Prof. Rashmi Tyagi completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) during March 10-14, 2025.
- Prof. Rashmi Tyagi completed following courses on Udemy:
 - Basics of fertilizers of 2.5 hrs duration on August 12, 2024.
 - Introduction to Drug development and discovery of 3 hrs duration on August 30, 2024.
 - Introduction to chemoinformatics and medicinal Chemistry of 3 hrs duration on December 30, 2024.
 - How to write a Successful Research Paper of 2 hrs duration on January 18, 2025.

Department of Physics

The Department of Physics is an integral part of the Faculty of Sciences, it offers basic courses, and a variety of specialized elective courses at undergraduate and postgraduate levels to engineering students. Department is also offering doctoral and masters programs in Physics. So far four Ph.D. degrees have been awarded by the department. Besides teaching, the department is involved in research. All faculty members of the department did their doctoral research work from reputed institutes from India and abroad. Research interests of the department broadly revolve around energy storage devices, solid state ionics and electronic devices, magnetic properties of amorphous alloys, quantum optics and quantum computation. The faculties of the department have obtained externally funded projects and have established some research collaborations with corresponding departments in other universities/institutions in India and abroad.

Thrust Areas: Energy storage devices (Batteries and Super capacitors), Electronic Devices and Materials, Magnetic Materials, 2D Materials Modelling, Nonlinear Fiber Optics, Quantum Computation

Courses offered by the Department: M.Sc. (Physics)

Conferences/seminars/webinars/workshop Participated

- **Dr Mukesh Chandra** delivered a talk on “Studies on Yttrium Iron Garnet Thin Films Synthesised by Pulsed Laser Deposition Techniques” in the 3rd International Conference on *Advanced Functional Materials & Devices for Sustainable Development* (AFMD-2025), Organized by Atma Ram Sanatan Dharma College, Delhi University, during March-03-05, 2025 in hybrid mode.

Department of Mathematics

Mathematics plays a pivotal role in understanding and modeling the complexities of modern physical phenomena in the real world. With a strong focus on the specialized needs of Engineering and Technology, the Department of Mathematics offers a comprehensive array of core courses designed to equip students with a robust mathematical foundation. Additionally, the department provides advanced elective courses such as Integral Transforms, Numerical Analysis, Game Theory, Optimization Techniques, Mathematical Methods for Chemical Engineers and Operations Research Methods, catering to diverse academic and industry-specific demands.

Beyond teaching, the faculty members are actively engaged in cutting-edge research across various disciplines, including Information Theory and Its Applications, Coding Theory, Data Science, Fuzzy Sets and Logic with Applications, Fluid Mechanics. Their work has significantly contributed to the field, with numerous research papers published in prestigious national and international journals, reflecting the department's commitment to academic excellence and innovation.

Patent/Design/Copyright

- Dr Bali Ram Gupta published a patent on “Revolutionizing Bio-Mechanics and Fluid Dynamics with AI in the New Era “, Application number: 202541014777 with Patent Office, INDIA on March 07, 2025.

Ph.D. Awarded

- Ph.D. degree was awarded to Mr. Pankaj Prasad Dwivedi by the University for his thesis entitled “Multi Criteria Decision Making Methods in Terms of Information Measures” under the supervision of Dr. Dilip Kumar Sharma in September 27, 2024.

- Ph.D. degree was awarded to Mr. Ravendra Prasad Namdeo by the University for his thesis entitled “Magnetohydrodynamics flow over spherical body” under the supervision of Dr. Bali Ram Gupta in October, 2024.
- Ph.D. degree was awarded to Mr. Rishikesh Chaurasiya by the University for his thesis entitled “Multi Criteria Decision-making Using Intuitionistic and Pythagorean Fuzzy Entropies”, under the supervision of Dr. Divya Jain in November, 2024.

Patent/Design/Copyright

- Dr. Divya Jain published a patent on “Personalized Recommendation Systems Enhanced By Natural Language Processing Capabilities” No. 202321070390 with Patent Office, INDIA on Nov. 11, 2023.
- Dr. Bali Ram Gupta and Dr. Divya Jain published a design patent on “AI Based Air Traffic Control System “, Design No. 379398-001 with Patent Office, INDIA on Oct 26, 2023.

Publication (In SCI Journals)

- Rishikesh Chaurasiya and Divya .Jain, “IoT Adoption for Smart Cities Waste Management using Pythagorean Fuzzy MEREC-SWARA-ARAS Method”, Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, <https://doi.org/10.1007/s40010-024-00902-x>, November 2024. (SCIE).
- Pankaj Prasad Dwivedi and Dilip Kumar Sharma, “A Pervasive Model to Evaluate and Ranking the Best 5G Mobile by Cross-Entropy and TOPSIS Method”, International Journal of Communication Systems, Vol. 38(4), pp. 1-18, January 2025. (SCIE).
- Pankaj Prasad Dwivedi and Dilip Kumar Sharma, “Performance measures of sustainable development goals using SWI MCDM methods: a case of the Indian states”, International Transactions in Operational Research, pp. 1-33, DOI.: <https://doi.org/10.1111/itor.13609>, January 2025. (SCIE).

Publication in Conference Proceedings

- Vinod Bhatt ; Dev Brat Gupta ; Divya Jain ; Rajeev Saxena ;Gajendra Sirohi and Rajesh Tiwari, “Evolution of Social Interactive Skills through Integration of Artificial Intelligence and Machine Learning for better Employability” IEEE Conference Proceedings, DOI: 10.1109 / ICCMLA 63077.2024.10871707, February 2025.
- Madhira Srinivas; Mrudula kilaru; Divya Jain and Kawerinder Singh Sidhu , “Fraud Detection and Prevention in E-Commerce: Machine Learning Approaches to Secure Transactions”, IEEE Conference Proceedings, DOI: 10.1109 /CE2CT64011.2025.10939681, March 2025.

Publication of Book Chapters

- D.S. Hooda and Divya Jain, “Fuzzy Binary Relation Matrix and Its Application in Medical Diagnosis” published in book entitled “Mathematics and Computer Science: Contemporary Developments”, Vol-III, pp.144-163 by BP International Publisher, Augus 2024.
- Bali Ram Gupta and Vandana Mishra, Mechanics of Solids, ISBN: 978-93-48684-55-4, e-ISBN 9789348684196, Indo-Continental Academic Publishers, 2025. <https://doi.org/10.5281/zenodo.15259404>.

Conference / Workshop / FDP/Seminar participated

- Dr. Dilip Kumar Sharma, Dr Bali Ram Gupta, Dr. Divya Jain has attended the one week workshop on “Outcome Based Education” organized by JUET, Guna from July 08, 2024 to July 13, 2024.

- Dr. Dilip Kumar Sharma, Dr Bali Ram Gupta, Dr. Divya Jain has attended a webinar on “Contributions of The Department of Atomic Energy & the RRCAT Towards Nation Building” organized by Department of Electronics and Communication, JUET, Guna on occasion of National Space Day on Aug 23, 2024.
- Dr. Dilip Kumar Sharma, Dr Bali Ram Gupta, Dr. Divya Jain and Dr. Vaibhav Bisht has successfully completed the 1st short term programme on Research Methodology organised by the Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce in online mode from October 21- 26, 2024 under the MMTTP of the Ministry of Education, Government of India.
- Dr. Vaibhav Bisht has successfully completed the Faculty Induction Program conducted by Jaypee University of Engineering and Technology, Guna from September 18-24, 2024.
- Dr. Vaibhav Bisht has successfully completed the NEP 2020 Orientation & Sensitization Programme (Programme Code: MMC-138-2024-DEC-A-02810) held online under the Malaviya Mission Teacher Training Programme (MMTTP), Ministry of Education, Government of India, organized by the Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC) from December 2-11, 2024.
- Dr. Divya Jain has delivered an invited lecture on “Application and Importance of Mathematics in day to day life” On the occasion of National mathematics Day celebration held at Govt. Degree college Aron (Rajgarh M.P) on December 18, 2024.
- Dr. Dilip Kumar Sharma, Dr. Diva Jain and Dr. Vaibhav Bisht has successfully completed the online course on “Geodata Processing using Python and Machine Learning” conducted by ISRO during February 17-28, 2025.
- Dr. Divya Jain served as Technical Session Chair in the International Conference on Mechanical and materials Engineering (ICMME-2025) organized by the Department of mechanical Engineering, JUET, Guna(M.P) held from April 28-30, 2025.
- Dr. Dilip Kumar Sharma, Dr. Bali Ram Gupta and Dr. Divya Jain has actively participated in the International conference on Mechanical and materials engineering (ICMME-2025) held from April 28-30, 2025, organized by the Department of Mechanical engineering, JUET, Guna.
- Dr. Vaibhav Bisht successfully completed the 13th Faculty Induction Programme (FIP) – Guru Dakshata, conducted by the Malaviya Mission Teacher Training Centre (MMTTC) in collaboration with Devi Ahilya Vishwavidyalaya, Indore, held in online mode from June 3 to June 30, 2025.

BOS Meeting:

Tenth meeting of board of studies of the Department of Mathematics was held on November 22, 2024 at 12.00 pm in staff conference room.

Department of Humanities and Social Sciences

The Department of Humanities & Social Sciences plays a pivotal role in shaping students into dynamic, future-ready professionals. By complementing technical education with essential professional and behavioral competencies, the department nurtures innovative, competitive, and enterprising leaders who can excel in diverse domains of service and technology. Serving as a Center of Excellence, the department emphasizes the development of communication, interpersonal, and managerial skills, ensuring that students graduate as well-rounded individuals.

In addition to academic lectures and tutorials, the department adopts innovative and interactive teaching methods. These include Report Writing, Resume Building, Group Discussions, Mock Interviews, Debates, and Audio-Visual Presentations, all of which sharpen oral and written communication abilities. To enhance managerial acumen, tools like Case Studies, Role Plays, and critical discussions are employed. Furthermore, activities such as Leadership Development games, Team-Building exercises, and Conflict-Resolution workshops—both indoor and outdoor—provide practical learning experiences beyond the classroom.

By integrating behavioral training with technical expertise, the department ensures that graduates are not only skilled engineers but also professionals capable of effective collaboration within organizations.

Salient Features of the Department are:

- Dedicated Center of Excellence for professional and behavioral skill development.
 - Focus on Communication, Interpersonal, and Managerial skills.
 - Practical learning through case studies, role plays, and article discussions.
 - Activities for Leadership Development, Motivation, Team-Building, and Conflict Management.
 - Innovative grooming techniques: mock interviews, debates, group discussions, and resume writing.
 - Programs offered: 3-year Undergraduate (BBA) and Doctoral (Ph.D.) degrees.
- **Undergraduate Program (BBA):** The Department of Humanities and Social Sciences at JUET, Guna launched its 3-year Bachelor of Business Administration (BBA) program in the academic year 2024–25, admitting its first batch of four students. Aligned with the AICTE model curriculum, the program provides a solid foundation in accounting, finance, marketing, human resources, and operations, blending theory with practical learning. Key features include case studies, internships, industry projects, entrepreneurial support through the Entrepreneurial Development Cell (EDC), leadership and communication training, and expert faculty with academic and industry expertise. With strong digital infrastructure and placement support, the program ensures career-ready graduates.
 - **Doctoral Program (Ph.D. in Humanities & Social Sciences):** The Department of Humanities and Social Sciences at Jaypee University of Engineering and Technology (JUET), Guna, offers a rigorous doctoral (Ph.D.) program aimed at fostering advanced research in areas such as economics, management, psychology, and English literature. The program emphasizes interdisciplinary research, critical thinking, and academic excellence. Doctoral scholars benefit from expert faculty guidance, access to digital resources, and opportunities for conference participation and publications. With a focus on both theoretical and applied research, the department supports scholars in contributing to societal and organizational development. JUET’s research environment encourages innovation, scholarly collaboration, and professional growth.

Major Facilities in the Department:

- **Language Laboratory** – core facility with advanced tools to strengthen listening, speaking, reading, and writing skills.
- **Leadership & Communication Training** – group discussions, debates, role plays, mock interviews, and team-building activities.
- **Lecture Theaters & Smart Classrooms** – for interactive teaching, workshops, and expert sessions.
- **Digital Learning Resources** – enabling audio-visual presentations, case studies, and innovative teaching practices.

Invited/Expert Lecture delivered:

- Dr. Kamini Bhasin delivered a keynote speech as an eminent speaker at ‘Shodh Shikhar- Vigyan Parv’, an International Conference on Research, Innovation & Science communication on March 28-29, 2025 organized at RNTU, Bhopal.
- Dr. Sandeep Srivastava delivered a expert lecture at National-Level Programme for Teachers/Staff/Research Scholars of Technical Institutes/ Colleges/ Polytechnic Institutes and other institutes on the topic of “Managing Business Start-ups for Making Self-reliant India” from November 25-29, 2024 in online / ICT mode organized by National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

Conference/Workshop/Training/short-term course organized:

- Dr. Tamanna Agarwal organized and moderated a session on ‘Business Model Canvas framework’ on April 29, 2025, in collaboration with IIC, at JUET Guna.

