

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-FOPID 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