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JUET Chronicle

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Jaypee University of Engineering and Technology, Guna
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Ph.D Awarded

- Ph.D. degree has been awarded to Mr. Kailash Narayan Katare 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.
- Ph.D. degree has been awarded to Mr. Shrinarayan Yadav PhD 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.
- Ph.D. degree has been awarded to Mr Praveen Goyal by the University for his thesis titled, “Plant Disease Identification Using Machine Learning for Precision Agriculture”, under the supervision of Dr. Dinesh Kumar Verma and Prof. Shishir Kumar in November 2024.
- Ph.D. degree has been awarded to Mr. Manoj Kumar by the University for his thesis titled, “Performance Augmentation of MIMO-OFDM Systems”, under the supervision of Dr. Manish Kumar Patidar and Dr. Narendra Singh in December 2024.
- Ph.D. degree was awarded to Mr. Ravendra Prasad Namdeo by the University for his thesis titled “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 titled “Multi Criteria Decision-making Using Intuitionistic and Pythagorean Fuzzy Entropies”, under the supervision of Dr. Divya Jain in November, 2024.

Patent/Design/Copyright

- 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.
- Dr. H. J. Dand, Mr. Santosh Shakya, Dr. V. Kandavel, Harish M., Dr. R. Satish Kumar, Mr. M.M. Arun Prasath, Dr. Ranu Gupta, Srinivasan P., Dr. Antine Nisha and 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 November 29, 2024.

BOS Meeting

- 12th BOS meeting of the CHE department was held on December 06, 2024 in online mode.
- 14th BOS meeting of the CE department was held on November 30, 2024, in hybrid mode.

Award/Honor/Recognition

- 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.

Promotion and Appointment

- Mr. Abhishek Singh (MEC), joined the University as Assistant Professor (G-I) in November, 2024.
- Dr. Jitendra Kumar Sahu (CHY), joined the University as Assistant Professor (Contractual) in November 2024.

Marathon 2024 “Abhimanyu Abhiyan”

On October 3, 2024, the District Police of Guna, in collaboration with JUET, organized an event titled ‘Abhimanyu Abhiyan’ at the JUET campus, featuring a Marathon Run. The initiative aimed to raise awareness about crimes against women and highlight the importance of creating a safe and secure environment for them. By promoting women's safety, the event underscored its significance in empowering women and advancing national development. The chief guest, Smt. Deepa Dodwe (SDOP, Raghogarh), addressed the attendees and emphasized the need for collective action to ensure the safety and well-being of women. She also awarded medals to the winners, acknowledging their enthusiastic participation and dedication to the cause. Overall, the event effectively spotlighted a critical social issue while encouraging community engagement and support.



Two-Day National Seminar

On

Social Science and Library Science for Viksit Bharat@2047

The Two-Day National Seminar on Social Science and Library Science for Viksit Bharat @2047, held on December 7–8, 2024, was jointly organized by the Department of Humanities and Social Sciences and the Learning Resource Center at JUET Guna. The seminar brought together scholars, experts, and enthusiasts to delve into themes of global governance, cultural diversity, and sustainable development. Day 1 began with a formal inaugural session, featuring addresses from distinguished guests including Prof. D.K. Rai, Prof. Vipin Tyagi, and Mr. Ajay Gupta, along with a keynote speech by Prof. Durgesh Triparthi. The launch of the seminar's souvenir marked a symbolic beginning, capturing the vision and purpose of the event. Plenary sessions focused on India's demographic strengths and the urgent need for sustainable development. Throughout the day, paper presentations spanned a wide range of interdisciplinary topics, emphasizing India's rich cultural heritage as a foundation for building a resilient and inclusive society. The day concluded with a vibrant cultural evening and a gala dinner, fostering camaraderie among participants.