- Dr. Kamini Bhasin organized a session on ‘How to Plan for Start-up and Legal & Ethical Steps’ on April 12, 2025 at JUET, Guna.
- Dr. Tamanna Agarwal organized and moderated a webinar (expert talk) on ‘Critical soft skills for successful career and entrepreneurship’ on March 4, 2025 at JUET, Guna.
- Dr. Tamanna Agarwal organized a workshop on ‘Future-Ready: Developing Essential Life Skills for successful Career/Entrepreneurship’ from March 3- 8, 2025 at JUET, Guna.
- Dr. Kamini Bhasin conducted a workshop on the topic ‘Effective Sales and Marketing Strategies for Entrepreneurs / Startups’ on February 21, 2025 at JUET, Guna.
- Dr. Kamini Bhasin organized a thought-provoking expert session on ‘Old Yogic Techniques through the Lens of Science’, on February 7, 2025 at JUET, Guna.
- Dr. Kamini Bhasin organized a seminar on ‘Basics of Intellectual Property Rights and its Importance for Innovators and Entrepreneurs’ on November 21, 2024 at JUET, Guna.
- Dr. Tamanna Agarwal organized a seminar event on ‘Problem-Solving and Ideation Workshop’ on November 20, 2024, at JUET, Guna in collaboration with IIC, JUET.
- Dr. Tamanna Agarwal organized a workshop project event in collaboration with Mulya Pravah and Jeevan Kaushal committee (MPJKC) on ‘Human Values and Professional Ethics’ from October 21-26, 2024, at JUET, Guna.
- Dr. Kamini Bhasin organized an awareness session and questionnaire on ‘Abhimanyu Abhiyaan’ on October 4, 2024 in collaboration with Gender Sensitization Cell, JUET, Guna.
- Dr. Sandeep Srivastava organized a motivational session by successful Innovator on September 24, 2024 at JUET, Guna
- Dr. Kamini Bhasin organized a seminar to raise awareness about HIV/AIDS and TB On September 13, 2024 at JUET, Guna.
- Dr. Tamanna Agarwal organized a seminar event on ‘Accelerators/Incubation-Opportunities for Students and Faculties-Early Stage Entrepreneurs’ on August 28, 2024, at JUET, Guna in collaboration with IIC, JUET.
- Dr. Kamini Bhasin organized a Poster Presentation event on ‘Start ups and Linkage with Innovation Ambassadors’ on August 23, 2024 at JUET, Guna.

Conference/Workshop/Training/short-term course attended:

- Dr. Kamini Bhasin attended an international conference ICMME-2025 held from April 28-30, 2025 organized by Department of Mechanical Engineering, JUET, Guna.
- Dr. Vikram Singh Chouhan, Dr. Tamanna Agarwal, Dr. Kamini Bhasin completed IP Awareness/Training program on ‘National Intellectual Property Awareness Mission’ conducted by Intellectual Property Office, India held on April 30, 2025
- Dr. Vikram Singh Chouhan presented a paper entitled ‘Linking work-life balance and employee well-being: Mediating role of job satisfaction’ in International Conference on “1. International Prizren Scientific Researches and Innovation Congress” held on April 26-27, 2025, Kosova.
- Dr. Vikram Singh Chouhan attended a National webinar ‘IP and Music- Feel the beat of IP’ conducted by Turnip Innovations and Qualcomm Inc held on April 25, 2025.
- Dr. Kamini Bhasin participated as jury member in Ideathon 2025 organized by IIC on February 24, 2025.
- Dr. Kamini Bhasin attended an international webinar on ‘Ethical writing Practice in the age of AI: Avoiding Unintentional Plagiarism’ organized by Rajagiri College of social sciences, Kochi in association with Turnitin on February 21, 2025.
- Dr. Vikram Singh Chouhan presented a paper entitled ‘Impact of authentic leadership on workplace spirituality: The mediating roles of self-efficacy and employee well-being’ in International Conference on “10. International Palandöken Scientific Studies Congress” held during February 15-16, 2025.
- Dr. Tamanna Agarwal participated in one-week NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission

(UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) from February 10-19, 2025.

- Dr. Vikram Singh Chouhan attended a National Online Innovation Conference ‘Turnip Innovation Festival’ conducted by Turnip Innovations and Qualcomm Inc held on January 25, 2025.
- Dr. Tamanna Agarwal participated in a Five-day National Faculty Development programme on ‘Research Structuring & Publication Process’ organized by Centre of Research and Training, NFED, Coimbatore, TamilNadu, from January 17-21, 2025.
- Dr. Kamini Bhasin participated as editorial committee member in ICSSR sponsored seminar NSSLS-2024 on ‘Social Science and Library Science for Viksit Bharat@2047’ organized at JUET, Guna during December 7-8, 2024.
- Dr. Tamanna Agarwal, Dr. Sandeep Arya, and Dr. Shekhar Singh participated in six-day online faculty development programme on ‘Smart Manufacturing and Industry 4.0: The Future of Production’, organized by IQAC and RDC of Asian Business School, Noida, from October 21-26, 2024.
- Dr. Sandeep Srivastava attended an online-STP on Research Methodology organised by the Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC) from October 21-26, 2024.
- Mr. Neeraj Jain attended a workshop on ‘Educational Process in the perspective of Indian Knowledge System and National Education Policy 2020’ sponsored by the Department of Higher Education, Government of Madhya Pradesh and nominated by Jaypee University of Engineering & Technology, held at Amaltas University, Dewas on October 4-5, 2024
- Dr. Kamini Bhasin presented a research paper titled ‘Women in Tech: Opportunities and Challenges’ in ICSSR sponsored national seminar on ‘Women entrepreneurship: Driving Economic Empowerment in Atmanirbhar Bharat’ organized at JBS, IIIT, Noida during September 20-21, 2024.
- Dr. Vikram Singh Chouhan completed a one-day webinar on ‘Creating IP led Academic Spinoff’ conducted by Turnip Innovations Pvt. Ltd. held on August 12, 2024.
- Dr. Vikram Singh Chouhan presented a paper entitled ‘Impact of career adaptability on job search self-efficacy: an empirical study among Indian university students’ in International Conference on “4. Bilsel International Sumela Scientific Researches Congress” held on August 10-11, 2024, Trabzon/Türkiye.
- Dr. Shekhar Singh, Dr. Kamini Bhasin, Dr. Tamanna Agarwal, Dr. Sandeep Arya participated in a one-week workshop on ‘Outcome Based Education’ held during July 08-13, 2024 organized by IQAC, JUET, Guna.

Publication (In Journals):

Scopus/SCIE/SSCI/ESCI:

- Oinam Sadananda Singh, Anu Jossy Joy, **Shekhar Singh**, Prasanta Kumar Parida, Vivek Singh Sachan, SK Bose, Satya Prakash Verma, "Evaluating The Impact Of Social Protection Policies On Rural Poverty Alleviation: A Comparative Study In Developing Nations", Journal of Applied Bioanalysis, Vol. 11, No. 2, pp. 52-60, April 2025.
- Dhanya K A, Anita Awasthi, Deeksha Bordoloi, Sandeep Kumar Singh, **Tamanna Agarwal**, Debasri Dey, "Perceptions of Safety and Social Interaction in Urban Neighborhoods", Journal of Applied Bioanalysis, Vol. 11, No. 2, pp. 70-77, April 2025.
- **Vikram Singh Chouhan**, “Examining Relationship of Workplace Spirituality with Work Engagement, Organizational Commitment and Trust”, VIKALPA- The Journal for Decision Makers, Vol. ahead-of-print No. ahead-of-print, pp. 1-19, April 2025. DOI: [10.1177/02560909251325386](https://doi.org/10.1177/02560909251325386)
- Farheen Ahmad, Uma Shankar, G V Radhakrishnan, Sameen Mudassir Patel, **Shekhar Singh**, “The Interconnection of HR Strategies and Financial Performance in Modern Organizations”, Journal of Information Systems Engineering and Management, Vol. 10, No. 10s, pp. 499-508, March 2025.
- **Vikram Singh Chouhan** and **Abhishek Shukla**, “The association between virtual communication and leadership in the post-pandemic era: the role of emotional intelligence”, Asia-Pacific Journal of Business Administration, January 2025. <https://doi.org/10.1108/APJBA-11-2023-0601>

- Naveen Cherupelly, Shanthi S. Shenoy, Sherine Allena Joseph, Prasanta Kumar Das, **Kamini Bhasin**, “Community resilience to climate change: Integrating sociological perspectives.”, Journal of Applied Bioanalysis, Vol. 11, No. 1, pp. 10-16., January 2025. <https://doi.org/10.53555/jab.v11i1.055>
- **Vikram Singh Chouhan**, “Linking workplace spirituality, workplace incivility and employee silence: moderating role of dark triad”, South Asian Journal of Business Studies, Vol. ahead-of-print, No. ahead-of-print, pp. 1-20, November 2024. DOI: 10.1108/SAJBS-11-2023-0404
- **Abhishek Shukla**, Amit Srivastava, “Immersive Healing: Examining the Effectiveness of Cognitive Behavioral Therapy Using Virtual Reality to Reduce Cognitive Distortions”, Augmented Human Research, Vol. 9, No.1, pp. 2, August 2024.

Others:

- **Sandeep Arya, Shekhar Singh**, “The Role of Behavioural Finance in Understanding Market Anomalies”, South Eastern European Journal of Public Health, Vol. 26, No. S1, pp. 1799-1812, February 2025
- **Shekhar Singh, Sandeep Arya**, Tanmay Pant, **Tamanna Agarwal, Sandeep Srivastava**, “Examining the Effect of Social Media Communication on COVID-19 Vaccination Intentions: The Mediating Role of Interpersonal Communication and Risk Perception”, Journal of Management World, Vol. 2025, No. 1, pp. 830-838, January 2025.
- Ankita Jain, **Dr. Sandeep Srivastava, Dr. Abhishek Shukla**, “Materialism and Compulsive Buying: The Mediating Roles of Self-Control and Anxiety”, South Eastern European Journal of Public Health, Vol. 25, pp. 83–96, August 2024.

Publication of Book Chapters:

- Kamini Bhasin published a book chapter titled ‘Reimagining Libraries: Transforming Knowledge Hubs into Skill Development Centers’ in ICSSR sponsored seminar NSSSLS-2024 on ‘Social Science and Library Science for Viksit Bharat@2047’ organized at JUET, Guna during December 7-8, 2024.
- Sandeep Srivastava published a book chapter titled ‘Compulsive buying behaviour: An Investigation of its antecedents’ in ICSSR sponsored seminar NSSSLS-2024 on ‘Social Science and Library Science for Viksit Bharat@2047’ organized at JUET, Guna during December 7-8, 2024.
- Kamini Bhasin published a book chapter titled “Women in Tech: Opportunities and Challenges” in ICSSR sponsored national seminar on ‘Women entrepreneurship: Driving Economic Empowerment in Atmanirbhar Bharat’ organized at JBS, IIIT, Noida during September 20-21, 2024.

LEARNING RESOURCE CENTRE

Learning Resource Centre (LRC) plays a very vital role starting from acquiring to disseminating all types of information resources & services to support the academic and research need of the users. LRC provide its services among 1967 approximately Users containing students, faculty, staff, and research scholars. It has around 37873 volumes of books , many open sources e-books, 5 e-journals data base , online video lectures and 50 Nationally & Internationally printed journals and magazines. Collection also comprises 2375 printed and 102 Digital project of B.Tech & M.Tech students, 1306 Bound volume of Journals, 131 PHD theses, handbooks, encyclopedia, reports, theses, standards, atlases and patents.

LRC provides following services for optimum use of its resources

Landing Service

Reading room and Reference Service

Inter Library Loan Service

Newspaper Clipping & CAS Service

Book Bank Facility

Digital Repository

24x7 accesses of all the e-resource through LRC web portal

Reprography Services

Procurement of Books

This year LRC procured 84 print books worth Rs.106185.00 also received 33 books as gifts from faculty and outgoing passed out students.

Subscription and Renewal of periodical and Electronic Databases

The library subscribed 50 print journals & magazines and 5 online databases. Besides, this got access of many free databases from various organizations like Shodhganga, NDL etc. The total expenditure on Newspaper, subscription of print, online journal and online databases for the year was Rs 3722793 .00 approximately.

During this Year LRC also Renewed EBSCO eBooks Engineering Core Collection worth Rs. 90992.00.

Subscription of DELNET

This year LRC also renew DELNET a major resource sharing library network in India connecting more than 9400 libraries in 28 states and 8 Union Territories and few other countries. Annual subscription renewal worth Rs.13570.00 for the year 2024- 25.

IT INFRASTRUCTURE

Hardware - Servers

Servers are the crucial part in the IT Infrastructure of the university. We have 19 servers running the various applications catering to the academic needs. The IBM Servers include model X3500, X3400, X3100, X235, X226, X206, Sophos XG 430 & Cisco Secure ACS 1113, Cisco 1133 LAN Solution Engine, etc. to name the few. The model and configuration of these servers have been carefully chosen to take in view of the High Availability, performance and stability with redundancy. Microsoft Windows Server 2008 R2, 2003 R2 and Red Hat Linux Enterprise are the major operating systems we are using in servers.

Domain/ File Server – It is used to provide user log-on and data storage facilities. The user can access their resources from anywhere in the campus.

Lotus Domino server - It reduces the paperwork and provides the prompt messaging services to internal as well as external domains with a registered domain name “juet.ac.in”. The user can access their respective mail-box upon authentication in the campus and accessible through the internet (webmail) from anywhere in the world.

Linux Server- This Server is used for shell programming and server provides platform other than Windows.

Campus Lynx. Database Server (IRP) – The Campus Lynx. IRP (Integrated Software Solutions for Educational Institutes) software are designed and developed by the info-tech division of Jaypee Group includes modules like Financial Accounting System, Fixed Assets Management, HRMS, Purchase, Inventory, Counseling, and Student Information System. The server runs Oracle on UNIX platform.

License Server -License software installed i.e. STAAD Pro, MATLAB, Pro Engineer, ETABS 9.5, SAP-2000 V-14.2.0, which are network edition.

