STUDENT NEWS

RESEARCH PAPERS PUBLISHED & CONFERENCES ATTENDED

Rajkumar Chakraborty, Ph.D., BT, 3rd Year
- 'Predicting MicroRNA Sequence Using CNN and LSTM Stacked in Seq2Seq Architecture', *IEEE/ ACM Transactions on Computational Biology and Bioinformatics*

Gopal Singh, M.Tech., CI, 2nd Year
- 'Universal Biquad Fractional order Filter Using Single LT1228 IC', *IEEE International Conference for Innovation in Technology, 2020*

Jyoti Srivastava, M.Tech., CI, 2nd Year
- 'Analog Inverse Filters Using OTAs', *6th International Conference on Control, Automation and Robotics, 2020*
- 'VDTA based Fractional Order Universal Filter', *IEEE International Conference for Innovation in Technology, 2020*

Abhay Kumar, B.Tech., CE, 4th Year
Arunish Kumar, B.Tech., CE, 4th Year
Avinash Kumar Jha, B.Tech., CE, 4th Year
Surabhi Adhikari, B.Tech., COE, 4th Year
Surendrabikram Thapa, B.Tech., COE, 4th Year
Sushruti Mishra, B.Tech., COE, 4th Year
- 'Evaluation of Factors Affecting Compressive Strength of Concrete using Machine Learning', *Advanced Computing and Communication Technologies for High Performance Applications*

Amit Kumar, B.Tech., CE, 4th Year
Arunish Kumar, B.Tech., CE, 4th Year
Avinash Kumar Jha, B.Tech., CE, 4th Year
- 'Crack Detection of Structures using Deep Learning Framework', *3rd International Conference on Intelligent Sustainable Systems, 2020*

Avinash Kumar Jha, B.Tech., CE, 4th Year
Lakshay Tyagi, B.Tech., ME, 4th Year
- 'Mechanical and tribological properties of AA7075-T6 metal matrix composite reinforced with ceramic particles and aloevera ash via Friction stir processing', *Materials Research Express*

Anjali Kumari, B.Tech., CEEE, 4th Year
Hemant Sharma, B.Tech., CEEE, 4th Year
Imroz Khan, B.Tech., CEEE, 4th Year
- 'Multi-Output Fast Wireless Charging for Electric Vehicles', *International Journal of Engineering Research & Technology*

Prashansa Bhattacharya, B.Tech., COE, 4th Year
Priyansh Verma, B.Tech., COE, 4th Year
Rohit Goyal, B.Tech., COE, 4th Year
- 'Analysis of Query Constrained Video Summarization Techniques', *6th International Conference on Inventive Computation Technologies, 2021*

Priyesh Agarwal, B.Tech., COE, 4th Year
Rishar Singh, B.Tech., COE, 4th Year
Sachin Singla, B.Tech., COE, 4th Year
- 'Food Recognition and Calorie Estimation using Convolutional Neural Networks', *12th International Conference on Recent Trends in Information, Telecommunication and Computing, 2021*

Surendrabikram Thapa, B.Tech., COE, 4th Year
- *International Joint Conference on Neural Networks, 2020*

Ankit Gupta, B.Tech., ECE, 4th Year
- 'Hardware Design of Approximate Matrix Multiplier based on FPGA in Verilog', *International Conference on Intelligent Computing and Control Systems, 2020*

Daksh Shah, B.Tech., ECE, 4th Year
Parangat Mittal, B.Tech., ECE, 4th Year
- 'Linear Feedback Shift Register-Based Test Pattern Generators: A Comparative Study', *International Journal of Advanced Research in Electronics and Communication Engineering*

Parangat Mittal, B.Tech., ECE, 4th Year
Vyom Garg, B.Tech., ECE, 4th Year
- 'Design and Analysis of LFSR based Content Addressable Memory', *IEEE International Conference on Computing, Communication, and Intelligent Systems, 2021*

Rani Medhashree, B.Tech., ECE, 4th Year
Sunakshi, B.Tech., MCE, 4th Year
Vatsal Agarwal, B.Tech., MCE, 4th Year
- 'Study and Applications of Fuzzy Systems in Domestic Products', *International Conference on Pervasive Artificial Intelligence, 2020*

Rani Medhashree, B.Tech., ECE, 4th Year
- *International Conference on Advanced Production and Industrial Engineering, 2021*

Gaurav Kumar, B.Tech., EE, 4th Year
- 'Experimental validation and control of Laboratory aerial system by IC741-IOPID and IC741-FOPI$^\lambda$ Controllers: An Analog approach', *International Conference on Computing and Networking Technology, 2020*

