# 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^ 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, *Cuneiform Digital Library Initiative, University of Oxford, Oxford, United Kingdom*
- Research Internship, *Technion, Israel Institute of Technology, Israel*

**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*