Day 2 of the seminar featured a continuation of thought-provoking paper presentations and an engaging online session centered on the themes of diversity and sustainable development. The event concluded with a valedictory session, where Prof. Hergovind Singh underscored the critical role of innovation in driving sustainable progress. Certificates were awarded to participants in recognition of their contributions, and Dr. Abhishek Shukla delivered a heartfelt vote of thanks, expressing gratitude to all attendees and organizers. Overall, the seminar effectively brought together a wide spectrum of ideas and perspectives, encouraging meaningful dialogue and collaboration on issues of sustainability and diversity. It highlighted the vital role of interdisciplinary approaches in paving the way toward a prosperous and inclusive Viksit Bharat by 2047.



Event Report: Tachyon 2024

A Celebration of Technology and Innovation

Tachyon 2024, held from November 15 to 17, brought together students, faculty, and technology enthusiasts for an action-packed three-day celebration of innovation and creativity. The festival offered a vibrant mix of competitions, workshops, exhibitions, and interactive experiences—providing students with an opportunity to demonstrate their technical talents and engage with industry experts. The event began with a formal inauguration, followed by an engaging coding session hosted by Shreyan's Coding School. Highlights from Day 1 included adrenaline-pumping coding contests like Code Mania, the thrilling Water Rocket launch, the intense Chakravayuh – CTF cybersecurity challenge, and an immersive VR experience.

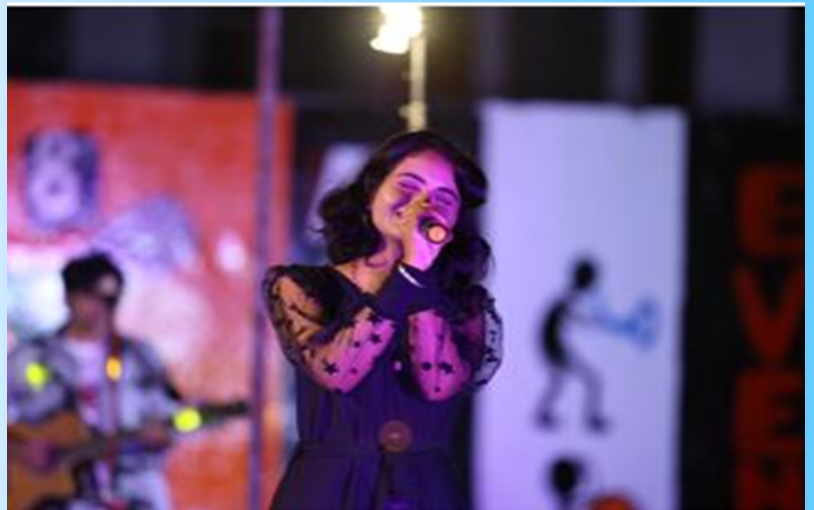


Day 2 was packed with high-energy events, including the intense Robo War and the fast-paced Robo Soccer, along with Hack Sprint, a platform for participants to pitch innovative tech solutions. The Science Exhibition offered a glimpse into creative student projects, while Blind Code challenged participants to test their programming logic under pressure. A financial literacy seminar and an insightful guest session by Kushal Vijay added depth to the day's activities. The final day of Tachyon 2024 featured a blend of creativity and critical thinking. Events like Clay Modelling showcased artistic talent, while challenges such as the Escape Room and Newbie Code put participants' problem-solving abilities to the test. Robotics took center stage once again with Robo Bazinga, and Query Quest pushed students to demonstrate their database management skills. The festival concluded on an inspiring note with an Alumni Session, where four accomplished alumni shared their professional journeys and career advice. Tachyon 2024 celebrated innovation, collaboration, and learning—leaving a lasting impression on all who attended.



Musical Night

The Cultural Wing of the JYC successfully organized a vibrant and memorable Musical Night on November 09, 2024, at Nehru Plaza, drawing enthusiastic participation from students, faculty, and staff across the university. The event was a celebration of music, culture, and campus unity, featuring a wide variety of performances that ranged from heartfelt solo renditions to energetic duets and captivating band acts. The atmosphere was lively and welcoming, encouraging interaction and camaraderie among attendees from different departments. It provided a much-needed break from routine academics and offered a stage for budding talent to shine. Notable winners of the night included Sufiyan Khan (Solo), Kabir and Shourya (Duet), and the Alankar Band (Band, 4th Year). The evening truly embodied the spirit of unity through art and music.



