CS **e-patra**

JAN - JUNE   2020

Department of Computer Science and Engineering
School of Engineering and Technology

About GIETU

GIET University, Gunupur, Odisha (formerly known as Gandhi Institute of Engineering and Technology) was established by Vidya Bharati Educational Trust," Gunupur, Odisha, India in the year 1997. Since inception, the Trust promotes Technical Education in India with a motto of providing Quality Education in a highly disciplined and conducive environment with International Standards. Over a period of 23 years, we have grown by leaps and bounds and today our name is identified with quality engineering education in Eastern India. GIET was declared as a state university on 28th Dec 2018 by Govt. of Odisha as 4th Private University of the state. GIET University is approved by Govt. of Odisha and AICTE, New Delhi. Most of the programs offered under the University are accredited by the NBA.

About CSE Department

The Department of Computer Science & Engineering (CSE) is a centre of excellence providing in-depth technical knowledge and opportunities for innovation and research with up-to-date computing facilities. The Department envisions to be globally recognized as a premier center through excellent teaching and creating professionally competent engineers with moral values committed to building a vibrant nation. Established in the academic year 1997-98 with an annual intake of 40, currently, it has reached to intake strength of 240. The Department has got accredited 4 times by NBA (National Board of Accreditation, AICTE, Delhi). In addition to the strong undergraduate program, the department is also offering Post Graduate (M.Tech) program in Computer Science & Ph.D. programs in Computer Science & Multidisciplinary streams..

Contents

Message From HoD's Desk

Dear Readers

Welcome and best wishes to all our stakeholders who receive this Newsletter. It gives me immense pleasure to present the first issue of "CS e-Patra".This internal newsletter serves as an evidence of our outstanding achievements during the academic schedule January to June 2020. Even during the Covid-19 pandemic, we at the Department of Computer Science and Engineering ensured that the learning cannot be stopped. Hence, to walk the talk, past semester was full of various activities by the students and faculty members in academic, co-curricular, extra-curricular as well as in research & development. As you read through the pages you will realize, that the Department had a particularly successful semester.The present newsletter attempts to present the Department and its activities during the period January to June 2020, for general information to all concerned.

I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace. I wholeheartedly support the efforts of all the members of the editorial board and congratulate all those behind the release of this newsletter.

Regards,

Dr. Sanjay Kumar Kuanar
Professor & Head,
Computer Science & Engineering
School of Engineering & Technology

Message From Alumni

Dear Fellow GIETians,

It is heartening to know that CS Department of GIET University is launching its own "CS e-patra" newsletter. I congratulate the editorial board on its tireless efforts in envisaging this publication. At the same time, I express my deepest gratitude for providing this opportunity to share my experiences of last 12 years after graduating from GIET.

When I delve into past, doing the qualitative analysis of an "Amateur Amod" of 2004 with the present day Amod, who is solving real time problems and developing products for Defence, I clearly feel that years spent at Gunupur had seeded the courage to dare and dream, provided wings to soar high and achieve those dreams. As a professional, serving defence forces is reverential but the journey to reach here in itself is incredible.

GIET is a collective responsibility and if you desire to feel at par with IITians, you need to increase your stake holding in uplifting GIET, there is no gain without pain. Remember, in outer world, you are as good as your institution, you cannot change your Almamater but you can change world's perception about your Almamater. Pledge to make our Computer Science and Engineering Department of GIET University, one of the best (and among top 10) R&D and academically enriched department in Computational Sciences acclaimed for its Research Publications, Patents and industry driven Research Projects

Together, we can make a difference; your value is not what you know but what you bring to the table. Make the best use of time and resources. I am available for further assistance at amod@hqr.drdo.in

Amod Kumar Batch (2004-08)
**SO to Director, JCB
DRDO , Ministry of Defence ,
Delhi-54**

Dear Fellow GIETians,

Wish you all the best and success on CS E-Patra new letters launch tomorrow.

I was part of GIET,Gunupur from 2000-2004 Information Technology Branch. I have been up to date with my college events and seeing it go through unbelievable transformation. It makes me nostalgic and feel like going back to college again. I feel proud as a GIETIAN.

I look forward to see you all in college one day in future.