Aman Kaushik, B.Tech., ENE, 4th Year
Aviral Agarwal, B.Tech., ENE, 4th Year
Sankalp Kumar, B.Tech., ENE, 4th Year
- 'Comparative study on air quality status in Indian and Chinese cities before and during the COVID-19 lockdown period', *Air Quality, Atmosphere & Health*
- 'Financial viability assessment of concentrated solar power technologies under Indian climatic conditions', *Sustainable Energy Technologies and Assessments*
- 'Predicting Ground Level PM2.5 Concentration Over Delhi Using Landsat 8 Satellite Data', *International Journal of Remote Sensing*

Pranav Mani Tripathi, B.Tech., EP, 4th Year
- 'Numerical simulation and parametric assessment of GaN buffered trench gate MOSFET for low power applications', *IET Circuits, Devices & System*

Sunakshi, B.Tech., MCE, 4th Year
Tanay Singhania, B.Tech., MCE, 4th Year
Vatsal Agarwal, B.Tech., MCE, 4th Year
- 'A Novel Intrusion Detection System Using Deep Learning', *International Conference on Innovative Computing and Communication, 2021*

Tanay Singhania, B.Tech., MCE, 4th Year
- 'Hiding Data in Images Using Cryptography and Deep Neural Network', *Journal of Artificial Intelligence and Systems*

Kartikeya Bector, B.Tech., ME, 4th Year
- 'A Review on the Fabrication of Surface Composites via Friction Stir Processing and Its Modeling using ANN', *International Conference on Energy, Materials Sciences and Mechanical Engineering, 2020*

Aniket Gupta, B.Tech., PSCT, 4th Year
Saksham Srivastava, B.Tech., PSCT, 4th Year
Srishti Mittal, B.Tech., PSCT, 4th Year
- 'Artificial Neural Network-based modeling of the dehydration of the alcohol-water system using pervaporation process', *International Online Congress on Membranes and Membrane Assisted Processes, 2020*

Srishti Mittal, B.Tech., PSCT, 4th Year
- 'A Machine Learning Approach to Improve Ignition Properties of High-ash Indian Coals by Solvent Extraction and Coal Blending', *Chemical Engineering Journal*

Divyansh Singh Panwar, B.Tech., SE, 4th Year
Samarth Garg, B.Tech., SE, 4th Year
- 'A Literature Review On Sentiment Analysis Techniques Involving Social Media Platforms', *6th International Conference on Parallel, Distributed and Grid Computing, 2020*

Kunal Jaswal, B.A., Economics, 3rd Year
- *Harvard Project for Asian and International Relations, 2020, Massachusetts, United States of America*

Tarunya Menon, B.Tech., BT, 3rd Year
- *Students Innovations for Translation & Advancement of Research Explorations, Biotechnology Industry Research Assistance Council, 2020*

Shreyansh Gupta, B.Tech., CE, 3rd Year
Anunay Gupta, B.Tech., EE, 3rd Year
- 'InstaCovNet-19: A deep learning classification model for the detection of COVID-19 patients using Chest X-ray', *Applied Soft Computing*
- 'Recent Trends of Fake News Detection: A Review', *2nd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication, 2020*

Abhay Lodhi, B.Tech., COE, 3rd Year
- 6th *International Conference on Inventive Computation Technologies, 2020*

Jushaan Singh Kalra, B.Tech., COE, 3rd Year
- 'Hierarchical Clustering of World Cuisines', 36th *International Conference on Data Engineering Workshops, 2020*
- 'Nutritional Profile Estimation in Cooking Recipes', 36th *International Conference on Data Engineering Workshops, 2020*
- 'RecipeDB: a resource for exploring recipes', *Database*

Rishabh, B.Tech., COE, 3rd Year
- *Global Quantum Computation Workshop, QWorld, 2020*

Mitul Choudhary, B.Tech., ECE, 3rd Year
Varun Sirpal, B.Tech., EE, 3rd Year
- 'Advancing e-Government using Internet of Things', 2nd *International Conference on Mobile Computing and Sustainable Informatics, 2020*

Sagar Singhal, B.Tech., ECE, 3rd Year
- 6th *International Conference on Inventive Computation Technologies, 2020*

Purshottam Kandhari, B.Tech., EE, 3rd Year
Shubhang Gopal, B.Tech., IT, 3rd Year
- 'Criconomics: Study of Branding and Marketing in the IPL', *International Journal of Humanities and Social Science Inventions*

Rachit Bansal, B.Tech., EE, 3rd Year
- *Conference on Empirical Methods in Natural Language Processing, 2020*
- *Conference on Neural Information Processing Systems, 2020*
- *International Conference on Machine Learning, 2020*

Akanksha Tanwar, B.Tech., IT, 3rd Year
- *EXUN, 2020, Delhi Public School, RK Puram, Delhi, India*