Publication in Journals

- Gandhi S., "Analysis of Hydraulic Jump Characteristics In U-Shaped Channel", Civil Engineering Infrastructures Journal, DOI: <https://doi.org/10.22059/cej.2024.374899.2046>, December 2024.
- Murthy Y. I. and Kumar S., "Levenberg-Marquardt Based Prediction Models for Slabs with Magnesium Sacrificial Anodes Subjected to Chloride Ingress", Portugalia Electrochemica Acta, DOI: <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, DOI :<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.
- Gaurav Saxena, Subodh Singhal, Snehal Bhosale, Prateek Pandey, "A Phase Modulation-Based Approach for Theft-Proof Electricity Distribution in India Using CDMA Technology" in JESA, Vol.57, 1687-1695, Dec 2024.
- 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, No.6, pp.34-40, December 2024.
- Amit Kumar, Tanishq Agarwal, Ayushi Dwivedi, "Automating API Performance Testing with CI/CD Pipelines", Journal of Computer Science Engineering and Software Testing-ISSN: 2581-6969, Vol. 10, No. 3, pp. 43-52, December, 2024.
- Yogesh Iyer Murthy , Kunj Bihari Meena,, Nilesh kumar Patel, "Machine learning for predicting the half cell potential of cathodically protected reinforced cement concrete slabs subjected to chloride ingress", in Engineering Applications of Artificial Intelligence, Vol. 137, pp. 109090, November 2024.
- Deepak Sharma, K. Lakshmi Narayana, Shyamala P, Dr. P. Latha, Narendra Singh, Dr 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, DOI: <https://doi.org/10.62441/nano-ntp.vi.3561>. December. 2024.
- 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 European des Systemes Automatises, Vol. 57, No. 6, pp. 1687-1695, December. 2024.
- 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, November 2024.
- 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, pp. 560-570, October 2024.

- 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, Journal of Propulsion Technology, October 2024.
- Rishika Chauhan, Shefali Sharma and Rahul Pachauri, "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, October 2024.
- Dr. Manish Patidar, Dr. Ashish Kumar, Dr. Deepak Kartikey, Dr. Nishank Sudhakar Pimple, Akansh Garg and Dr.Anand Mahadev Mahajan,"Operations Research Techniques For Optimizing Smart Grid Systems", *Nanotechnology Perceptions*, Vol. 20 No. S13 pp. 422-436, October 2024.
- 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.
- 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.
- 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.
- Dr. Vikram Singh Chouhan, "Linking workplace spirituality, workplace incivility and employee silence: moderating role of dark triad", *South Asian Journal of Business Studies*, DOI: 10.1108/SAJBS-11-2023-0404, November 2024.
- 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*, DOI: <https://doi.org/10.1007/s40010-024-00902-x>, November 2024.

Outreach and Extension Activities

As part of JUET Guna's outreach initiative, students from 10 schools and coaching institutes across Ashok Nagar, Raghogarh, Batwada, Chachora, Chanderi, Binaganj, Bhamori, and Guna visited the university between October and December 2024. The program aimed to introduce students to STEM (Science, Technology, Engineering, and Mathematics) careers, offering them hands-on exposure to university laboratories and a glimpse into academic life at JUET. Over 1,100 students and more than 90 faculty members participated in these visits. The itinerary included interactive lab sessions, campus tours, engaging faculty interactions, live demonstrations, and informative sessions on engineering career paths, entrance exams, and scholarship opportunities. Students explored cutting-edge research laboratories, academic blocks, hostels, sports complexes, and other campus facilities. The initiative generated significant interest, with many students expressing a desire to pursue B.Tech and related programs at JUET.



Schools and coaching centers responded positively, praising JUET's advanced infrastructure, dedicated faculty, and experiential learning approach. Building on the success of this initiative, JUET plans to expand its outreach through more school visits, strategic collaborations with schools and coaching centers, the introduction of specialized workshops, and mentorship programs for aspiring students. This program has effectively bridged the gap between school education and higher technical learning, inspiring the next generation of engineers and innovators.