Janakiram Meka Batch (2000-04)
**Lead EA Database Administrator,
First American Corporation,
Santa Ana, California ,USA.**

EVENTS

1. ICCSEA Conference

2020 International Conference on Computer Science, Engineering and Applications (ICCSEA 2020), 13-14 March 2020 is technically sponsored by IEEE Kolkata section and Computer Society of India and being organized by Department of Computer Science and Engineering of GIET University, Gunupur -765022, Odisha, India. The conference has solicited and gathered 262 technical research submissions related to all aspects of major conference themes and tracks. After the rigorous peer-review process, 135 papers were selected on the basis of originality, significance, and clarity for the purpose of the conference. Dr. Asok De, Professor at Delhi Technological University, as the Chief Guest and Prof. Atal Chaudhuri , Vice-Chancellor of Veer Surendra Sai University of Technology (VSSUT), Burla as Guest of Honor, Prof. L. M. Patnaik, Adjunct Professor and INSA Senior Scientist as General Chair, Prof. S K Udgata, Professor, Central University, Hyderabad as our Program Chair, Dr. Binh Thai Pham, University of Transport Technology, Ha Noi, Viet-Nam. Dr. Danial Jahed Armaghani, University of Malaya, Malaysia. Dr. Brajesh Kumar Kaushik, Department of Electronics and Communication Engineering, IIT Roorkee, India. Dr. Vipul Vashisht, Lagozon Technologies Private Limited, Noida, India. Dr. Moe Moe Myint, Mandalay Technological University, Myanmar as our esteemed keynote speakers for this special occasion.