Mridul Gupta, B.Tech., ME, 3rd Year
- 'Statistical Analysis of the Relation Between the Developmental Status of Nations and Their Banks' NPA Using Hypothesis Testing', *International Journal of Management*

Tashvik Dhamija, B.Tech., ECE, 2nd Year
- 'Comparative Analysis of Machine Learning and Deep Learning Algorithms for Detection of Online Hate Speech', *International Congress on Advances in Materials Science and Engineering, 2020*

Aviral Srivastava, B.Tech., EP, 1st Year
- *Future of Quantum Computing, 2020, Dr B. R. Ambedkar National Institute of Technology, Jalandhar, India*
- *Neutrinos: The Nobel Connection, 2020, Dr B. R. Ambedkar National Institute of Technology, Jalandhar, India*

Purshottam Kandhari, B.Tech., EE, 3rd Year
S. Aditya, B.Tech., COE, 3rd Year
Shubhang Gopal, B.Tech., IT, 3rd Year
- Winner, *Case Study Competition, 2020, Sri Guru Tegh Bahadur Khalsa College, Delhi, India*
- Winner, *Online Case Study Competition, 2020, Dyal Singh College, Delhi, India*

Akanksha Tanwar, B.Tech., IT, 3rd Year
Anima Jain, B.Tech., IT, 3rd Year
Shreoshi Roy, B.Tech., SE, 3rd Year
- Second runner-up, *Microsoft Engage, 2020*

Shubhang Gopal, B.Tech., IT, 3rd Year
- Winner, *Debate Competition, 2020, Indira Gandhi Delhi Technical University for Women, Delhi, India*
- Second runner-up, *Business Aptitude Quiz, 2020, Shri Ram College of Commerce, Delhi, India*

Anshuman Pandey, B.Des., 2nd Year
- Winner, *Non-Engineering Category, Student Engineering Model Competition, 2020*

INTERNATIONAL INTERNSHIPS & SCHOLARSHIPS AWARDED

Anuj Kumar, B.Tech., CE, 4th Year
- Build India Scholarship, *Larsen and Toubro*

Nikhil Seth, B.Tech., EE, 4th Year
- Second runner-up, *Code to Japan, Asia to Japan*

Shashank Jarial, B.Tech., EP, 4th Year
- *Google Summer of Code, 2020*

Tarunya Menon, B.Tech., BT, 3rd Year
- MITACS Globalink Research Internship, *Canada*

Anchal Gupta, B.Tech., COE, 3rd Year
- MITACS Globalink Research Internship, *Canada*

Gadde Satya Sai Naga Himabindu, B.Tech., COE, 3rd Year
- MITACS Globalink Research Internship, *Canada*

Rachit Bansal, B.Tech., EE, 3rd Year
- Research Internship, *Technion, Israel Institute of Technology, Israel*
- Research Internship, *Cuneiform Digital Library Initiative, University of Oxford, Oxford, United Kingdom*

Anoushka Raj, B.Tech., ENE, 3rd Year
- MITACS Globalink Research Internship, *Canada*

Akanksha Tanwar, B.Tech., IT, 3rd Year
- Google Women Techmakers Scholarship, *Asia Pacific*

Shubhang Gopal, B.Tech., IT, 3rd Year
- MITACS Globalink Research Internship, *Canada*

Anshuman Pandey, B.Des., 2nd Year
- Research Fund, *Council Of Scientific And Industrial Research–Central Electronics Engineering Research Institute, Pilani, India*

AWARDS & COMPETITIONS WON

Chirag Singhla, B.Tech., COE, 4th Year
Kshitij Rastogi, B.Tech., COE, 4th Year
Pranav Sharma, B.Tech., COE, 4th Year
Shivam Kumar, B.Tech., COE, 4th Year
Abhinav Gautam, B.Tech., COE, 3rd Year
Ishan Chaudhary, B.Tech., COE, 3rd Year
- Winner, *Smart India Hackathon, 2020*

Tanay Singhania, B.Tech., MCE, 4th Year
- Research Excellence Award, *Journal of Artificial Intelligence and Systems, Institute of Electronics and Computer*

Angad Sethi, B.Tech., COE, 3rd Year
- Winner, *Conventional Debate Competition, Kamala Nehru College, Delhi, India*
- Runner-up, *K.C. Garg Memorial Inter-College Debate Competition, Maharaja Agrasen Institute of Technology, Delhi, India*
- Second runner-up, *Turncoat Debate Competition, Manipal University, Jaipur, India*

S. Aditya, B.Tech., COE, 3rd Year
Shubhang Gopal, B.Tech., IT, 3rd Year
- Winner, *BizQuiz, 2021, Birla Institute of Technology, Mesra, India*