Publication of Book/Book Chapters

- 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.
- Dr. Kamini Bhasin 'Reimagining Libraries: Transforming Knowledge Hubs into Skill Development Centers' in ICSSR sponsored seminar NSSLS-2024 on 'Social Science and Library Science for Viksit Bharat@2047' organized at JUET, Guna during Dec.7-8, 2024.
- Dr. Sandeep Srivastava 'Compulsive buying behaviour: An Investigation of its antecedents' in ICSSR sponsored seminar NSSLS-2024 on 'Social Science and Library Science for Viksit Bharat@2047' organized at JUET, Guna during Dec. 7-8, 2024.
- 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" Science and Technology: Developments and Applications December, 2024.
- Dr. R.K. Nizzampatnam, Mrs. Poonam Joshi, Mr. Y.K. Nanaware and Dr. Ranu Gupta, "Cryptography and Network Security", Scientific International Publishing House, India, December. 2024.
- 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.
- 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.
- 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>.

Student Achievements

- Mehta R. and Murthy Y. I., "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.
- Shrivastav D. and Murthy Y. I., "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.
- Shishodia A. Babu V. S. and Murthy Y. I., "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.
- Sharma S., Murthy Y. I. and Sharma A., "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., "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.
- Shishodia A. Babu V. S. and Murthy Y. I., "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.

Gandhi Jayanti Celebration

Birth anniversary of Father of Nation Mahatma Gandhi Ji, and Late Prime Minister of India Shri Lal Bahadur Shastri Ji, was celebrated on October 02, 2022.



Health Check-up Camp

A health check-up camp focusing on blood testing was organized at the JUET Medical Center on October 5, 2024 in collaboration with Axis Bank and Lal Pathology. Around 100 individuals participated and benefited from the initiative.



RIDE- Hack' 24



Students from JUET participated in RIDE-Hack'24, a dynamic hackathon organized by RIDE (Research, Innovation, Development, and Entrepreneurship) at IIIT Noida, bringing together over 400 students and 140 teams from the four Jaypee universities under the theme "Build Your Own Startup." Showcasing innovation and entrepreneurial spirit, a JUET team secured an impressive 2nd position, winning a cash prize of ₹50,000 in the second phase. Furthermore, 9 out of 13 JUET teams advanced to the third phase (Seed Funding Round), reflecting the university's strong culture of creativity, excellence, and startup-driven mindset.

Publication in Conference Proceedings

- 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 Managementan Technology, West Bengal, India, 07-08 October 2024. Proceedings published in Springer.
- 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.
- Dinesh Kumar Verma, Shweta Singh, Shivendra Dubey, and Kapil Raghuwanshi. "Revolutionize Infectious Prevention Using Artificial Intelligence and Deep Learning." In International Conference on Advances in Computing and Data Sciences, pp. 334-345. Cham: Springer Nature Switzerland, held in October 2024.
- Ravi Kumar, 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, Guna, 7-8 December, 2024.
- Ravi Kumar, 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, Guna, 7-8 December, 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.