2. International Online seminar on future perspectives for COVID-19: Challenges and Solutions
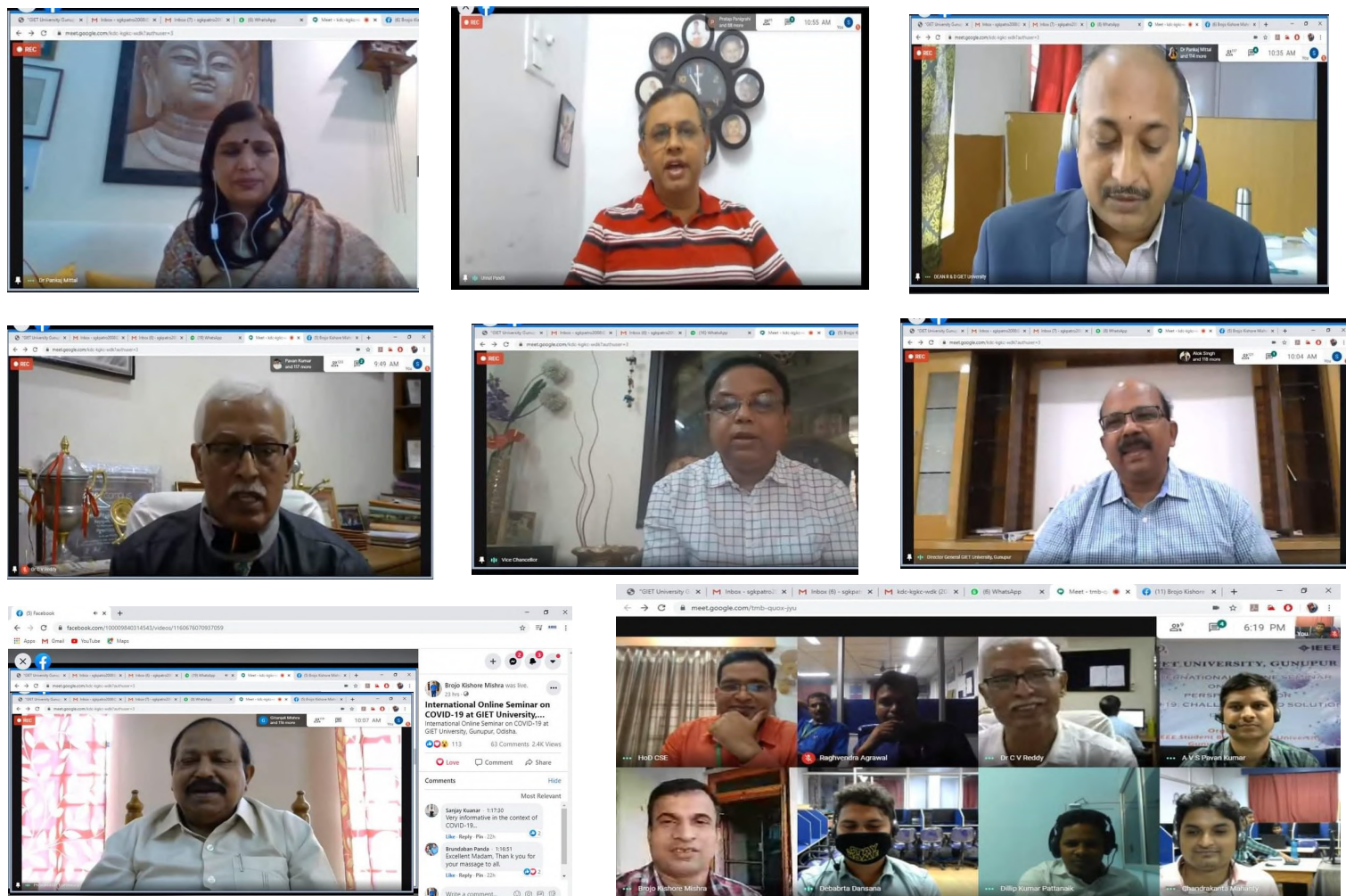
International Online Seminar on Future Perspectives for COVID-19: Challenges and Solutions on 30th May, 2020, organized by Department of Computer Science and Engineering of GIET University, Gunupur -765022, Odisha, India. Organizing such an event at this point of time reinforces our objective of developing an environment for the exchange of ideas towards technological developments. This seminar would be able to deliberate on current issues of national and international relevance, particularly in the field of COVID-19 research. There have been unprecedented numbers of quality papers that are to be presented in the seminar. Prof. (Dr.) Pankaj Mittal, Secretary General, Association of Indian Universities (AIU), New Delhi & Former Vice Chancellor, Bhagat Phool Singh Mahila Vishwavidyalaya, Haryana as the Chief Guest and Dr. Unnat P. Pandit, Program Director, Atal Innovation Mission, NITI Ayog, Govt. of India, Dr. Rajendra P Joshi, Founder & CEO, RI Instruments & Innovation India, Haldwani (Uttarakhand), Founder & CEO, RI Nanotech India, Managing Director, RINZTECH NZ LTD New Zealand, and Dr. Hoang Viet Long, Faculty of IT, People's Police University of Technology and Logistics, Viet Nam as our esteemed keynote speakers for this international online seminar.

