

# STUDENT NEWS

## RESEARCH PAPERS PUBLISHED & CONFERENCES ATTENDED

**Rajkumar Chakraborty, Ph.D., BT, 3<sup>rd</sup> 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, 2<sup>nd</sup> Year**

- ‘Universal Biquad Fractional order Filter Using Single LT1228 IC’, *IEEE International Conference for Innovation in Technology*, 2020

**Jyoti Srivastava, M.Tech., CI, 2<sup>nd</sup> Year**

- ‘Analog Inverse Filters Using OTAs’, *6<sup>th</sup> 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, 4<sup>th</sup> Year**

**Arunish Kumar, B.Tech., CE, 4<sup>th</sup> Year**

**Avinash Kumar Jha, B.Tech., CE, 4<sup>th</sup> Year**

**Surabhi Adhikari, B.Tech., COE, 4<sup>th</sup> Year**

**Surendrabikram Thapa, B.Tech., COE, 4<sup>th</sup> Year**

**Sushruti Mishra, B.Tech., COE, 4<sup>th</sup> 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, 4<sup>th</sup> Year**

**Arunish Kumar, B.Tech., CE, 4<sup>th</sup> Year**

**Avinash Kumar Jha, B.Tech., CE, 4<sup>th</sup> Year**

- ‘Crack Detection of Structures using Deep Learning Framework’, *3<sup>rd</sup> International Conference on Intelligent Sustainable Systems*, 2020

**Avinash Kumar Jha, B.Tech., CE, 4<sup>th</sup> Year**

**Lakshay Tyagi, B.Tech., ME, 4<sup>th</sup> 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, 4<sup>th</sup> Year**

**Hemant Sharma, B.Tech., CEEE, 4<sup>th</sup> Year**

**Imroz Khan, B.Tech., CEEE, 4<sup>th</sup> Year**

- ‘Multi-Output Fast Wireless Charging for Electric Vehicles’, *International Journal of Engineering Research & Technology*

**Prashansa Bhattacharya, B.Tech., COE, 4<sup>th</sup> Year**

**Priyansh Verma, B.Tech., COE, 4<sup>th</sup> Year**

**Rohit Goyal, B.Tech., COE, 4<sup>th</sup> Year**

- ‘Analysis of Query Constrained Video Summarization Techniques’, *6<sup>th</sup> International Conference on Inventive Computation Technologies*, 2021

**Priyesh Agarwal, B.Tech., COE, 4<sup>th</sup> Year**

**Rishar Singh, B.Tech., COE, 4<sup>th</sup> Year**

**Sachin Singla, B.Tech., COE, 4<sup>th</sup> Year**

- ‘Food Recognition and Calorie Estimation using Convolutional Neural Networks’, *12<sup>th</sup> International Conference on Recent Trends in Information, Telecommunication and Computing*, 2021

**Surendrabikram Thapa, B.Tech., COE, 4<sup>th</sup> Year**

- *International Joint Conference on Neural Networks*, 2020

**Ankit Gupta, B.Tech., ECE, 4<sup>th</sup> 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, 4<sup>th</sup> Year**

**Parangat Mittal, B.Tech., ECE, 4<sup>th</sup> 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, 4<sup>th</sup> Year**

**Vyom Garg, B.Tech., ECE, 4<sup>th</sup> 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, 4<sup>th</sup> Year**

**Sunakshi, B.Tech., MCE, 4<sup>th</sup> Year**

**Vatsal Agarwal, B.Tech., MCE, 4<sup>th</sup> Year**

- ‘Study and Applications of Fuzzy Systems in Domestic Products’, *International Conference on Pervasive Artificial Intelligence*, 2020

**Rani Medhashree, B.Tech., ECE, 4<sup>th</sup> Year**

- *International Conference on Advanced Production and Industrial Engineering*, 2021

**Gaurav Kumar, B.Tech., EE, 4<sup>th</sup> 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, 4<sup>th</sup> Year**

**Aviral Agarwal, B.Tech., ENE, 4<sup>th</sup> Year**

**Sankalp Kumar, B.Tech., ENE, 4<sup>th</sup> 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, 4<sup>th</sup> Year**

- ‘Numerical simulation and parametric assessment of GaN buffered trench gate MOSFET for low power applications’, *IET Circuits, Devices & System*

**Sunakshi, B.Tech., MCE, 4<sup>th</sup> Year**

**Tanay Singhania, B.Tech., MCE, 4<sup>th</sup> Year**

**Vatsal Agarwal, B.Tech., MCE, 4<sup>th</sup> Year**

- ‘A Novel Intrusion Detection System Using Deep Learning’, *International Conference on Innovative Computing and Communication*, 2021

**Tanay Singhania, B.Tech., MCE, 4<sup>th</sup> Year**

- ‘Hiding Data in Images Using Cryptography and Deep Neural Network’, *Journal of Artificial Intelligence and Systems*

**Kartikeya Bector, B.Tech., ME, 4<sup>th</sup> 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, 4<sup>th</sup> Year**

**Saksham Srivastava, B.Tech., PSCT, 4<sup>th</sup> Year**

**Srishti Mittal, B.Tech., PSCT, 4<sup>th</sup> 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, 4<sup>th</sup> 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, 4<sup>th</sup> Year**

**Samarth Garg, B.Tech., SE, 4<sup>th</sup> Year**

- ‘A Literature Review On Sentiment Analysis Techniques Involving Social Media Platforms’, *6<sup>th</sup> International Conference on Parallel, Distributed and Grid Computing*, 2020

**Kunal Jaswal, B.A., Economics, 3<sup>rd</sup> Year**

- *Harvard Project for Asian and International Relations*, 2020, Massachusetts, United States of America