Conference/Workshop/FDP Participated

- Mr. Arun Arya attended online "NEP 2020 Orientation & Sensitization Programme under MMTTP of UGC organized by MMTTC, Shri Ram College of Commerce during October 16- 24, 2024.
- Prof. Sumit Gandhi attended 5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from December 16-20, 2024.
- Prof. Sumit Gandhi, Dr. S. N. Yadav and Mr. Ravindra Kumar Goliya attended two week online refresher course on 'Materials for Energy and Sustainability' under MM-TTP Organized by MMTTC Centre of Science and Society, IISER Bhopal during November 4-18, 2024.
- Prof. Sumit Gandhi attended STP on Research Methodology organised by the Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC), during October 21-26, 2024.
- Dr. Yogesh Iyer Murthy and Dr. Abhishek Verma delivered poster presentation on "Assessment of Reclaimed Asphalt Pavement (RAP) in flexible pavement layers ", in 39th National Convention of Civil engineers, Exploring Emerging Trends in civil Engineering, Kochi, during October 17-18, 2024.
- Prof. Sumit Gandhi attended two week online training program on 'Global Navigation Satellite System', IIRS Outreach Programme, conducted by IIRS outreach programme, ISRO, Govt. of India during September 23 October 04, 2024.
- Dr. Partha Sarathy Banerjee participated in the Two Day Online National Workshop on "Vision Beyond Sight: Clinical and AI Solutions for Glaucoma (CAG-2024)" jointly organized by the Center for Medical Imaging Studies (CMIS) under 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 successfully completed ATAL Academy FDP on Smart Computing And Its Applications In Cyber Defense & Digital Forensic at Jalpaiguri GEC 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 completed ATAL Academy FDP 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 completed NEP 2020 Orientation & Sensitization Programme in online mode under 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 completed ATAL Academy FDP 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.
- Prof. Vipin Tyagi, Dr. Kunj Bihari Meena delivered a lecture as part of the "Faculty Induction Programme (Guru Dakshata)," organized by MMTTC at Indira Gandhi National Tribal University (IGNTU), Amarkantak, MP, from 1st to 30th November 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, GOI 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), during 4-8 November 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. 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. Mahesh Kumar has completed an online FDP on "Artificial Intelligence" organized by SkillDzire in collaboration with AICTE during 19 October to 18 November 2024.
- 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. 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 AICTE 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. Ranu Gupta has attended ATAL one week online FDP on "High Performance Computing for Medical Image Processing and Computer Vision", organized by MNNIT Allahabad during December 9-14, 2024.
- Dr. Ranu Gupta attended ATAL one week online FDP on "Semiconductor Materials and Manufacturing Technology: Driving the Semiconductor Ecosystem (SMMT-2024)", organized by Assam Down Town University during December 02-07, 2024.
- Dr. Narendra Singh, Dr. Jitendra Kanungo, Dr. Manish Patidar, Dr. Deepak Sharma, Dr. Jitendra Raghuwanshi, Ms. Rishika Chauhan, Dr. Ranu Gupta and Dr. Shefali Sharma have participated in two week online refresher course on "Materials for Energy and Sustainability" under MMTTP by Indian Institute of Science Education and Research Bhopal during November 04-18, 2024.
- Dr. Ravi Kumar attended one week FDP on "Cryptography and Network Security: Principle and Applications organized by Annant Gyan Knowledge and Skills Private Limited during November 18-23, 2024.
- Dr. Ranu Gupta attended online "MATLAB Expo 2024" organized by MathWorks during November 13-14, 2024.
- Dr. Ranu Gupta has attended ATAL one week online FDP on "AI and Digital Technologies for Sustainable Healthcare and Medical Technologies", organized by Institute of Technology, Nirma University during November 25-30, 2024.
- Dr. Ranu Gupta has attended one week online course on "Air pollutants: Implications, Monitoring and Modeling", organized by ISRO and IIRS, Dehradun during November 18-22 2024.
- Dr. Jitendra Kanungo attended one weeks online Course on "Overview of Geo Computation and Geo-web Services "organized by ISRO during November 04-08, 2024.
- Dr. Subodh Kumar Singhal attended two weeks online Course on "Overview of Global Navigation Satellite System "organized by ISRO on September 23 to October 04, 2024.
- Dr. Shefali Sharma and Ms. Rishika Chauhan have attended the 1ST Short Term Programme on Research Methodology organised by the MMTTC, SRCC during October 21- 26, 2024.