3. Board of Studies (BoS) meeting conducted by Department of CSE, GIET University for designing the syllabus for 2020
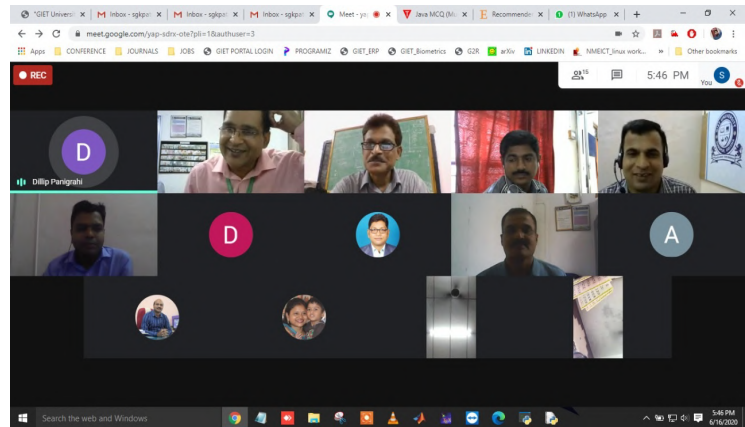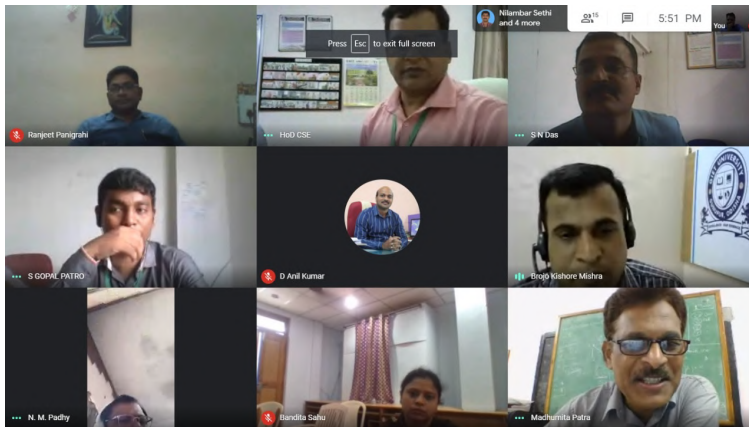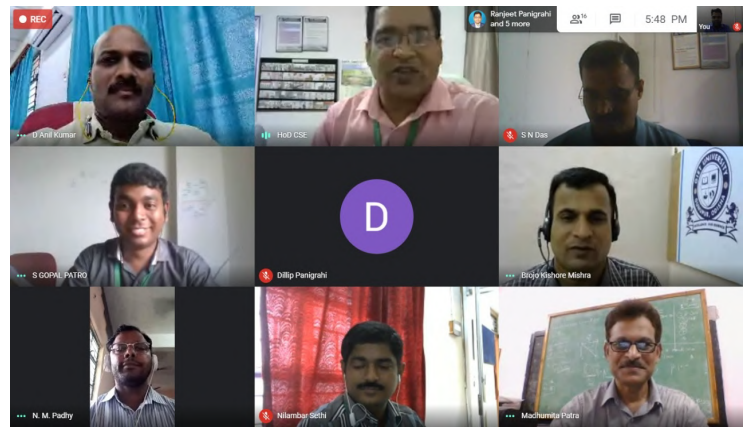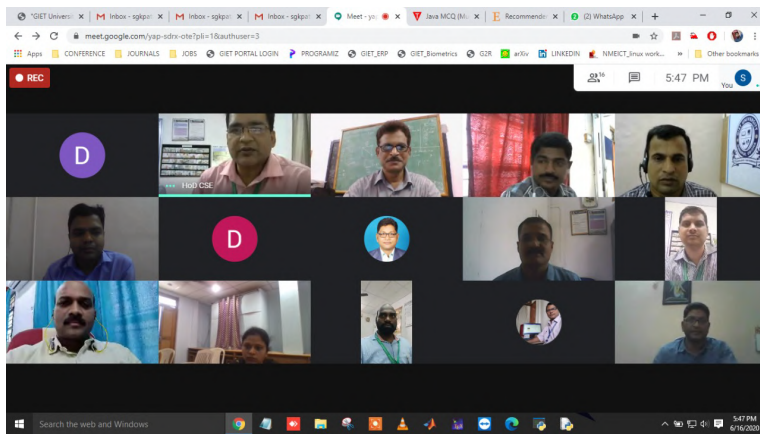
4. Alumni Talk