**Tarunya Menon, B.Tech., BT, 3<sup>rd</sup> Year**

- *Students Innovations for Translation & Advancement of Research Explorations*, Biotechnology Industry Research Assistance Council, 2020

**Shreyansh Gupta, B.Tech., CE, 3<sup>rd</sup> Year**

**Anunay Gupta, B.Tech., EE, 3<sup>rd</sup> 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’, *2<sup>nd</sup> International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication*, 2020

**Abhay Lodhi, B.Tech., COE, 3<sup>rd</sup> Year**

- 6<sup>th</sup> International Conference on Inventive Computation Technologies, 2020

**Jushaan Singh Kalra, B.Tech., COE, 3<sup>rd</sup> Year**

- ‘Hierarchical Clustering of World Cuisines’, 36<sup>th</sup> International Conference on Data Engineering Workshops, 2020
- ‘Nutritional Profile Estimation in Cooking Recipes’, 36<sup>th</sup> International Conference on Data Engineering Workshops, 2020
- ‘RecipeDB: a resource for exploring recipes’, Database

**Rishabh, B.Tech., COE, 3<sup>rd</sup> Year**

- Global Quantum Computation Workshop, QWorld, 2020

**Mitul Choudhary, B.Tech., ECE, 3<sup>rd</sup> Year**  
**Varun Sirpal, B.Tech., EE, 3<sup>rd</sup> Year**

- ‘Advancing e-Government using Internet of Things’, 2<sup>nd</sup> International Conference on Mobile Computing and Sustainable Informatics, 2020

**Sagar Singhal, B.Tech., ECE, 3<sup>rd</sup> Year**

- 6<sup>th</sup> International Conference on Inventive Computation Technologies, 2020

**Purshottam Kandhari, B.Tech., EE, 3<sup>rd</sup> Year**  
**Shubhang Gopal, B.Tech., IT, 3<sup>rd</sup> Year**

- ‘Criconomics: Study of Branding and Marketing in the IPL, International Journal of Humanities and Social Science Inventions

**Rachit Bansal, B.Tech., EE, 3<sup>rd</sup> 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, 3<sup>rd</sup> Year**

- EXUN, 2020, Delhi Public School, RK Puram, Delhi, India

**Mridul Gupta, B.Tech., ME, 3<sup>rd</sup> 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, 2<sup>nd</sup> 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, 1<sup>st</sup> 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, 3<sup>rd</sup> Year**  
**S. Aditya, B.Tech., COE, 3<sup>rd</sup> Year**  
**Shubhang Gopal, B.Tech., IT, 3<sup>rd</sup> 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, 3<sup>rd</sup> Year**  
**Anima Jain, B.Tech., IT, 3<sup>rd</sup> Year**  
**Shreoshi Roy, B.Tech., SE, 3<sup>rd</sup> Year**

- Second runner-up, Microsoft Engage, 2020

**Shubhang Gopal, B.Tech., IT, 3<sup>rd</sup> 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., 2<sup>nd</sup> Year**

- Winner, Non-Engineering Category, Student Engineering Model Competition, 2020

## INTERNATIONAL INTERNSHIPS & SCHOLARSHIPS AWARDED

**Anuj Kumar, B.Tech., CE, 4<sup>th</sup> Year**

- Build India Scholarship, Larsen and Toubro

**Nikhil Seth, B.Tech., EE, 4<sup>th</sup> Year**

- Second runner-up, Code to Japan, Asia to Japan

**Shashank Jarial, B.Tech., EP, 4<sup>th</sup> Year**

- Google Summer of Code, 2020

**Tarunya Menon, B.Tech., BT, 3<sup>rd</sup> Year**

- MITACS Globalink Research Internship, Canada

**Anchal Gupta, B.Tech., COE, 3<sup>rd</sup> Year**

- MITACS Globalink Research Internship, Canada

**Gadde Satya Sai Naga Himabindu, B.Tech., COE, 3<sup>rd</sup> Year**

- MITACS Globalink Research Internship, Canada

**Rachit Bansal, B.Tech., EE, 3<sup>rd</sup> 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, 3<sup>rd</sup> Year**

- MITACS Globalink Research Internship, Canada

**Akanksha Tanwar, B.Tech., IT, 3<sup>rd</sup> Year**

- Google Women Techmakers Scholarship, Asia Pacific

**Shubhang Gopal, B.Tech., IT, 3<sup>rd</sup> Year**

- MITACS Globalink Research Internship, Canada

**Anshuman Pandey, B.Des., 2<sup>nd</sup> Year**

- Research Fund, Council Of Scientific And Industrial Research–Central Electronics Engineering Research Institute, Pilani, India

## AWARDS & COMPETITIONS WON

**Chirag Singhla, B.Tech., COE, 4<sup>th</sup> Year**  
**Kshitij Rastogi, B.Tech., COE, 4<sup>th</sup> Year**  
**Pranav Sharma, B.Tech., COE, 4<sup>th</sup> Year**  
**Shivam Kumar, B.Tech., COE, 4<sup>th</sup> Year**  
**Abhinav Gautam, B.Tech., COE, 3<sup>rd</sup> Year**  
**Ishan Chaudhary, B.Tech., COE, 3<sup>rd</sup> Year**

- Winner, Smart India Hackathon, 2020

**Tanay Singhania, B.Tech., MCE, 4<sup>th</sup> Year**

- Research Excellence Award, Journal of Artificial Intelligence and Systems, Institute of Electronics and Computer

**Angad Sethi, B.Tech., COE, 3<sup>rd</sup> 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, 3<sup>rd</sup> Year**  
**Shubhang Gopal, B.Tech., IT, 3<sup>rd</sup> Year**

- Winner, BizQuiz, 2021, Birla Institute of Technology, Mesra, India