- Ms. Rishika Chauhan has participated & completed successfully 1 month Online FDP on “Deep Learning” organized by SkillDzire in collaboration with AICTE during Oct. 10- Nov, 10, 2024.
- Dr. Ranu Gupta has attended one week online FDP on “Advanced Research Methodology & Data Analytics”, organized by Digvijai Nath Post Graduate College, Gorakhpur, UP and Science Tech Institute, Lucknow during October 21-27, 2024.
- Dr. Shefali Sharma, Ms. Rishika Chauhan and Dr. Ranu Gupta has completed online course on “Overview of Geographical Information System”, at Jaypee University of Engineering and Technology, Guna during October 14 to November 01, 2024.
- Dr. Ranu Gupta, Ms. Rishika Chauhan and Dr. Shefali Sharma have participated and completed successfully Online International Workshop on "Intellectual Property and Rights (IPR)" at Research and Publication Division, Scholars Gate - Research Training Institute, Tamil Nadu, India during October 01- 03,2024.
- Dr. Narendra Singh, Dr. Jitendra Kanungo and Dr. Manish Patidar have attended one week online course on “Overview of Global Navigation Satellite System,”organized by ISRO and IIRS, Dehradun during September 23 to October 04, 2024.
- 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. Jitendra Kumar Sahu attended online “NEP 2020 Orientation & Sensitization Programme” under MMTTP of UGC organized by Staff Training and Research Institute of Distance Education (STRIDE), Indira Gandhi National Open University (IGNOU), Maidan Garhi, New Delhi during December16- 24, 2024.
- Dr. Jitendra Kumar Sahu attended 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) held duringDecember 23-27, 2024.
- Dr. Sandeep Srivastava delivered an expert lecture on the topic of "Managing Business Start-ups for Making Self-reliant India" from 25th to 29th November, 2024 in online / ICT mode organized by NITTTR, Chandigarh.
- 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 21st to 26th October 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 21st to 26th October 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.
- Dr. Vaibhav Bisht has successfully completed the NEP 2020 Orientation & Sensitization Programme held online under the Malaviya Mission Teacher Training Programme (MMTTP), organized by 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.

Conference/Seminar/Webinar/Workshop/FDP Organized

- The department organized an international webinar through online mode on “Use of Artificial Intelligence in Estimating” on November 23, 2024. This was attended by nearly 100 participants from across the globe.
- Department organized one week staff training program on Digital Component Applications” during December 16-21, 2024. Dr. Ravi Kumar was the resource persons for the program.
- Dr. Kamini Bhasin, organized a seminar on "Basics of Intellectual Property Rights and its Importance for Innovators and Entrepreneurs" on 21st November 2024 at JUET, Guna.
- Dr. Tamanna Agarwal organized a seminar event on ‘Problem-Solving and Ideation Workshop’ on 20th November 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 21st to 26th October 2024 at JUET, Guna.
- Dr. Kamini Bhasin organized an awareness session and questionnaire on ‘Abhimanyu Abhiyaan’ on 4th October, 2024 in collaboration with Gender Sensitization Cell, JUET, Guna.

Youth Parliament

The Literary Wing of our college successfully organized a Youth Parliament on 9th November 2024, providing students a vibrant platform to voice their opinions on pressing national issues. The event simulated real parliamentary proceedings, encouraging participants to engage in healthy debates, propose bills, and practice democratic decision-making. With enthusiastic participation from various departments, the session showcased exemplary public speaking, critical thinking, and leadership skills. Every participant was assigned the role of a real Member of Parliament, adding authenticity to the experience. The panel of judges praised the students for their thorough research and impactful presentations. Overall, the event was a grand success and was well-received by all.



Gender Sensitization

On October 4, 2024, the Gender Sensitization Cell at Jaypee University of Engineering and Technology, Guna, organized an awareness event to promote inclusivity and respect on campus. Aligned with Madhya Pradesh's "Abhimanyu Abhiyan" initiative, the program aimed to address gender-based violence and discrimination through education and active engagement. The session featured thought-provoking videos and interactive questionnaires, encouraging students to reflect on gender bias and the importance of equality. It also focused on raising awareness about sexual harassment—its impact, prevention, and redressal mechanisms. Led by the university's gender champions, the event provided a safe, supportive space for open dialogue and learning.