i. The IEEE Student Branch-GIET University, organized a GIETU Alumni Webinar Series on the topic "Advancements in Low Dimensional Nanomaterials for Various Applications" on 17th May 2020. The Speaker for the talk was, Dr. Kaushik Pal, (Batch:1998-2002), Associate Professor, Department Of Mechanical and Industrial Engineering,Associated Faculty, Centre of Nano Technology, IIT Roorkee, Uttarakhand, India.

ii. The IEEE Student Branch-GIET University, organized a GIETU Alumni Webinar Series on the topic "A Pragmatic view of Computational Intelligence in Large Database" on 24th May 2020. The Speaker for the talk was, Prof. Bhawani Shankar Prasad Mishra, (Batch:1999-2003), Dean, School of Computer Engineering, KIIT Deemed to be University, Bhubaneswar, Odisha, India.

iii.   The IEEE Student Branch-GIET University, organized a GIETU Alumni Webinar Series on the topic "SAP role in IT Industry" on 31st May 2020. The Speaker for the talk was, Mr. D.K. Diwakar, (Batch:1999-2003), SAP BI HANA Process Consultant,Program Project Manager, NKT Cables GMBH, Germany.
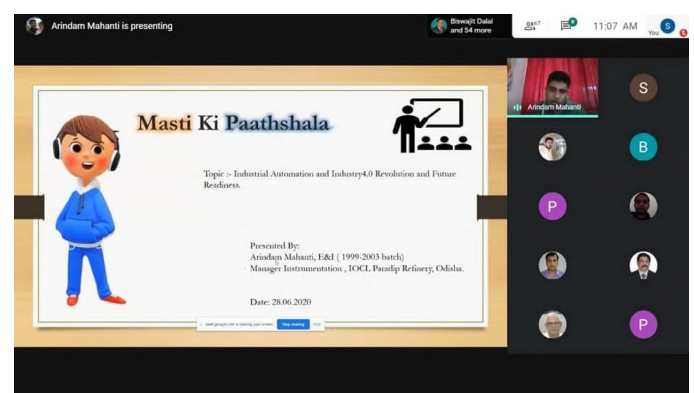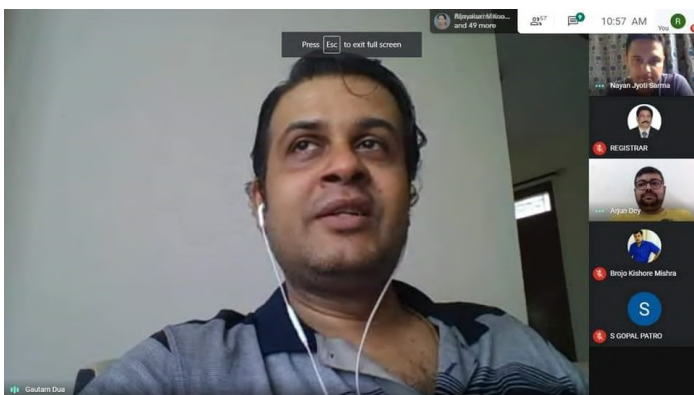
iv.   The IEEE Student Branch-GIET University, organized a GIETU Alumni Webinar Series on the topic "IPMC & It's Application" on 7th June 2020. The Speaker for the talk was, Dr. Srijan Bhattacharya, Assistant Professor, Applied Electronics and Instrumentation Engineering, RCC Institute of Information Technology, Kolkata, India.
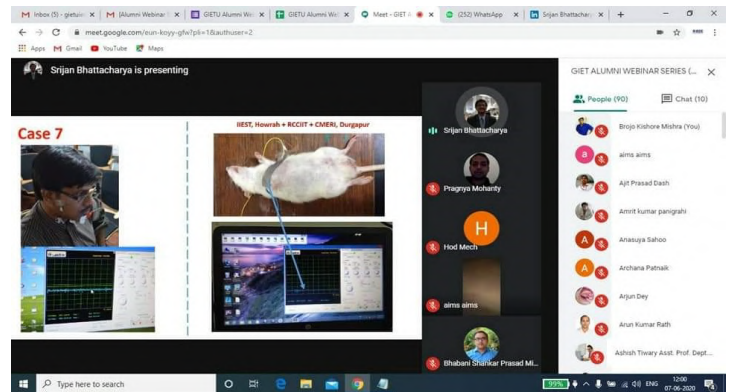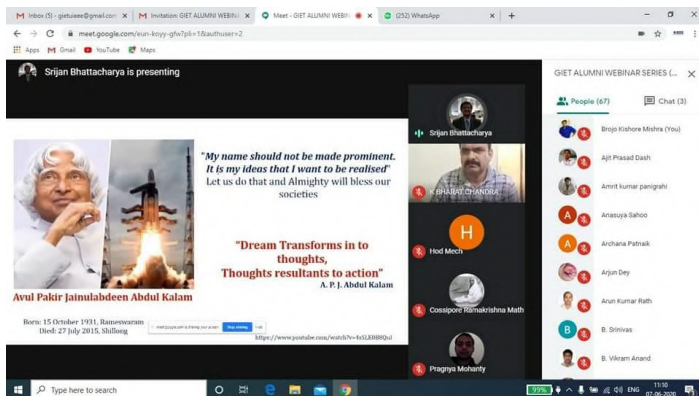
v.   The IEEE Student Branch-GIET University, organized a GIETU Alumni Webinar Series on the topic "Role of Supply Chain in Retail Industry" on 14th June 2020. The Speaker for the talk was, Mr. Pragnya Prabir Mohanty, Associate Consultant,Tata Consultancy Services Limited, Kolkata, India.

vi.   The IEEE Student Branch-GIET University, organized a GIETU Alumni Webinar Series on the topic "Understanding Railway and Rolling Stock" on 21st June 2020. The Speaker for the talk was, Mr. Gautam Dua, (Batch:1999-2003), Rolling Stock(Design), National High Speed Rail Corporation Ltd., New Delhi, India.

vii.   The IEEE Student Branch-GIET University, organized a GIETU Alumni Webinar Series on the topic "IoT, Industrial Automation and Future Scope" on 28th June 2020. The Speaker for the talk was, Mr. Arindam Mahanti, (Batch:1999 2003),Manager (Instrumentation), Indian Oil Corporation Ltd., Refinery Division, India.