Backup Server (s) –This server is used for the data backup of individual users and real time servers.

Sophos XGS 3100 Firewall – Internet user management system, Firewall & Proxy Server with High Availability.

Wireless Network System - Cisco 1113 ACS Server and Cisco 1133 Radius Server, Wire Less Bridges & Access Points to provide the Wi-Fi connectivity within the campus.

Antivirus Server – Sophos Endpoint Protection Antivirus server – Powerful anti-virus solutions is implemented which continues to provide the anti-virus updates deployment to client machines automatically and raises alerts to Sophos Endpoint Protection Manager.

Web Server – The University has its own website (www.juet.ac.in) which is linked to webkiosk facility and provides online status of academic information such as grade sheet, attendance and exam result, etc. to the university students and employees from anywhere in the world.

Other Servers – Live DNS server for registered domain “Juet.ac.in”, Lab server for student uses, Oracle database, DHCP, Additional domain controller, LRC Opac for library automation, etc.

Computers/ Peripherals 1217 IBM/ Lenovo/HP/ Compaq/Dell Core i7, Corei5, Core i3 series, Core2 Duo and Dual Core Desktop/ Laptop computers with preload professional operating system of Windows XP/ Vista, Windows 2007, Windows10 and Windows11 are installed in academics.

Printers - The University has provided 53 numbers of printers which includes 14 numbers HP Make heavy duty Network printers (Hp 5200n/HP-M305dn/HP136NW/2055N) & HP LaserJet MFP, LIPI (T6050), DMP Printers, 1150/1300/1022 Desktop Printers models, HP LaserJet color printer 2600n/2025n & C4600 for individual/ departmental printing.

Scanners The University has provided 15 HP make scanners to fulfill the scanning work related to academics.

UPS - Tata Libert/Emersion and BPE online UPSs of capacities 142 KVA have installed to ensure uninterrupted power supply requirements of all Servers, Computers, Networking devices, printers, audio visual equipments and other peripherals.

Audio-Visual System

The university has 33 Nos of projectors of different makes i.e. Epson, Sanyo, Cannon & Mitsubishi and sound system of Shure LX, Yamaha, Studio master and Polycomm. Each Lecture Theatre is equipped with Audio-Visual equipments which includes computer, ceiling mount projector, motorized screen, visual presenter and sound system. The computer system is connected to network so any user can access their data and study materials. The visual presenter is used to display slides or paper presentation on screen.

There is a set of well-arranged audio systems comprising speakers, microphones (handheld wireless, collar, and table mikes), amplifiers and mixers along with noise destroyer, to ensure uniform distribution of sound in every part of the lecture theatre. All lecture theatres are acoustically treated to avoid echo.

CCTV System

The university has installed 4- NVR, 6-DVR and 78 numbers of CCTV cameras at different location for surveillance and monitoring purpose. To cover the entire university, the work of installing more than 500 CCTV cameras is in progress.

Digital Learning Centre

Digital Learning Centre comprises of state-of-the-art multimedia studio, discussion & chroma studios, and a 60 seater review cum lecture room with automated controls like editing, simulations, and animations.

The objective of the Digital Learning Centre is to enrich the learning experience of students, at JUET and also contribute to the education ecosystem at national level.

Network

A. Wi-Fi Enabled Hostels

The university hostels are provided with Wi-Fi connectivity so that hostlers can access network as well as Internet facility within the campus uninterruptedly for that we have installed two servers Cisco 1113 Secure Access Control Server and Cisco 1133 Wireless LAN solution Engine server along with PoE Switches and Access points.

B. Local Area Network

The university campus network is connected with OFC and copper-based media, wireless bridges and access points. The University has 139 Nos. of managed and 35 Nos. of unmanaged switches of different makes i.e. Cisco, Extreme, 3 COM, Supercomm & D Link. Our computer network is built on a CISCO switching platform with a backbone running on Optical Fibre. The different segments of network are directly connected to core switch through optical fiber cable media. The University has Cisco Catalyst 4510R backbone Core Switch with 24 OFC- SFP fiber ports and 48 Gigabit RJ45 Copper connectivity ports, which can be increased further by adding extra modules (fiber/ copper) to fulfill the future scalability. The expansion slots include two Cisco 6E Supervisor Engine Modules with OFC and one RJ45 copper Gigabit ports.

The different segment of the network is designed using CISCO – Catalyst PoE/ Non PoE, Extreme (Avaya) switches and Dlink switches with fiber modules for uplink and RJ45 ports for desktop connectivity. The University has Layer 3 and Layer 2 switches which provide VLAN routing and Security network over VTP Domain. Each network segment is assigned a separate VLAN ID over PVST.

Cisco Catalyst 4510-R core switch has feature to apply ACLs between different VLANs for network security and traffic control. The University has Wi-Fi Zones in different locations, including Hostels and Academic area. The entire campus is connected with Wired-LAN and Wireless-LAN(Wi-Fi) points. JUET's network has provision to support approximately 5000+ nodes throughout the campus.

C. Internet

The University has 1Gbps Internet lease line through National Knowledge Network (NKN) and 200 Mbps Internet Leased Line from Reliance JIO as backup for Servers. The users have round-the-clock access to internet facility in Wi-Fi Zone near academic building, hostels as well as residential area. The Cyberoam (complete Internet management solution) server is used to manage the Internet traffic, bandwidth QoS. It is useful to manage content filtering, apply traffic policy, data transfer and time restriction modules. It also provides cache facility, antivirus and anti spam features high level protection.

Application Software

Campus Lynx -We are using IRP (*Institutional Resource Planning*) solution as Campus Connect in following modules.

- Counseling and Registration (Online)
- Student Information System
- Examination
- Human Resource Management System
- Financial Accounting System
- Web Kiosk
- Alumni
- Training & Placement

Software for Labs and Library

The major software used for academic purpose including for programming and multimedia are given below:-
Borland Turbo C++ provides all of the tools, included in one environment. Turbo C++ provides tight integration between the editor, compiler, linker, and debugger.

AutoCAD 2004 & AutoCAD 2021 ST.ver is a popular computer aided drafting program developed by Auto Desk.

SolidWorks 2016 is a popular 3D modeling program.

Adobe Photoshop: Adobe Photoshop is the professional image-editing standard and leader of the Photoshop digital imaging line, delivers more of what you crave. Creative tools helps more efficient editing, processing, and file handling.

Adobe Illustrator CS software is an essential tool to express ideas visually in print, or on the Web. Powerful new features, including 3D graphics effects, character and paragraph styles, and innovative text composition controls, deliver design options for creative vision. And enhanced support for Adobe Portable Document Format (PDF), expanded print capabilities, faster performance, and tight integration with other Adobe products as well as Microsoft Office make it easier than ever to efficiently publish your artwork anywhere.

Director MX 2004 is the proven tool for creating rich multimedia content and applications ideal for interactive educational content, cross platform publishing, Advanced Memory management for smooth playback of large multimedia or video files, DVD-Video support, integration with Macromedia Flash MX and a choice of scripting languages.

Microsoft Office 2007 is a suite of productivity programs created by Microsoft. The MS Office is the most popular office suite on the Windows and considered standard for word processing, spreadsheet, and presentation documents.

STAAD Pro is a popular structural engineering software product for 3D model generation, analysis and multi-material design. It has an intuitive, user-friendly GUI, visualization tools, powerful analysis and design facilities and seamless integration to several other modeling and design software products.

Matlab 13a (Matrix laboratory) is an interactive software system for numerical computations and graphics. Matlab is especially designed for matrix computations: solving systems of linear equations, computing Eigen values and eigenvectors, factoring matrices, and so forth. In addition, it has a variety of graphical capabilities, and can be extended through programs written in its own programming language. Matlab is designed to solve problems numerically, that is, in finite-precision arithmetic.

Oasis (library management software) is for distribution of books, inventory, cataloguing, barcode, online search. Online search offers availability of books from any node in the campus. The search criteria based on title, author, publication.

Digital Multimedia Language Lab & Teaching Server and Client edition – It is used for learning English language & Personality development.

SPSS – It is used for Statistics calculation and analysis in Computer Science environment.

ETABS 9.5 (D), MEMSPro_5.1, Primavera, Pro-E, SAP2000 V-14.2.0 (D) are most useful engineering software in Mechanical and Civil for modeling, designing and analysis in the laboratory.

VHDL Multisim & Xilinx5.2i and modelsim5.4e – For Electronic circuit designing and testing.

LAN Trainer – For computer networking practical in Laboratory for teaching Local Area Network concepts.

ORACLE 12C Standard edition 1 (15 User) and **EMBARCADERO C++ Builder 1 (30 user)** are very useful engineering software in CSE.

ACADEMIC ADMINISTRATION

Admission Process

- **UG Programme**
Admissions in the B.Tech Courses academic session 2023-24 is carried out through a counseling process conducted by the university, based on JEE (Mains) exams and 10+2 merit of PCM marks.
- **PG Programme**
The admission for M. Tech programmes is based on GATE score / Entrance Test conducted by the university for eligible candidates.
- **Ph.D**
The selection is done through a PG entrance examination test and interview of short listed candidates, based on their qualifications and credentials.

Students Enrollment

The university over the period of twenty years has gained strength and confidence of the people. The number and quality of intake has shown a remarkable improvement. The status of student strength of last four years is tabulated below.

Year	B.Tech		M.Tech		B.Sc.		M.Sc.		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
2020-21	329	77	0	0	1	1	0	0	334	79	413
2021-22	322	90	1	0	0	0	0	0	323	90	413
2022-23	396	90	5	0	0	0	0	0	401	90	491
2023-24	357	93	0	0	0	0	0	0	357	93	450
Total	1404	350	6	0	1	1	0	0	1416	351	1767

Note: 51 Ph.D. Scholars (35 males and 16 females).

- **Faculty:**

The unique feature of the university is that despite being at nascent stages of development it has high quality of faculty members on its rolls. The details of the faculty members with their academic qualifications are as **Appendix-D**.

- **Supporting Staff:** The details of administrative and support staff are attached as **Appendix-E**.

- **Results:**

The performance of students in the university is graded in terms of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) over a scale of 10. Result Analysis of Academic Year 2022-23 is at **Appendix-F**.

Of the above; following students qualify for award of Medals of merit:-

- (a) Chancellor Gold Medal for standing first amongst all courses:

Sr. No	Branch	Er. No.	Student Name	CGPA	Total no. of Students
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1.	CSE	201B254	SHIVANSH TIWARI	9.3	402
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(b) Vice Chancellor Gold Medal for standing first in respective batch:

Sr. No	Branch	Er. No.	Student Name	CGPA	Total no. of Students
1.	ECE	201A012	PRAGATI PUROHIT	9.2	20
2.	CSE	201B126	ISHITA JAIN	9.3	360
3.	CHE	201C004	HARDIK GUPTA	8.9	5
4.	CE	201D009	AYUSH SONI	8.9	9

Ph.D. Awarded

Doctor of Philosophy degree has been awarded to the following on dates mentioned against their names:-

- Mr. Shrinarayan Yadav on 13 Jan 2024 in Civil Engineering Department.
- Mr. Rishikesh Chaurasiya on 09 Jul 2024 in Mathematics Department.
- Mr. Manoj Kumar on 09 Aug 2024 in Electronics & Communication Engineering Department.
- Mr. Amiya Kumar Sahu on 25 Feb 2025 in Mechanical Engineering Department.
- Mr. Shivendra Dubey on 01 Mar 2025 in Computer Science Engineering Department.
- Ms. Rishika Chauhan Dumka on 05 Apr 2025 in Electronics and Communication Engineering.

Teaching Assistantship: Four Ph.D scholars have been awarded teaching assistantship of Rs.37,000/- per month depending upon their teaching load assigned.

Scholarship

(a) **Post Matric Scholarships for SC/ST and OBC Students of MP, Procedure, Terms & Conditions: Madhya Pradesh.**

Government of Madhya Pradesh provides different types of scholarships to eligible students. Students are required to apply for scholarships through online on Govt. website thereafter they are required to submit a printout to the University Office with all supporting documents within stipulated time.

For more details, procedure, terms and conditions students may contact to Registrar Office and visit Govt. website - <http://scholarshipportal.mp.nic.in> and www.tribal.mp.gov.in

(b) **Chief Minister Meritorious Scholarship Scheme for the Students of MP Eligibility.**

- Should be a domicile of Madhya Pradesh.
- Secure upto 1.50 lakhs in all India JEE Mains.
- Annual income of parents Rs.6.00 lakhs or less.
- Minimum 70 and above % in MP Board and 85 and above % in CBSE Board in class 12th exam.

Benefits

- Students are eligible upto Rs.1.50 lakhs or actual fee if the fee is less than Rs.1.50 lakhs for admission in private engineering Universities / Colleges.

Terms & Conditions

- Students should qualify B.Tech course in four years. If they fail to do so then benefits of scheme will be discontinued.
- Amount of scheme will be transferred in students' account if they take admission in private University / College.
- If, the student is getting benefits of other scheme from Central or State Govt. agencies, the amount of other schemes will be deducted from the above scheme.
- All candidates who will be getting benefits may return the amount of above scheme for other students in Govt. account if they wish.

Procedure for Applying

- Students can apply for the above scheme through MP Govt. Portal i.e. <http://scholarshipportal.mp.nic.in> the applications are verified by the concerned University / College.

(c) Scholarship for Minority Category Students

Govt. of India is providing scholarship for minority category students and other Govt. agencies like UGC, AICTE are also providing scholarship for students.