Industrial Visit

On 23rd November 2024, the first and second-year Mechanical Engineering students undertook an industrial visit to M/s Radha Krishna Metal in Guna, a renowned facility specializing in the production of aluminum utensils. The plant houses a comprehensive range of equipment, including an oil-fired melting furnace, hinged-die casting setups, two-high rolling mills, power shearing machines, mechanical presses for deep drawing, metal spinning machines, and buffing and polishing machines. The visit enabled students to understand the real-world applications of metal forming and fabrication processes, bridging the gap between theoretical knowledge and industrial practice.



Nukkad Natak

The Drama Wing, JYC staged a powerful Nukkad Natak on the theme "Naari Shashaktikaran" (Women Empowerment) at Sadda Colony, Raghogarh on 13th October 2024. The street play aimed to raise awareness about women's rights, gender equality, and the importance of education and independence for women. Through realistic portrayals of discrimination, courage, and transformation, the team delivered a powerful message that resonated deeply with the audience. A large, engaged audience appreciated the thought-provoking message, which sparked meaningful reflection and discussion on women's empowerment within the community.



Fit India Week

The FIT INDIA Swasth Club, in collaboration with the Sports Wing of JYC, celebrated Fit India Week by hosting two dynamic sporting events from November 17 to 27, 2024. The Inter-Year Futsal Tournament saw enthusiastic participation from 64 students across 8 teams, competing in 15 exciting matches. The tournament fostered a spirited yet friendly atmosphere among the students. At the same time, the Inter-Year T10 Cricket Tournament was held, featuring one team from each academic year. Spanning four days, this thrilling event brought together 72 participants who played a total of 7 matches. Both tournaments highlighted the importance of fitness and sportsmanship, making the celebration a vibrant and engaging experience for all involved.



Model Exhibition

On 25th October 2025, the Mechanical Engineering Society (MES) organized an exhibition showcasing student-created engineering models, aimed at demonstrating key engineering principles through interactive displays in hydraulics, suspension systems, and aerodynamics. The event encouraged hands-on learning and fostered innovation and creativity among students, while also sparking audience interest in core technical concepts. Through their models, students effectively presented practical applications of classroom knowledge, making engineering more engaging and accessible.



Training and Placement



JAYPEE UNIVERSITY
OF ENGINEERING & TECHNOLOGY GUNA, M.P.

Batch 2020 - 2024



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ACADEMIC DOMAIN

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

Final Placement

Highest Package
₹ 30,00,000 PA

Average Package
₹ 6,63,000 PA

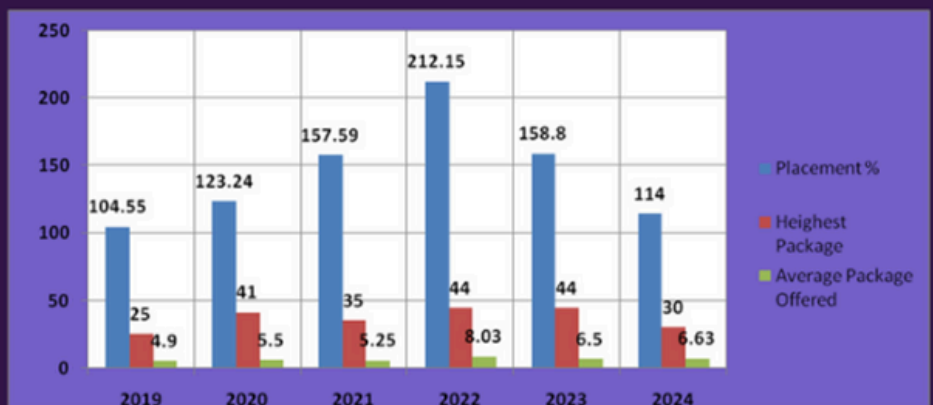
* **359 Offers**

* **Placement Percentage -114%**

**Branch
Wise
Placement**

Computer Science & Engineering	114%
Electronics & Comm. Engineering	118%
Civil Engineering	100%
Chemical Engineering	120%
Mechanical Engineering	129%

CTC Range in LPA	Offers
20 - 30.00	9
10 - 19.99	18
6 - 9.99	164
Les then 6	168



Total Visited Companies -150 +
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.



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