5. Expert Talks Conducted By Computer Science Department

The Department of Computer Science and Engineering, GIET University organized a series of Expert Talk on Research Methodology ,Scope of IoT, Covid-19, Data Science ,Cloud and Fog Computing. Many renowned speakers delivered their talk on the different topics related to research. They focused on how to conduct a research and how to write a good research paper. They explained the step by step process starting from how to get good research article to where to publish a journal. The entire series of lectures are really helpful for a beginner. Here , the list contained the topics delivered by distinguished guests.

Date & Time	Topic	Delivered by
01/05/2020 (9:30 AM - 11:30 AM)	Art of Writing Research Paper	Dr. D. Jude Hemanth, Karunya Institute of Technology and Science, Coimbatore, Tamilnadu, India.
01/05/2020 (12:00 PM - 01:00 PM)	"Covid-19 Data to Learn Data Science Lessons"	Dr. Neha Sharma, Founder Secretary, Society of Data Science, India
02/05/2020 (8.30 AM - 10.30 AM)	"Video Analytics for surveillance IoT Applications"	Dr.Supavadee Aramvith, Department of Electrical Engineering, Chulalongkorn University, Thailand
04/05/2020 (3.00 PM – 5.00 PM)	A Multimodal Effective Teaching approach for E-learning for Higher Education	Dr. Abhisek Kumar, Asst. Prof., Course Coordinator "Animations" (NPTEL/SWAYAM), Institute of Science, Banaras Hindu
05/05/2020 (2.00 PM – 4.00 PM)	From Grid to Fog(gy) Cloud in the Internet of Things	Dr.Marcin Paprzycki, Associate Professor, Systems Research Institute, Polish Academy of Sciences, Poland
06/05/2020 (4.00 PM – 5.00 PM)	Economics of Pedimics	Dr.Aman Agarwal, Professor of Finance, Dean & Director(Rektor), Indian Institute of Finance, 45 A Knowledge Park III, Post Bag No 1, Greater Noida, Uttar Pradesh 201308, India
11/05/2020 (11.00 AM - 12.00 PM)	National Technology Day	Dr. C. Venkataraman Reddy, Dean SoE&T, GIET University, India
15/05/2020 (10.30 AM - 11.30 AM)	Covid-19:The Science & It's Future	Prof.(Dr.) Goutam Ghosh, Vice Chancellor, GIET University, India.

6. Two Days FDPs on Research Methodology

Date & Time	Topic	Delivered by
27/04/2020 (8.30 AM – 10.30 AM)	Funding opportunities for Scientists and Engineers in India	Dr. JBV Subrahmanyam, GIET University, India
28/04/2020 (8.30 AM -10.30 AM)	Research Methodology Design & Process	Dr.C. Venkataramana Reddy, Dean SoE&T, GIET University, India

7. Two Days workshop on Research Methodology

Date & Time	Topic	Delivered by
29/04/2020 (8.30 AM -10.30 AM)	Workshop on Research Methodologies	Prof. Binh Thai Pham, Department of Geotechnical Engineering, University of Transport Technology, Viet Nam
30/04/2020 (11.00 AM – 12.00 PM)	Stop Plagiarism	Prof. Brojo Kishore Mishra, Department of CSE, GIET University, India
30/04/2020 (8.30 AM – 10.30 AM)	Writing a Research Paper	Prof. Bharat Bhusan, Managing Director(Gate villa) & Assistant Professor, HMRITM, New Delhi, India

8. The IEEE Student Branch- GIET University, Gunupur organized a "COVID-19 General Awareness Quiz" from 11th April 2020 to 13th April 2020.

9. The IEEE Student Branch- GIET University, Gunupur organized a "COVID-19 Online Debate Competition" from 25th May 2020 to 26th May 2020.

10. The Department of Computer Science and Engineering, GIET University celebrated "World Intellectual Property Day Celebration " on 26th April 2020. The invited Speaker for that day was, Dr. Bijay Kumar Sahu, Regional Manager (IPFC & TISC), NRDC, GoI. He delivered his talk on the topic "Intellectual Property and Technological Innovation in COVID-19 and Role of University R&D spill Over for societal Benefits".