For more details, procedure, terms and conditions students may contact Registrar Office and visit Govt. website –<https://scholarships.gov.in>

(d) Scholarship for other State Students

Other than Madhya Pradesh, some states are also providing scholarship to the students of their respective state who have been studying in JUET, Guna. Moreover, some of the students of Jaypee University of Engineering & Technology, Guna (JUET) have already been receiving scholarship from their parent state. Various state websites for scholarship are as under: -

	State	Portal website
•	Madhya Pradesh	http://scholarshipportal.mp.nic.in and www.tribal.mp.gov.in
•	Bihar	http://bcebcwelfare.bih.nic.in/
•	Jharkhand	https://ekalyan.cgg.gov.in/
•	Minority Department	https://scholarships.gov.in/

(e) Bihar Student Credit Card Scheme eligibility for the students of Bihar

- Should be a domicile of Bihar.
- Passing certificate of 12th exams from Bihar or nearby States.
- Pursuing courses from State or Central Governments authorized University / college.
- Age limit of candidates for degree course should not be more than 25 years and for Post Graduate course should not be more than 30 years.
- If the candidates quit the course during study, the scheme will be discontinued.

Benefits

- Students will be eligible for education loan upto Rs.4.00 lakhs and hostel fee if hosteller and non hosteller students will be eligible for maintenance charges according to city.
- Annual rate of interest (simple interest) for the above scheme is 4%.

Conditions

- All candidates who will be getting benefits are required to refund the loan amount to Govt. for other students after moratorium time in 60 installments if amount is upto Rs.2.00 lakhs and 84 installments if amount is more than Rs.2.00 lakhs.

Procedure for Applying

- Students can apply for the above scheme through Bihar Govt. Portal i.e. www.educationbihar.gov.in/StudentCreditCard.aspx for detail information (Eligibility, Application Procedure, Required documents etc) students can contact Registrar Office.

Details of scholarship AY 2024-25 are as under:-

1. Post Matric Scholarship (MP) OBC Category	-	129
2. Post Matric Scholarship (MP) SC Category	-	009
3. Chief Minister Meritorious scholarship for MP Students	-	004
4. Nation Scholarship for minority students	-	006
Total -		<u>148</u>

Fee Concession to the wards of Jaypee Group Employees:

Fifty two (52) approx students have benefitted under scheme of Fee Concession to Wards of Jaypee Group Employees whose parents are working in Jaypee Group at different locations / sites in different cadre / level and will be continued for next 4 years (till completion of Degree) on the basis of their performance and if they maintain their CGPA 6 and above.

- **Admission to Meritorious Students:** The Management has approved that students who take admission in the first year of the 4-Year UG programme in academic session 2025-26 with an JEE Mains Rank of less than 1000 in the JEE-2025 conducted by CBSE, shall be provided free education for the entire duration of under graduate programme.
- **Meritorious Students** of Sardar Patel School Rewa are given special admission in university and they are exempted from payment of all fee. 5 students were given admission in academic session 2024-25 with full fee exemption.
- **University of Florida:** The primary objective of the MOU signed with University of Florida, Gainesville, USA is the development of cooperative efforts between Florida and Jaypee Education System, which will enhance the academic interchange between the two institutions, promote exchange between the faculty members and students of the two institutions as well as the exchange of academic and research information.

Interactions/Celebrations/Events in Academic session 2024-25

- (a) Celebration of Independence Day on 15 Aug 2024.
- (b) Celebration of Freshers Function on 24 Aug 2024.
- (c) Celebration of Krishna Janamastami on 26 Aug 2024.
- (d) Celebration of Shri Ganesh Chaturthi on 07 Sep 2024.
- (e) Celebration of Engineers Day on 16 Sep 2024.
- (f) Celebration of Shri Vishwakarma Pooja on 17 Sep 2024.
- (g) Celebration of Mahatma Gandhi ji's birthday on 02 Oct 2024.
- (h) Celebration of Kanya Bhoj and Dushera on 11 & 12 Oct 2024.

- (i) Celebration of Deepawali on 31 Oct 2024.
- (j) Celebration of Christmas Day on 25 Dec 2024.
- (k) Celebration of New Years Day on 01 Jan 2025.
- (l) Celebration of Birthday of Hon'ble Founder Chairman and Chancellor of JUET Guna on 02 Jan 2025.
- (m) Celebration of Republic Day on 26 Jan 2025.
- (n) ACM & BOM Meeting held on 18 Feb 2025.
- (o) Celebration of Mahashivratri on 26 Feb 2025.
- (p) Celebration of D'Extra-Student Fest on 01 Mar 2025.
- (q) UAMC Meeting held on 04 Mar 2025.
- (r) Celebration of International Women's Day on 06 Mar 2025.
- (s) UAMC Meeting held on 26 Mar 2025.
- (t) Celebration of Ramnavami on 01 Jan 2025.
- (u) 9th UAMC Meeting on 08 Apr 2025.
- (v) 10th UAMC Meeting on 03 Jun 2025.
- (w) International Yoga Day on 21 Jun 2025.

Conferences / Workshops / Seminars

- (a) Annual Technical Festival "Technical Fest "Techyan" organized by JYC from 15-17 Nov 2024.
- (b) Library (LRC) organized National Seminar on Social Science and Library Science on **08 December 2024**.
- (c) ECE Department organized one week staff training program on "Digital Component Applications" from 16 to 21 Dec 2024.
- (d) HSS Department organized a day Workshop on "Digital Literacy" on 17 Dec 2024.
- (e) Finance and Accounts department organized One-week staff training programme on Financial Accounting & Procedure from 18.12.2024 to 24.12.2024
- (f) HSS Department organized one week staff training programme "Formal Writing English" from 01 to 07 Jan 2025.
- (g) National Youth Day & NSS Orientation Program organized on 15 Jan 2025.
- (h) International Conference of Mechanical and Material Engineering.
- (i) TEDx held at on 03 May 2025 in Tagore Hall.
- (j) Farewell of 4th Year on 10 May 2025 in Tagore Hall.
- (k) Workshop organized by JUET Medical Centre from 27 Jun 2025 to 02 Jul 2025.
- (l) Training on Fire & Safety on 30 Jun 2025.

Visits

- (a) Brig Sanjay Dawar (Retd), Head (T&P), IIIT Noida visited campus on 22 Sep 2024.
- (b) Air Force Team visited campus on 12 Jan 2025.
- (c) Videographer team visited campus on 12 Jan 2025.
- (d) Labour Officer, Guna visited campus on 17 Jan 2025.
- (e) Shri Alok Gaur ji alongwith Shri D.S. Ahuja ji visited campus on 24 Jun 2025.

Misc.

- (a) Health check-up camp on 05 Oct 2024 sponsored by Axis Bank "Blood Testing Camp" by Lal Pathology – 100 people gave blood sample and got benefitted.

Group Accidental Insurance Plan for Students

1. All students of the University are being insured through M/s New India Insurance Company as per details in succeeding paras's w.e.f. 01 Aug 2019.

2. Premium Rs.293/- per year will be deducted from caution money and adjusted at the time of passing out.

Benefits

- (i) **Education Continuity Benefit of Rs.10,00,000/- (10 Lacs) - Earning Parent Covered for Rs.10.00 Lacs:** One earning parent is covered for accidental death benefit of Rs.10 Lac so that the education of the student is not interrupted due to any mishap resulting loss of life of the earning parent due to an accident. TATA AIG has given Rs.10.00 Lakh to one student under cover in Insurance policy on death of her father.
- (ii) **Accident Medex Cover for Students of Rs.50,000/- for in Patient Treatment & Rs.5000/- for Out Patient Treatment per student:** Both hospitalization & outpatient medical expenses are covered for the student for all accidents happening at the institution, travel from institution to home, school picnic, field trips & also travel to institution from home (a 24X7 cover).

The benefit could be availed as cashless benefit at Guna and on a reimbursement basis for treatments in all other cities in India other than Guna (10% deductible is applicable on each and every claim on Medex Benefit).

3. **Student Safety Insurance:** A sum of Rs.50,000/- per student is being provided as per the following scope:-

- 24 x 7 worldwide cover
- Accidents during excursion trips & while participating in sports are also covered
- Other accidents while at home during travel by road, rail & air are covered
- Capsizing of boats or drowning while attempting to swim
- Choking of foreign particles and food poisoning
- Electrocution
- Natural calamities
- Burn from fire

Special Induction Programme for wards of Armed forces / Paramilitary Forces / War Widow / Persons with Disability and Personnel killed in action

In order to pay humble tribute to Nations' Soldiers, JUET Guna has been offering following for the wards of Armed Forces / Paramilitary Forces / War Widows/Persons with Disability (PWD) / Personnel killed in action from the academic session 2019-20 to date:-

58 students were given admission in this category in academic sessions 2024-25.
Maximum 10 percentage of seats intake will be reserved for category admissions.
Concession of 30% in Tuition Fee & Development fund is being extended.

Training & Placement

More than 150+ in-campus recruitment companies have visited and around 21 off-campus recruitment opportunities provided for 2025 batch recruitment process by companies like BRIGHT MONEY TECH PVT LTD, SHIPSY, ZOPSMART, WATCHGUARD, GE VERMOVA, ZS ASSOCIATES, NREFERENCE. DARWIN BOX, ION GROUP, ATOMIC WORK, GONZO DIGITAL, ZOPSMART, RECRUIT CRM, AWESOME ENTERPRISES, DARWIN BOX, S&P GLOBAL, GENPACT, ARGUSOFT, SIEMENES HEALTHINEERS, LIVELONG, GREYB RESEARCH, MEDTEK.AI, TRAV CLAN, DELTAX, DACOID DIGITAL, MASAI

(NOLAN EDUTECH), PLANET SPARK, ZYCUS, VYTOMI PVT LTD, TEACHNOOK, MYCAPTAIN, INGENUITY GAMING, ACCENTURE etc.

- No of eligible students – 318
- No of students not interested for placement -22
- No of interested students for placement – 296
- Total No. offers 343 with placement percentage of - 116%
- Absolute offers No. -282 with percentage of absolute offers – 95%
- No. of students with more than one offers – 58.
- Avg. Pkg offered - Approx 6.19 Lakhs/PA
- Highest Pkg. Offered by Bright Money Technology Pvt. Ltd at CTC- 20 Lakhs/PA to 1 students.
- 2nd Highest Pkg. offered by Atomic Work at CTC – 19.50 Lakhs/PA to 1 student.
- 3rd Highest Pkg. offered by ION Group at CTC – 17.30 Lakhs/PA to 1 student.
- 1 Companies offered 1 Students with CTC 20 to 30 Lakhs/PA.
- 13 Companies offered 23 Students with CTC 10-19.99 Lakhs/PA.
- 35 Companies offered 145 students with CTC 6 – 9.99 Lakhs/PA.
- 35 Companies offered 174 students with CTC 6 Lakhs/PA and below.

No Guest Lectures and interaction of eminent corporate personalities are held.

Jaypee Youth Club (JYC)

JUET Youth club (student community) is helpful to create a dynamic and conducive environment in the campus by easing the pressure of hectic schedule of classes, tutorial and projects through various recreational events. The JYC has had a remarkable year filled with a plethora of activities that fostered creativity, cultural awareness, and intellectual engagement among students. The activities were categorized into various wings, namely Cultural, Art & Event, Literary, technical and Media. Here is a summary of the key events from 1 July 2024 to 30 June 2025.

JYC EVENTS (July 2024 to June 2025)

S no.	EVENT NAME	WING	DATE
1.	The Independence Day	Literary Wing	15-08-2024
2.	The National Space Day	ISF JUET	23-08-2024
3.	Aarambh'24	Cultural Wing	24-08-2024
4.	National Sports Day	Sports Wing	27-08-2024 to 29-08-2024
5.	Engineers Day	Literary Wing	15-09-2024
6.	NSS Day	JUET NSS	24-09-2024
7.	Gandhi Jayanti and Lal Bahadur Shastri Jayanti	Literary Wing	02-10-2024
8.	Marathon 2024	Sports Wing	03-10-2024
9.	Traditional Night	Art and Event	08-11-2024
10.	Youth Parliament	Literary Wing	08-11-2024
11.	Musical Night	Cultural Wing	09-11-2024
12.	Tachyon 2024: A Grand Technical Fiesta at Juet	Technical Wings	15-11-2024 to 17-11-2024
13.	Fit India Week	Sports Wing	17-11-2024 to 27-11-2024
14.	National Seminar	Technical	08-12-2024
15.	Republic Day	Literary Wing	26-01-2025

16.	Inter Year Cricket Tournament	Sports Wing	15-01-2025 to 26-01-2025
17.	Cine Sanskriti	Media Wing	30-01-2025
18.	Survivor- Outwit Outplay Outlast	Art and Event	26-02-2025
19.	DEQUINOX 2025	Cultural Wing	28-02-2025 to 02-03-2025
20.	TedX Juet	TedX Team Juet	03-05-2025
21.	Adios'25	Cultural Wing	18-05-2025

Facilities for students in Campus

1. Air Conditioned / Air Cooled Auditorium, Lecture theatres, Classrooms and Laboratories.
2. Air Conditioned and very well stocked Learning Resource Centre open upto 11.00 PM.
3. Air Cooled hostels with 3 bed configuration provided with all facilities and amenities like:-
 - (a) Clean toilets with geysers.
 - (b) Water Cooler fitted with purifiers
 - (c) Gymnasium in cluster of 3-4 hostels
 - (d) TV & TT halls in cluster of 3-4 hostels.
4. 1 GB 24 x 7 internet connectivity in hostels.
5. 24 x 7 water and electric supply with Independent Feeder and DG back up.
6. Water treatment plant.
7. Sewage treatment plant.
8. Highly automated and FSSAI approved air cooled student messes separately for boys and girls.
9. Four bedded Medical Centre with 1 Medical Officer, 5 paramedical staff including 1 female nurse, open 24 x 7.
10. Automated laundry facility with drying arrangements.
11. Sports Facilities:
 - A large multipurpose play field for football & cricket
 - Fixed in basket ball, volley ball and hand ball courts
 - Four badminton courts
 - Cricket nets with two cemented pitches.
 - Tennis court.
 - Swimming pool
 - Indoor & Air cooled multipurpose sports hall for basket ball, badminton, table tennis and any indoor games.
12. Shopping centers facilities such as tuck-shop, grocery shop, Stationary shop, Bakery shop, multipurpose shop and Barber shop.
13. Cafeteria and pantries which remain open for 18 hrs a day.
14. Banking service with two ATM's of OBC & Axis Bank.
15. E-mitra facility Kendras for PAN Card, Aadhaar Card modifications within the campus.

APPENDICES

DETAILS OF BUILT UP AREA OF UNIVERSITY**TOTAL AREA : 122.5 ACRES**

S.No.	Description	Area of building (SQ.M)
1.	Annapurna (Staff Mess).	625.37
2.	Field Hostel – 1	383.45
3.	Boy’s Hostel H1 to H3	5650.00
3a.	Boy’s Hostel H4 to H6	5650.00
3b.	Boy’s Hostel H7 to H9	6722.00
3c.	Boy’s Hostel H10 to H12	5650.00
3d.	Boy’s Hostel H14 to H16	5618.00
3e.	Boy’s Hostel H17 to H21	10400.00
2f.	Boy’s Hostel H22 (G+4) - For 470 Students.	8800.00
4.	Academic Block – I	5679.00
5.	Academic Block Extn	1586.15
6.	Academic Block – II & Lecture Theater	6593.00
7.	Academic Block – III	5700.00
8.	Accommodation Type ATS –I (A to H)	8758.00
9.	Accommodation Type ATS – II (A to H)	7284.00
10.	Field Hostel (Old Girl Hostel)	1500.00
11.	New Girl’s Hostel	14665.00
12.	Main Annapurna (Student Mess)	4397.61
13.	Laundry	305.00
14.	Bachelor Accommodation	1045.00
15.	School Complex	5192.00
16.	Multipurpose Hall	5000.00
17.	Mechanical Lab	1550.00
18.	Civil Lab	887.00
19.	Chemical Lab	845.00
20.	Sub-Station I & II	720.00
21.	Visitors lounge near W.T.P.	490.00
22.	Water treatment plant.	330.22
23.	STP	575.19
24.	UG Tank	803.00
25.	Cafeteria	2325.00
26.	New LT’s	2600.00
27.	Accommodation Type ATS –I: 32 Qtrs ATS –I (I to J)	4240.00
27.	Wind Engineering Application Centre.	6000.00
28.	Tennis Court	565.71
29.	Children Park	1020.00
30.	Lake Area	19040.00 (800 mtr periphery)
		138868.99
31.	STP New (2016-17)	1288.00
32.	Pagara Pump House (2017-18)	1768.00
33.	Religion Institute (Mandir) Complex	300.00
34.	Peripheral Boundary Wall	3743.00 *
	Total Area	1,41,924.99 sqm

* Not included in Total Area

Appendix-B

S.No	Laboratory	Area (sq.m)	Value in Lacs
	<u>Mechanical Engineering Lab</u>		
1	Thermo Dynamics Lab	244	03.64
2	I C Engine Lab		17.06
3	Refrigeration & A/c		05.07
4	Fluid Mechanic Lab	95	07.61
5	Design Lab (Strengthen of Material Lab)	244	06.60
6	Theory of Machine Lab		03.20
7	Dynamics & Machines Lab		03.87
8	Advance Manufacturing Lab (CIMS Lab)	335	84.36
9	Mechatronics Lab		10.22
10	CAD Lab		11.20
11	Additive Lab	379	214.74
12	Workshop(Machine Shop)		11.83
13	Sheet Metal shop		00.69
14	Foundry Shop		01.39
15	Welding Shop		01.14
16	Carpentry & Fitting Shop	108	01.10
17	Thermal Power Plant Simulator Lab		36.56
	<u>Civil Engineering Lab</u>		
18	Geotechnical Engineering Lab	156	06.00
19	Foundation Engineering Lab		06.79
20	Structural Engineering & Concrete Lab	290	43.75
21	Environmental Engineering Lab (Common with Chemical Engineering)	240	21.32
22	Highway Engineering Lab	100	08.27
23	Surveying Lab	25	08.33
24	Engineering Graphics Lab	305	00.87
25	Fluid Mechanics Lab (Common with Chemical & Mechanical Engineering)	302	05.00
26	Civil Engineering Software Lab	105	05.00
27	Carpentry Section	118	05.00
	<u>Computer Science Engineering Lab</u>		
28	CL - 1- Advance Programming Lab	101	09.05
29	CL – 2 - Multimedia & Unix Lab	104	12.20
30	CL – 3 – Programming Lab	188	21.91
31	CL – 4 – Project Lab	164	28.82
32	CL – 5 – Database & Network Lab	188	25.15
	<u>Chemical Engineering Lab</u>		
33	Process Simulation Lab	105	44.25
34	Instrumentation Process Control Lab	240	20.58
35	Chemistry Lab	240	13.66
36	Environmental Engineering Lab (common with Civil Engineering)	240	00.00
37	Chemical Reaction Engineering Lab	100	02.83
38	Mass Transfer Operations Lab I & II (Common with Mechanical Engineering)	290	13.57
39	Heat Transfer Operations Lab I & II (Common with Mechanical Engineering)	170	07.49
40	Solid Fluid Mechanical Operations Lab	240	04.59
41	Fluid Mechanics Lab (common with Civil Engineering)	120	5.00
42	Cement Testing Lab (CRDC), Boiler & Compressor House	100	45.43
43	Research Lab	90	10.00
	<u>Electronics & Communication Engineering Lab</u>		
44	Basic Electronics & Electrical Lab	105	06.89
45	DSP Lab	115	33.55
46	VLSI Lab	116	32.03
47	Digital & Micro Processor Lab	100	10.08
48	Communication Lab - 1 & 2	162	34.98
49	Analog Electronics Lab	100	12.77
50	Power Electronics Lab	116	06.47
	<u>Physics Lab</u>		
51	Physics Lab I	125	09.98
52	Physics Lab II	125	01.04
	<u>Humanities & Social Sciences (Language Lab)</u>		
53	Language Lab	115	21.00
	TOTAL	6835.29 sq.m	999 Lacs

JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY, GUNA

Name of Faculty & Staff Members who left JUET during (A.Y. 2024-25)

S. No	EMPLOYEE CODE	EMPLOYEE NAME	DESIGNATION	DEPARTMENT	DATE OF JOINING	GENDE R	RELIEVIN G DATE	REMARKS
FACULTY								
A.Y.2024-25								
1	1260G	SHRI PRATEEK KUMAR SONI	ASSISTANT PROFESSOR (CONT.)	COMPUTER SCIENCE & ENGINEERING	1/10/2024	M	7/10/2024	Resigned
2	1259G	SHRI MANIK GANDOTRA	ASSISTANT PROFESSOR (CONT.)	COMPUTER SCIENCE & ENGINEERING	1/1/2024	M	10/08/2024	Resigned
3	1267G	DR.SUNAKSHI SINGH	ASSISTANT PROFESSOR (SG)	COMPUTER SCIENCE & ENGINEERING	9/12/2024	F	11/19/2024	Resigned
4	1152G	DR. PATEL NILESH KUMAR RAJNIKANT	ASSISTANT PROFESSOR (SG)	COMPUTER SCIENCE & ENGINEERING	7/19/2010	M	16-12-2024 (FN)	Resigned
5	1171G	DR. NEELESH KUMAR JAIN	ASSISTANT PROFESSOR (SG)	COMPUTER SCIENCE & ENGINEERING	7/6/2011	M	2/3/2025	Resigned
STAFF								
A.Y.2024-25								
1	10191G	SHRI AMIN CHAND SHARMA	ADMN.COORDINATOR	GENERAL ADMINISTRATION/HOSTELS	7/4/2023	M	7/3/2024	Tenure completed
2	10193G	SHRI SARITA NAND KHANTWAL	ADMN. COORDINATOR	GENERAL ADMINISTRATION/ANNAPURNA	9/21/2023	M	9/20/2024	Tenure completed
3	10194G	SHRI NARAYAN SINGH	ADMN. COORDINATOR	GENERAL ADMINISTRATION/CAFETERIA	9/21/2023	M	9/20/2024	Tenure completed
4	10195G	SHRI .BALKAR SINGH	ADMN. COORDINATOR	GENERAL ADMINISTRATION/HOSTELS	9/21/2023	M	9/20/2024	Tenure completed
5	10196G	SHRI HIRA SINGH JAYALA	ADMN. COORDINATOR	GENERAL ADMINISTRATION/ANNAPURNA (GIRLS)	9/22/2023	M	9/21/2024	Tenure completed
6	10030G	SHRI B.P. NAUTIYAL	SR. SUPERVISOR	GENERAL ADMINISTRATION/CAFETERIA	5/1/2008	M	12/31/2024	Superannuation
7	10120G	SHRI .RAJENDRA KUMAR MEENA	JR. COORDINATOR	REGISTRAR OFFICE	8/16/2012	M	1/9/2025	Resigned
8	10032G	SHRI VIPIN CHANDRA PANDEY	CFC	FINANCE & ACCOUNTS	5/1/2008	M	1/31/2025	Superannuation
9	10199G	SHRI P. SUDHAKARAN	PA-1	VC SECRETARIATE	3/1/2024	M	2/28/2025	Tenure completed
10	10167G	SHRI RAM VILOCHAN TIWARI	SR PLUMBER	MAINTENANCE (CIVIL)	4/1/2022	M	6/30/2025	Superannuation
11	10190G	SHRI RAJENDRA KUMAR SINGH	DGM	MAINTENANCE (CIVIL) & WEAC	7/1/2023	M	6/30/2025	Tenure completed
Name of Faculty & Staff Members who joined in JUET during (A.Y.2024-25)								
FACULTY								
A.Y.2024-25								
S. No	EMPLOYEE CODE	EMPLOYEE NAME	DESIGNATION	DEPARTMENT	DATE OF JOINING	GENDE R		
1	1262G	SHRI VIKAS RAGHUWANSHI	ASSISTANT PROFESSOR	CSE	8/13/2024	M	-	Contractual
2	1263G	DR VAIBHAV BISHT	ASSISTANT PROFESSOR	MATHS	8/13/2024	M	-	Contractual
3	1264G	DR. MANISH KUMAR VISHWAKARMA	ASSISTANT PROFESSOR	PHY	8/16/2024	M	-	Contractual
4	1265G	DR. DEEPAK KUMAR RAI	ASSISTANT PROFESSOR (G-II)	PHY	8/31/2024	M	-	
5	1266G	SHRI ARUN ARYA	ASSISTANT PROFESSOR (G-II)	CHE	9/2/2024	M	-	
6	1267G	DR SUNAKSHI SINGH	ASSISTANT PROFESSOR (SG)	CSE	9/12/2024	F	-	
7	1268G	DR. JITENDRA KUMAR SAHU	ASSISTANT PROFESSOR	CHY	11/14/2024	M	-	Contractual
8	1269G	SHRI ABHISHEK SINGH	ASSISTANT PROFESSOR (G-I)	MEC	11/2/2024	M	-	
9	1270G	SHRI MAHAKANT SHARMA	ASSISTANT PROFESSOR (G-II)	CSE	3/1/2025	M	-	
10	1271G	DR JITENDRA PARMAR	ASSISTANT PROFESSOR (SG)	CSE	5/1/2025	M	-	
11	1272G	SHRI PAVAN MISHRA	ASSISTANT PROFESSOR (G-II)	CSE	5/3/2025	M	-	
STAFF								
A.Y.2024-25								
1	10201G	SHRI .NARAYAN SINGH	ADMN. COORDINATOR	GENERAL ADMINISTRATION/CAFETERIA	9/23/2024	M	-	Contractual

JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY, GUNA

LIST OF FACULTY MEMBERS

S. No.	E.C.	NAME OF EMPLOYEE	DOB	DESIGNATION	DOJ	QUALIFICATION	REMARKS
	EXECUTIVES		-				
1	10210G	D.S. AHUJA	18-03-1960	CEO	02.06.2025	B.Tech- 1980, PG Diploma (Project Management)	
2	1257G	PROF. D.K. RAI	15-07-1965	VICE CHANCELLOR	01-08-2023	B.Sc 1985, M.Sc.-1988,Ph.D.-1994	
3	1168G	PROF. VIPIN KUMAR TYAGI	23-05-1970	PROFESSOR & DEAN (A&R) & HOD (MATHS)	01- 07-2011	B.Sc.-1987, M.Sc.-1989, M.TECH.-1999, Ph.D.-1999	
4	1256G	PROF SANJAY GARG	13-08-1970	PROFESSOR/ DEAN (I&R) & HOD (CSE)	09-03-2023	B.E-1991, M.E-2001, Ph.D -2009	
	DEPARTMENT - ECE		-				
4	1020G	PROF. NARENDRA SINGH (HOD)	15-07-1977	PROFESSOR	13- 08-2004	B.TECH.-2001, M.TECH.-2004, Ph.D.-2012	
5	1036G	DR. RAVI KUMAR	06-09-1979	ASSOCIATE PROFESSOR	20-08-2005	B.E.-2001, M.TECH. -2004, Ph.D.-2013	
6	1088G	DR. RAJESH KUMAR VISHWAKARMA	03-07-1976	ASSOCIATE PROFESSOR	08-08-2007	B.Sc.-1997, M.Sc.-1999, Ph.D.-2013	
7	1213G	DR. JITENDRA KANUNGO	07-03-1978	ASSOCIATE PROFESSOR	01-07-2013	B.Sc.-1998, M.Sc.-2001, M.TECH.-2003, Ph.D.- 2013	
8	1080G	DR. MANISH KUMAR PATIDAR	02-07-1980	ASSISTANT PROFESSOR (SG)	15-01-2007	B.E.-2002, M.E.-2005 , Ph.D.2015	
9	1119G	DR. SHEFALI SHARMA	23-07-1977	ASSISTANT PROFESSOR (SG)	01-07-2009	B.E.-2000, M.E.-2002, Ph.D 2016	
10	1081G	DR. SUBODH KUMAR SINGHAL	01-07-1981	ASSISTANT PROFESSOR (SG)	08-03-2007	B.E.-2004, M.TECH. -2006, Ph.D.2017	
11	1083G	DR. DEEPAK SHARMA	14-06-1981	ASSISTANT PROFESSOR (SG)	23-07-2007	B.E.-2003, M.TECH.-2006 , Ph.D.2017	
12	1165G	DR. RANU GUPTA	02-02-1975	ASSISTANT PROFESSOR (SG)	01-02-2011	B.E.-1996, M.E.-2010, Ph.D.2019	
13	1214G	DR. JITENDRA RAGHUWANSHI	06-05-1982	ASSISTANT PROFESSOR (SG)	01-07-2013	B.E.-2004, M.TECH.-2008, Ph.D 2021	
14	1177G	DR. RISHIKA CHAUHAN	10-03-1988	ASSISTANT PROFESSOR(G-II)	08-07-2011	B.TECH.-2009, M.TECH.-2011, Ph.D 2025	
	DEPARTMENT - CSE		-				
15	1101G	PROF. MAHESH KUMAR	21-10-1975	PROFESSOR	04-07-2008	B.Sc.-1994, M.Sc.,-1996 M.TECH.-2004, Ph.D.-2013	
16	1107G	DR. PRATEEK PANDEY	21-01-1983	ASSOCIATE PROFESSOR/ ASSOCIATE DEAN (A&R)	15-07-2008	B.E.-2004, M.TECH.-2006, Ph.D. 2015	
17	1079G	DR. RAHUL PACHAURI	10-04-1975	ASSOCIATE PROFESSOR	15-01-2007	B.E.-1997, M.TECH.-2006, Ph.D. 2015	
18	1065G	DR. AMIT KUMAR	02-03-1979	ASSISTANT PROFESSOR (SG)	08-07-2006	B.Sc.-1998, M.Sc.-2000, M.TECH.-2002, Ph.D.-2015	
19	1082G	DR. DINESH KUMAR VERMA	10-04-1981	ASSISTANT PROFESSOR (SG)	08-03-2007	B.E.-2004, M.TECH.-2006, Ph.D. 2016	
20	1051G	DR. AJAY KUMAR	14-04-1978	ASSISTANT PROFESSOR (SG)	16-01-2006	B.TECH.-2002, M.E.-2005, Ph.D.2017	
21	1190G	DR. AMIT KUMAR SRIVASTAVA	07-06-1984	ASSISTANT PROFESSOR (SG)	02-07-2012	B.TECH.-2006, M.TECH.-2012, Ph.D-2019	
22	1071G	DR. PARTHA SARATHY BANERJEE	10-02-1981	ASSISTANT PROFESSOR (SG)	04-09-2006	B.E.-2003, M.TECH. -2006, Ph.D 2020	
23	1215G	DR. KUNJ BIHARI MEENA	05-07-1988	ASSISTANT PROFESSOR (SG)	02-07-2013	B.E.-2011, M.TECH.-2013, Ph.D 2021	
24	1103G	DR. GAURAV SAXENA	03-11-1980	ASSISTANT PROFESSOR (SG)	10-07-2008	B.E.-2003, M.TECH.-2007, Ph.D.-2022	
25	1245G	MR NAVALJEET SINGH ARORA	18-04-1991	ASSISTANT PROFESSOR (G-II)	07-07-2018	B.E. 2014, M.TECH. 2018, Ph.D (P)	
26	1262G	MR. VIKAS RAGHUWANSHI	12-08-1992	ASSISTANT PROFESSOR	13-08-2024	B.E-2015. M.Tech- 2018	Contractual
27	1270G	MR. MAHAKANT SHARMA	27-04-1996	ASSISTANT PROFESSOR (G-II)	01-03-2025	B.E-2019, M.TECH- 2022	
28	1271G	DR. JITENDRA PARMAR	12-03-1988	ASSISTANT PROFESSOR (SG)	01-05-2025	B.E-2010, M.TECH- 2014, Ph.D-2024	
29	1272G	MR PAVAN MISHRA	05-07-1989	ASSISTANT PROFESSOR (G-II)	03-05-2025	B.E-2012, M.Tech- 2016	
	DEPARTMENT - CHE		-				
30	1039G	DR. KAUSHAL NARESH GUPTA (HOD)	23-12-1974	ASSOCIATE PROFESSOR	25-08-2005	B.TECH.-1998, M.TECH.-2003, Ph.D.-2012	
31	1102G	DR. RAHUL SHRIVASTAVA	25-01-1977	ASSISTANT PROFESSOR (SG)	07-07-2008	B.E.-2000, M.E.-2002, Ph.D.2018	
32	1266G	MR ARUN ARYA	16-01-1992	ASSISTANT PROFESSOR (G-II)	02-09-2024	B.TECH-2015, M.TECH-2018	
	DEPARTMENT - CHY		-				
33	1062G	PROF. RASHMI TYAGI	14-02-1970	PROFESSOR	06-07-2006	B.Sc.-1988, M.Sc.-1990, Ph.D.-1995, M.TECH.-2000, Ph.D.-2005	
34	1268G	DR. JITENDRA KUMAR SAHU	13-06-1995	ASSISTANT PROFESSOR	14-11-2024	B.SC-2015, M.SC-2017, Ph.D-2024	Contractual
	DEPARTMENT - CE		-				
35	1060G	PROF. SUMIT GANDHI (HOD)	09-10-1977	PROFESSOR	03-07-2006	B.E.-2001, M.TECH-2004, Ph.D.-2009	
36	1054G	DR.SAMAIYA NITIN KUMAR	03-03-1977	ASSOCIATE PROFESSOR	01-06-2006	B.E.-1999, M.TECH.-2002, Ph.D.-2009	
37	1055G	DR. V S BABU	10-07-1973	ASSISTANT PROFESSOR (SG)	29-06-2006	Dip.(CE)-1994, B.TECH.-2000, M.TECH.-2004, Ph.D. June 2015	
38	1240G	DR. DHARMENDRA KR	06-08-1977	ASSISTANT PROFESSOR (SG)	23-07-2016	B.E.-1999, M.TECH.-2004, Ph.D. 2016	

		SHUKLA					
39	1236G	DR. YOGESH IYER MURTHY	01-03-1980	ASSISTANT PROFESSOR (SG)	03 -08- 2015	BE 2002, ME 2010, Ph.D 2021	
40	1230G	DR. ABHISHEK VERMA	21-08-1987	ASSISTANT PROFESSOR (SG)	05- 01-20 15	B.E.2009, M.TECH2013 Ph.D 2022	
41	1105G	MR. RAVINDRA KUMAR GOLIYA	30-03-1983	ASSISTANT PROFESSOR (G-II)	14-07-2008	B.E.-2005, M.TECH.-2007, Ph.D.(P)	
42	1235 G	DR. SHRINARAYAN YADAV	01-02-1988	ASSISTANT PROFESSOR (G-II)	31- 07- 2015	B.TECH 2011, M.TECH 2013 Ph.D 2024	
	DEPARTMENT - MEC		-				
43	1250G	PROF. GHANSHYAM SINGH	09-06-1967	PROFESSOR	01.01.2020	B.E.1990, M.S.-1997, Ph.D-2004	
44	1218G	DR. BHAGAT SINGH (HOD)	11-10-1976	ASSOCIATE PROFESSOR	04-07-2013	B.TECH.-1999, M.TECH.-2002, Ph.D.-2012	
45	1131G	DR. YASHWANT KUMAR MODI	01-01-1976	ASSOCIATE PROFESSOR	01-09-2009	B.E.-1998, M.E.-2008, Ph.D. 2014	
46	1193G	DR. DHANANJAY R. MISHRA	30-06-1980	ASSOCIATE PROFESSOR	04--07-2012	B.E-2002, M.E.-2007, Ph.D. 2016	
47	1219G	DR. AMIT SHARMA	02-04-1981	ASSOCIATE PROFESSOR	04- 07-2013	B.E.-2003, M.TECH.-2007, Ph.D.-2012	
48	1189G	DR. SUBAS CHANDRA DASH	03-08-1979	ASSISTANT PROFESSOR (SG)	02-01-2012	B.TECH.-2003, M.TECH. -2006, Ph.D.-2015	
49	1175G	DR. PANKAJ DUMKA	04-04-1986	ASSISTANT PROFESSOR(SG)	08-07-2011	B.TECH.-2007, M.TECH.-2010 Ph.D. 2021	
50	1221G	DR. KEDARI LAL DHAKER	08-07-1984	ASSISTANT PROFESSOR(SG)	09-07-2013	B.E.-2006, M.E.-2008, Ph.D 2020	
51	1231G	DR. PANKAJ GUPTA	01-07-1988	ASSISTANT PROFESSOR (SG)	16 -01 -2015	B.E.2010, M.TECH 2013 Ph.D 2021	
52	1232G	DR. ROHIT MISHRA	02-02-1988	ASSISTANT PROFESSOR (SG)	16 -01 -2015	B.TECH.2010, M.TECH 2012, Ph.D 2022	
53	1233G	DR. MANOJ DUBEY	19-01-1962	ASSISTANT PROFESSOR (SG)	01 -04-20 15	DIP 1981, AMIE 1985, ME 1988 , Ph.D 2022	
54	1183G	DR. AMIYA KUMAR SAHOO	02-06-1983	ASSISTANT PROFESSOR(G-II)	01-09.2011	B.E.-2006, M.TECH.-2010, Ph.D 2025	
55	1253G	MD. TASNIM ARIF	14-08-1986	ASSISTANT PROFESSOR (G-II)	01-09-2020	B.TECH-2008, M.TECH- 2010 , Ph.D (P)	
56	1269G	MR. ABHISHEK SINGH	14-07-1986	ASSISTANT PROFESSOR (G-I)	02-11-2024	B.Tech-2008, M.Tech- 2011, M.BA-2015	
	DEPARTMENT - MATHEMATICS		-				
57	1057G	DR. DILIP KUMAR SHARMA	06-07-1975	ASSOCIATE PROFESSOR	01-07--2006	B.Sc.-1996, M.Sc.-1998, M.TECH.-2002, Ph.D.-2009	
58	1142G	DR. BALI RAM GUPTA	11-04-1981	ASSISTANT PROFESSOR (SG)	30-06-2010	B.Sc.-2002, M.Sc.-2004, Ph.D.-2010	
59	1225G	DR. DIVYA JAIN	11-08-1979	ASSISTANT PROFESSOR (SG)	13--01-2014	B.Sc.-2000, M.Sc.-2002, M.Phil.-2004, Ph.D.-2012	
60	1263G	DR. VAIBHAV BISHT	12-09-1998	ASSISTANT PROFESSOR	13-08-2024	B.Sc-2018. M.Sc- 2020, Ph.D-2024	Contractual
	DEPARTMENT - PHYSICS		-				
61	1077G	DR. RAJNEESH ATRE (HOD)	29-05-1976	ASSISTANT PROFESSOR (SG)	02-01-2007	B.Sc.-1997, M.Sc.-1999, Ph.D.-2008	
62	1182G	DR. SANTOSH M BOBADE	28-03-1973	ASSISTANT PROFESSOR (SG)	09-08-2011	B.Sc-1996, M.Sc.-1998, Ph.D.-2007	
63	1251G	DR MUKESH CHANDRA	01-06-1976	ASSISTANT PROFESSOR(SG)	01-09-2020	B.Sc-1995, M.Sc-1998, M.TECH-2002, Ph.D-2007	
64	1261G	DR.PRADEEP KUMAR	08-10-1991	ASSISTANT PROFESSOR (G-I)	12-02-2024	B.Sc.-2011, M.Sc.- 2013, Ph.D- 2024	
65	1264G	DR. MANISH KUMAR VISHWAKARMA	02-01-1993	ASSISTANT PROFESSOR	16-08-2024	B.Sc-2013, M.Sc-2015, Ph.D-2024	Contractual
66	1265G	DR. DEEPAK KUMAR RAI	15-08-1986	ASSISTANT PROFESSOR (G-II)	31-08-2024	B.SC-2007, M.SC-2013, Ph.D-2019	
	DEPARTMENT - HSS		-				
67	1116G	DR. SANDEEP SRIVASTAVA (HOD)	02-07-1976	ASSOCIATE PROFESSOR	13-03-2009	B.Sc.-1997, MBA-2001, Ph.D.-2010	
68	1086G	DR. VIKRAM SINGH CHOUHAN	13-04-1981	ASSISTANT PROFESSOR (SG)	01-08-2007	B.E.-2002 , PGDBM-2005, Ph.D.-2015	
69	1117G	DR SANDEEP ARYA	07-11-1982	ASSISTANT PROFESSOR (SG)	26-06-2009	B.TECH.+MBA(Dual Degree) 2006, Ph.D.2015	
70	1130G	DR. ABHISHEK SHUKLA	22-03-1982	ASSISTANT PROFESSOR (SG)	26-08-2009	B.E.-2004, MBA-2008, Ph.D.2017	
71	1210G	DR. KAMINI BHASIN	03-03-1983	ASSISTANT PROFESSOR (SG)	12-03-2013	B.A.-2003, M.A.-2005, M.PHIL.-2009, M.BA-2014, Ph.D 2015	
72	1149G	MR. NEERAJ JAIN	29-10-1976	ASSISTANT PROFESSOR (G-II)	10-07-2010	BBA-1998, MAPMIR-2001	
73	1156G	DR. SHEKHAR SINGH	25-09-1983	ASSISTANT PROFESSOR (G-II)	02-08-2010	B.TECH-2004, MBA-2006, Ph.D.2019	
74	1254G	DR. TAMANNA AGARWAL	20-05-1988	ASSISTANT PROFESSOR(G-II)	07-10-2021	B.E -2009, MBA-2011,Ph.D 2024	

JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY, GUNA							
LIST OF NON TEACHING STAFF MEMBERS							
S.No.	E.C.	NAME OF EMPLOYEE (S/Shri)	DOB	DESIGNATION	GRADE	DOJ	QUALIFICATION
1	10198G	DR. SANJAY MISHRA	15-06-1973	REGISTRAR	NT-1	15.01.2024	AMIE (BE) Electrical- 1995, MMS (Marketing Management) -1999, UGC Net -2013, Ph.D- 2015
2	10001G	KAMENDRA PRASAD MISHRA	21-02-1969	SR. OFFICER (ADMN/STORES/PURCHASE & LIASIONING)	NT-2	04-08-2003	B.Sc.-1989, M.A.-1993, B.Ed.-1995, B.LISc.-2002, B.J & M. Comm -2004, M.LISc.-2006
3	10002G	.VIVEK TIWARI	25-06-1975	DY. LIBRARIAN	NT-2	03-10-2003	B.A.-1998, B.LISc.-1999, M.LISc.-2000, CIC-2002, PGDCA- 2003, M.Phil-2008
4	10123G	DIGVIJAY SINGH CHAUHAN	06-09-1982	SR. OFFICER (TRAINING & PLACEMENT)	NT-2	06-03-2013	B.E.-2005, MBA--2008
5	10200G	.NIRAJ KUMAR GAUR	18-09-1967	DGM (HR)	NT-3	01-04-2024	PGDinP&IR(2000),LL.B.(1991), PGDCA (ISS-1990) & (IGNOU-2006), National Certificate in Supervision(1998), B.Sc(1986).Higher Secondary Exam(1982)
6	10006G	VIPIN SATI	05-09-1977	ASST. LIBRARIAN	NT-3	01-11-2006	B.Com.-1999, B.LISc.-2000, M.LISc.-2001, PG Diploma in Library Automation & Networking - 2007, M.Phil-2009, NET 2012
7	10018G	.G. GUGADASS	09-08-1977	SR. LAB ENGINEER	NT-3	06-08-2004	Intermediate-1995, Dip.(C.Tech.)-1998
8	10008G	SHISHIR THAKUR	01-10-1972	LAB ENGINEER	NT-4	26-07-2003	B.Sc.-1995, DCA-2002, DOEAC-'O' Level-2005, DOEAC-'A' Level-2008, NIELIT- B Level (MCA) -2017
9	10034G	SHASHIBHAN SINGH	09-02-1975	PA-II TO REGISTRAR	NT-4	26-07-2006	PGDHRD-2009., B.A.-2007, DCA-1996, Dip in English Shorthand-1995, Dip in Hindi & English Typing-1993.
10	10174G	PIYUSH AGARWAL	19-02-1980	ENGINEER (ELECT)	NT-4	01-04-2022	Intermediate-1997, B.E (Elect.)-2003
11	10192G	DHARMENDRA KUMAR	30-12-1984	ASSISTANT FINANCE OFFICER	NT-4	05-08-2023	B.COM (H)-2006, CA INTER- 2010, CMA/ICWA-2016
12	10007G	SWAPNIL VERMA	22-09-1983	ADMN. COORDINATOR	NT-5	01-05-2007	BPE-2005, MPE-2007
13	10014G	ATUL KUMAR SINGH	21-09-1981	ADMN. COORDINATOR	NT-5	26-01-2004	B.A.-2001
14	10027G	DEV PRAKASH SINGH	30-04-1972	ADMN. COORDINATOR	NT-5	05-09-2005	B.Sc.-1995, MBA (HR)-2010
15	10029G	HRISHIKESH PANDEY	03-02-1968	ADMN. COORDINATOR	NT-5	12-01-2006	B.A.-1990, M.A.-1993
16	10035G	VIKAS SHUKLA	07-06-1982	ADMN. COORDINATOR	NT5	17-08-2006	B.Com.-2002, M.Com.-2004, PGDHRD-2009
17	10037G	TARUN KUMAR BHARDWAJ	29-06-1984	SR LAB TECHNICIAN	NT5	16-10-2006	B.Sc.-2005, M.Sc.-2008, PGDCA-2003, B.Tech.-2011, M.Tech -2014, Ph.D-2022
18	10038G	RATNESH KUMAR TIWARI	30-06-1980	SR. LAB TECHNICIAN	NT-5	16-10-2006	B.Com.-2001, M.Com.-2007, PGDCA-2002, MCSE-2005
19	10077G	PRAKASH KUMAR SAINI	04-12-1981	SR LAB TECHNICIAN	NT-5	14-02-2009	Intermediate-1999, Dip.(MEC)-2004
20	10092G	MOHAN AGARWAL	30-06-1975	SR. LAB TECHNICIAN	NT-5	08-11-2010	B.Sc.-1995
21	10098G	.TARUN SAMANTA	22-11-1975	SR.LAB TECHNICIAN	NT-5	25-11-2010	Intermediate-1993, ITI-1997, Dip.(MEC)-2009
22	10197G	DR. AMIT KUMAR	08-07-1979	COORDINATOR (PSYCHOLOGICAL COUNSELLOR)	NT-5	03-10-2023	B.A-2001, M.A- 2004, M.A (Psychology)-2009, M.Phil (Psychology)-2011, Ph.D-2007
23	10009G	MANOJ KUMAR TIWARI	01-10-1981	SR. LAB TECHNICIAN	NT-5	26-07-2003	ITI-1999, B.Sc.-2009, M.Sc-2012
24	10015G	HANSMUKH KUMHAR	08-08-1976	SR. LAB TECHNICIAN	NT-5	07-02-2004	Intermediate-1996, ITI-1998
25	10005G	MANISH KUMAR TRIPATHI	15-08-1980	PROFESSIONAL ASSISTANT	NT-5	27-10-2006	B.A.-2003, B.LISc.-2004, M.Lib 2008
26	10080G	RAGHVENDRA SINGH CHAUHAN	05-09-1967	SR. LAB TECHNICIAN	NT-5	01-05-2009	B.Sc.-1987, DCA- 1989
27	10206G	ASHOK KUMAR AGRAWAL	12-04-1967	ADMIN COORDINATOR	NT-5	01-02-2025	Below High School- 1986
28	10207G	RAJESH KUMAR SHARMA	03-05-1978	ADMIN COORDINATOR	NT-5	01-02-2025	B.A -1998, M.BA-2011
29	10075G	RAVI JHA	10-06-1981	ADMN. COORDINATOR	NT-5	01-01-2009	B.Com.-2002, DCA-2007, PGDMM-2010
30	10074G	KAMLESH SAHU	17-05-1979	ADMN. COORDINATOR	NT-5	01-01-2009	B.A.-2001, M.A.-2003, PGDCA-2004, Typing (Hindi) -2005
31	10124G	P. SESHAGIRI	09-05-1977	PA -I	NT-5	10-07-2013	B.A.-2011
32	10071G	PRABIR THAKUR	15-02-1977	ADMN. COORDINATOR	NT-5	01-01-2009	B.A.-1998, PGDRD-2007, Certificate Course (Compu.)-2007
33	10039G	IKRAM HUSSAIN	25-01-1971	JUNIOR COORDINATOR	NT-6	07-03-2007	B.A.-1996, M.A.-2000
34	10042G	DILIP KUMAR MISHRA	06-07-1983	SR. SUPERVISOR	NT-6	09-04-2007	B.A.-2004, LLB-2007
35	10047G	SAMPAT LAL SAHU	12-06-1967	SR. SUPERVISOR	NT-6	01-04-2003	Higher Secondary-1992

36	10048G	HARI PRASAD GUPTA	05-03-1979	SR. SUPERVISOR	NT-6	15-03-2006	B.A.-2001
37	10049G	NITIN VATSA	24-11-1983	JUNIOR COORDINATOR	NT-6	01-08-2007	B.Sc.-2002, MBA-2019
38	10051G	RAVENDRA SINGH	08-05-1972	JR.COORDINATOR	NT-6	24-11-2007	B.Com.-1994, M.Com.-1996, LLB-2000
39	10052G	BIPIN JHA	17-01-1981	JUNIOR COORDINATOR	NT-6	20-02-2008	B.Sc.-2002, DMLT-2004
40	10054G	SH.PARMANAND SONI	01-01-1976	LAB TECHNICIAN	NT-6	15-07-2008	B.Sc.-1998, PGDCA-1999, ITI-2000
41	10073G	SH.NAVNEET RAM JATAV	04-06-1971	LAB TECHNICIAN	NT-6	01-01-2009	B.Sc.-1994
42	10078G	SH.RISHI KUMAR TIWARI	04-06-1972	SR. SUPERVISOR	NT-6	02-03-2009	Intermediate-1990, ITI-1993
43	10087G	SMT.AASTHA SHARMA	13-02-1982	JUNIOR COORDINATOR	NT-6	01-07-2010	B.Com.-2002, M.Com.-2004
44	10093G	SH.MANOJ SRIVASTAVA	09-09-1976	LAB TECHNICIAN	NT-6	10-11-2010	B.Com.-1998, ITI-2000, DCA-2001
45	10094G	SH.SANTOSH KHERNAR	11-05-1979	LAB TECHNICIAN	NT-6	11-11-2010	Intermediate-2000, ITI-2001
46	10095G	SH.BHANU PRATAP ARYA	19-08-1984	LAB TECHNICIAN	NT-6	15-11-2010	High School-2000, ITI-2004
47	10096G	SH.RAJU KUMAR ARYA	01-11-1978	LAB TECHNICIAN	NT-6	15-11-2010	Intermediate-1997, Dip.(MEC)-2003
48	10104G	SH.SANJAY KUMAR JAIN	04-04-1986	JUNIOR COORDINATOR	NT-6	01-02-2011	B.Com.-2007, M.Com.-2009
49	10111G	SH.DHARMENDRA SHARMA	13-07-1988	LAB TECHNICIAN	NT-6	01-06-2012	BCA-2008
50	10127G	SH.SANJAY SINGH	17-04-1993	LAB TECHNICIAN	NT-6	02-09-2013	Intermediate-2010, Dip.(ECE)-2013
51	10128G	SH.SHESH PRATAP SINGH	10-11-1991	LAB TECHNICIAN	NT-6	02-09-2013	High School-2008, Dip.(CSE)
52	10130G	SH.SANJEEV KUMAR MEHAR	25-10-1985	LAB TECHNICIAN	NT-6	01-08-2013	Intermediate-2005, Dip.(CE)-2011
53	10133G	SH.SATYAPAL SINGH	04-08-1982	JR. PROFESSIONAL ASSISTANT	NT-6	01-08-2013	B.Com.-2002, M.Com.-2004, B.Lis.-2008, M.Lis.-2011
54	10144G	SH.HARISHANKAR SHUKLA	25-02-1987	JR. COORDINATOR	NT-6	09-07-2018	B.Com- 2007,CA(cpt)- 2010
55	10170G	SH.RAJESH KUMAR SINGH	25-04-1970	JR. COORDINATOR	NT-6	01-04-2022	M.Com -1991, P.G. in Computer Diploma, Certificate of Hindi Typeing
56	10171G	SH.SUDHANSHU SINGH BAGHEL	30-01-1970	JR. COORDINATOR	NT6	01-04-2022	B.Com -1993
57	10172G	SH.PRADEEP KUMAR AGRAWAL	15-08-1977	JR. COORDINATOR	NT-6	01-04-2022	B.Com -1998, Computer Diploma
58	10010G	SH.PAWAN SINGH	05-03-1977	SR. ASSISTANT	NT-6	02-08-2003	B.Sc.-2009
59	10050G	SH.KESHAV RAM TRIPATHI	15-12-1975	SR. ASSISTANT	NT-6	15-11-2007	B.Sc.-1997, M.A.-1999
60	10043G	SH.ARVIND KUMAR TIWARI	01-07-1979	SR. SUPERVISOR	NT-6	09-04-2007	B.A.-2001, HDCPA-2001
61	10012G	SH.YOGESH GIRI	15-01-1978	JUNIOR ASSISTANT	NT-7	21-09-2003	Middle-1999
62	10023G	SH.ROHINI PRASAD DWIVEDI	10-06-1976	OFFICE BOY	NT-7	30-03-2005	High School-2000
63	10033G	SH.CHAMAN SINGH	08-09-1976	JUNIOR ASSISTANT	NT-7	17-07-2006	Primary-1987
64	10036G	SH.HIMMAT SINGH	12-08-1981	JUNIOR ASSISTANT	NT-7	15-10-2006	Middle-1998
65	10044G	SH.ARUN KUMAR TRIPATHI	02-07-1971	OFFICE BOY	NT-7	01-05-2008	Intermediate-1989
66	10045G	SH.RAM GOPAL NAMDEO	02-04-1978	JUNIOR ASSISTANT	NT-7	01-05-2008	High School-1992
67	10046G	SH.MARKANDEY TIWARI	16-03-1968	JUNIOR ASSISTANT	NT-7	21-06-2008	Primary
68	10055G	SH.FAGULAL SATNAMI	05-07-1981	ASSISTANT	NT-7	01-07-2008	High School-1999, ITI-2003
69	10056G	SH.PREM LAL KUSHWAHA	01-07-1979	OFFICE BOY	NT-7	01-08-2008	Middle-1992
70	10057G	SH.PRABHAT SINGH PARIHAR	12-08-1967	SUPERVISOR	NT-7	01-09-2008	Higher Secondary-1984
71	10059G	SH.KISHAN CHAND THAKUR	01-01-1979	JUNIOR ASSISTANT	NT-7	01-09-2008	High School-2002
72	10060G	SH.KHADAK BAHADUR	03-08-1984	JUNIOR ASSISTANT	NT-7	01-09-2008	Primary
73	10062G	SH.DHEERAJ SINGH	01-01-1973	JUNIOR ASSISTANT	NT-7	01-09-2008	Primary
74	10063G	SH.GOVIND SINGH	12-12-1983	JUNIOR ASSISTANT	NT-7	01-09-2008	Middle-1998
75	10064G	SH.MEGH NATH MUSUP	10-05-1976	JUNIOR ASSISTANT	NT-7	01-09-2008	Middle
76	10065G	SH.MUNERAJ YADAV	01-01-1977	DRIVER	NT-7	01-09-2008	Intermediate-1996
77	10079G	SH.RAJESH KUMAR KORI	06-08-1978	LAB ATTENDANT	NT-7	02-03-2009	Intermediate-2000, ITI-2011
78	10083G	SH.SABIR KHAN	05-12-1983	DRIVER	NT-7	01-12-2009	Primary
79	10084G	SH.SANDEEP SINGH	15-07-1987	ASSISTANT	NT-7	08-01-2010	B.A.-2008, B.Lis- 2013, M.Lib & Information Science -2020
80	10085G	SH.VINAY KUMAR TIWARI	14-09-1979	ASSISTANT	NT-7	13-04-2010	B.A.-2001, ITI-2003

81	10091G	SH.RAMESH CHANDRA TIWARI	05-07-1979	SR. ELECTRICIAN	NT-7	01-10-2010	Intermediate-1996, ITI-1999
82	10099G	SH.LAVKESH KUMAR SHARMA	01-07-1975	DRIVER	NT-7	01-12-2010	High School-1994
83	10101G	SH.KAMLESH BUNKAR	12-12-1981	SR. ELECTRICIAN	NT-7	01-12-2010	High School-1998, ITI-2000
84	10106G	SH.SIYANAND GAUTAM	01-04-1987	SR. ELECTRICIAN	NT-7	01-08-2011	High School-2003, ITI-2006
85	10131G	SH.HARI LAL RATHORE	15-01-1983	LAB ASSISTANT	NT-7	01-08-2013	High School-2000, ITI(Wireman)-2003
86	10161G	SH.S.P. BAJOLIA	14-09-1971	LAB ASSISTANT	NT-7	01-09-2020	Intermediate 1989, ITI- 1993
87	10167G	SH.RAM VILOCHAN TIWARI	01-07-1965	SENIOR PLUMBER	NT-7	01-04-2022	Higher Secondary - 1981
88	10173G	SH.PRADEEP KUMAR SINGHBAIS	01-07-1978	SENIOR PLUMBER	NT-7	01-04-2022	B.A-2003, ITI -Plumber
89	10208G	SH.KAMAL KISHOR PUROHIT	20-01-1968	SR. TRADESMAN (WELDER)	NT-7	2/1/2025	B.Com- 1993
90	10108G	SH.RISHI RAM NAUDIYAL	24-10-1966	JUNIOR SUPERVISOR	NT-8	01-08-2011	Higher Secondary-1984
91	10132G	SH.ASHOK KUMAR CHAUDHARY	12-05-1979	LAB ATTENDANT	NT-8	01-08-2013	High School-2006
92	10146G	SH.RAMJI TIWARI	06-10-1970	JR. NURSE (MALE)	NT-8	01-10-2018	B.Com-1991
93	10147G	SH.RAMBABU SAINI	01-01-1985	JR. ASSISTANT (MESS)	NT-8	01-10-2018	Insufficient Education
94	10148G	SH.RAMESH PRASAD KUSHWAHA	07-03-1980	JR. ASSISTANT (MESS)	NT-8	01-10-2018	Insufficient Education
95	10149G	SH.BAIJNATH SAKET	01-01-1973	JR.ASSISTANT (MESS)	NT-8	01-10-2018	Primary
96	10150G	SH.ARUN KUMAR PATHAK	20-07-1968	JR. SUPERVISOR (MESS)	NT-8	01-10-2018	High School-1989
97	10151G	SH.PHULMESH KUMAR BARETHA	10-07-1979	JR. SUPERVISOR (MESS)	NT-8	01-10-2018	BA-2002, MA-2004
98	10154G	SH.JAFIR KHAN	06-05-1981	DRIVER	NT-8	01-07-2019	Primary
99	10156G	SMT.RASHMI RAJAK	03-07-1991	JR. NURSE	NT-8	01-08-2019	INTERMEDIATE -2009, ANM-2011
100	10168G	SH.PAHALWAN SINGH	18-05-1981	JR SUPERVISOR	NT-8	01-04-2022	Primary
101	10175G	SH.BRIJ LAL NISHAD	17-06-1969	MECHANIC	NT-8	01-04-2022	Below High School - 1980
102	10176G	SH.LALAN	01-01-1975	MECHANIC	NT-8	01-04-2022	Below High School - 1986
103	10177G	SH.BIHARI PANDEY	01-07-1976	DRIVER	NT-8	01-04-2022	Below High School- 1990
104	10178G	SH.BRAJPAL SINGH	13-03-1982	OPERATOR (PUMP)	NT-8	01-04-2022	Below High School-1997
105	10179G	SH.DEVRAM KURRAY	11-03-1976	TRADESMAN	NT-8	01-04-2022	High School - 1994
106	10180G	SH.AWADHESH PRASAD VISHWAKARMA	01-01-1966	CARPENTER	NT-8	01-04-2022	Higher Secondary -1987
107	10182G	SH.SUDHISH KUMAR SHUKLA	02-07-1982	JR. ASSISTANT (IT)	NT-8	01-04-2022	B.A-2003, Computer Diploma
108	10189G	SH.GOVIND LODHA	04-04-1995	JR NURSE (MALE)	NT-8	14-10-2022	Intermediate (12th),G.N.M. Nursing, DCA, CPCT
109	10203G	SH.BHAGWAT SINGH LODHA	5/11/1986	JR. SUPERVISOR	NT-8	10/1/2024	High School -2002
CONTRACTUAL							
1	10205G	SH.VIPIN CHANDRA PANDEY	09-01-1965	CHIEF FINANCE CONTROLLER	NT-1	03-02-2025	B.Com.-1984, M.Com.-1989, ICWA-1991
2	10190G	SH.RAJENDRA KUMAR SINGH	15-06-1963	DY. GENERAL MANAGER (MAINTENANCE)	NT-2	01-07-2023	Intermediate 1977, Diploma in Mechanical -1983
3	10201G	SH.NARAYAN SINGH	15-10-1960	ADMN. COORDINATOR	NT-5	23-09-2024	Higher Secondary-1979
4	10202G	SH.BALKAR SINGH	06-08-1958	ADMN. COORDINATOR	NT-5	23-09-2024	High School (Army Edu.) -1979
5	10199G	SH.P. SUDHAKARAN	14-01-1963	PA-1	NT-5	01-03-2024	SSLC Passed in the year 1978, Pre-Degree course completed (1980),Typing Lower & Higher (1983),horhand from City Comm.Institute (1983)
6	10204G	SH.B P NAUTIYAL	01-01-1965	SR. SUPERVISOR	NT-6	03-01-2025	Intermediate -1984
NON GRADE CONTRACTUAL							
1	50050	SU. KIRTI GUPTA	8/15/2002	TELE -CALLER		11/28/2024	B.Com-2023
2	50052	SMT. PRALLY JHA	10/6/1991	ADMISSION COUNSELLOR		12/30/2024	B.Com- 2013, M.BA-2015
3	50053	SH. ADITYA KAUSHIK	1/8/2000	ADMISSION COUNSELLOR		1/2/2025	B.Tech- 2021, M.BA-2024

RESULT ANALYSIS REPORT A.Y. 2024-25

Appendix-F

S.NO.	PROGRAM	YEAR/SEM	BATCH	STRENGTH	BRANCH	CGPA								TOTAL
						10	9 - <10	8 - <9	7 - <8	6 - <7	5 - <6	4.5 - <5	< 4.5	
1	B.TECH	IV YEAR/VIII SEM	2021-22	10	ECE		1	1	4	3	1			10
				376	CSE		15	72	119	105	53	8	4	376
				5	CHE		1	1	2		1			5
				4	CE			1	1	2				4
				4	MEC			1	1	2				4
			TOTAL	399			17	76	127	112	55	8	4	399
2		III YEAR/VI SEM	2022-23	20	ECE		1	1	5	4	6	1	2	20
				453	CSE		17	73	158	127	60	9	9	453
				3	CHE			1	2					3
				5	CE				3		2			5
				-	MEC									-
			TOTAL	481			18	75	168	131	68	10	11	481
3		II YEAR/IV SEM	2023-24	9	ECE			1	4	1	2		1	9
				419	CSE		24	66	133	100	62	15	19	419
				-	CHE									-
				7	CE			3	1	1			2	7
				8	MEC		1		3	1	2		1	8
			TOTAL	443			25	70	141	103	66	15	23	443
4		I YEAR/II SEM	2024-25	6	ECE		1	1	1	2	1			6
				322	CSE	2	31	55	89	62	44	10	29	322
				38	CSAIML		4	4	5	13	5	3	4	38
				8	CSDS		2	2	1	1		1	1	8
				4	CHE				1	3				4
				2	CE			1				1		2
	6			MEC				1	5				6	
	TOTAL		386	2	38	63	98	86	50	15	34	386		
5	BBA	I YEAR/II SEM	2024-25	4	HSS			2	2				4	
			TOTAL	4			-	-	2	2	-	-	4	
	DIPLOMA	I YEAR/II SEM	2024-25	2	DCE			1			1		2	
			TOTAL	2			-	1	-	-	1	-	2	

EVENTS, WORKSHOPS, FDP & VISITS



Gender Sensitization – 20.02.2024



Brig Sanjay Dhawar (Retd) – Address-20.02.2024



Hacktron – 27.04.2024



Delegates – GAIL & NFL – 11.06.2025



Infosys Placement – 10.01.2025



Inter Year Cricket Final Champions – 17.02.2025



ACADEMIC DOMAIN

- Electronics & Comm. Engineering
- Computer Science & Engineering
- Civil Engineering
- Chemical Engineering
- Mechanical Engineering

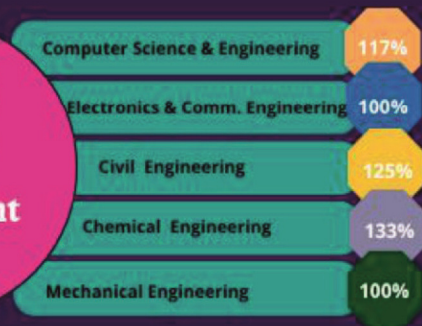
Final Placement

Highest Package
₹ **20,00,000 PA**

Average Package
₹ **6,19,000 PA**

- * **350 Offers**
- * **Placement Percentage -116%**

**Branch
Wise
Placement**



CTC Range in LPA	Offers
20 - 30.00	1
10 - 19.99	22
6 - 9.99	145
Les then 6	182



Total Visited Companies -153 +
Major Recruiters :-

Abhiwan Technology Pvt Ltd, Accenture Adv ASE, Accenture-ASE, Accurate Global Alliances, Adani Wilmar, AiDash, Allen Career Institute, Amazon, American Techno Solution Inc, Appcino Technologies, Argusoft, Bakkal, Bharosepe Technology Service Pvt. Ltd, BrightCHAMPS, Byjus, Capgemini, Codeyoung, Cognizant GenC, Cognizant GenC Elevate, Continental Automotive Components, CrowdANALYTIX, Cyfuture, Dalmia Group, David Adamson, DeltaX, Evren Global Solutions Pvt. Ltd, Fynd, GTEN Technologies, Hashedin, Hexaware, Howdy, HSBC, IBM, Incture, Infosys-SP, Insane.AI, InterviewReady, Jagdamba Auto, JTG, Kalpataru Group, KFCL, Linde Engineering, Mahindra & Mahindra, Mindtree, My Captain, Nference, NIRMA Ltd, Nirvana Solutions, Palle Technologies, Planet Spark, PurpleTutor, Resustanability, RTDS, Servosys, TCS - Digital Profile, TCS - Ninja Profile, Technogise, TestBook, Toycel Enterprises and private limited, WatchGuard, Z1 Media, Zopsmart, ZS Associates, Zycus, Adani wilmar, Jaypee Group.

Jaypee University of Engineering & Technology, Guna

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