11. Two days Python Workshop for the batch 2019-23 successfully organized by Data Science club and IEEE student branch of GIET University during 27-28 January 2020.

PUBLICATIONS

1. Patro, S.G.K., Mishra, B.K., Panda, S.K., Kumar, R., Long, H.V., Taniar, D. and Priyadarshini, I., 2020. A Hybrid Action-Related K-Nearest Neighbour (HAR-KNN) Approach for Recommendation Systems. IEEE Access, 8, pp.90978-90991.

2. Sivaramaraju, V., Sethi, N. and Rajender, R., 2020. Heuristics for Winner Prediction in International Cricket Matches. Statistics, Optimization & Information Computing, 8(2), pp.602-609.

3. Reddy, S.S., Sethi, N. and Rajender, R., 2020. Mining of multiple ailments correlated to diabetes mellitus. Evolutionary Intelligence, pp.1-8.

4. Kumar, A. and Sahu, D., E-Governance Services: Issues & Challenges of VLES of Common Service Centers of Rayagada District of Odisha.

5. Tuan, L.M., Son, L.H., Long, H.V., Priya, L.R., Soundar, K.R., Robinson, Y.H. and Kumar, R., 2020. ITFDS: Channel-Aware Integrated Time and Frequency-Based Downlink LTE Scheduling in MANET. Sensors, 20(12), p.3394.

6. Vijarania, M., Jaglan, V. and Mishra, B.K., 2020. The Modelling of an Energy Efficient Algorithm Considering the Temperature Effect on the Lifetime of a Node in a Wireless Network. International Journal of Grid and High Performance Computing (IJGHPC), 12(2), pp.87-101.

7. Patro, S.G.K., Mishra, B.K., Panda, S.K., Kumar, R. and Long, H.V., Knowledge-based preference learning model for recommender system using adaptive neuro-fuzzy inference system. Journal of Intelligent & Fuzzy Systems, (Preprint), pp.1-15.

8. Padhy, N., Kumar, R., Satapathy, S. and Raju, K.S., An automation API for authentication and security for file uploads in the cloud storage environment. Intelligent Decision Technologies, (Preprint), pp.1-15.

9. Babu, P.S. and Panda, B.S., 2020, March. Light Weight Security and Authentication in Wireless Body Area Network (Wban). In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-7). IEEE.

10. Patnaik, R., Padhy, N. and Raju, K.S., A Systematic Survey on IoT Security Issues, Vulnerability and Open Challenges. In Intelligent System Design (pp. 723-730). Springer, Singapore.

11. Dansana, D., Kumar, R., Bhattacharjee, A., Hemanth, D.J., Gupta, D., Khanna, A. and Castillo, O., 2020. Early diagnosis of COVID-19-affected patients based on X-ray and computed tomography images using deep learning algorithm. Soft Computing, pp.1-9.

PUBLICATIONS

12. Deli, I., Long, H.V., Son, L.H., Kumar, R. and Dey, A., New expected impact functions and algorithms for modeling games under soft sets. Journal of Intelligent & Fuzzy Systems, (Preprint), pp.1-10.

13. Shial, R.K., Gouda, B.S., Pattanaik, S.R. and Sethi, N., 2020, March. A Centralized Faulty Node Detection Algorithm Based on Statistical Analysis in WSN. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-6). IEEE.

14. Narayana, K.L., Gouda, B.S., Mishra, T.K. and Sethi, N., 2020, March. Nearest Neighbor outlier detection Algorithm for Distributed WSN. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-6). IEEE.

15. Sahu, P.K., kumar Sahoo, R., Sethi, N. and Sethi, S., 2020, March. Emotion Classification Based On EEG Signals In a Stable Environment. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-5). IEEE.

16. Patro, S.P., Padhy, N. and Chiranjevi, D., 2020. Ambient assisted living predictive model for cardiovascular disease prediction using supervised learning. Evolutionary Intelligence, pp.1-29.

17. Dansana, D., Kumar, R., Das Adhikari, J., Mohapatra, M., Sharma, R., Priyadarshini, I. and Le, D.N., 2020. Forecasting Confirmed and Fatalities Cases of COVID-19 Outbreak. Frontiers in Public Health, 8, p.592.

18. Vetukuri, V.S., Sethi, N. and Rajender, R., 2020. Generic model for automated player selection for cricket teams using recurrent neural networks. Evolutionary Intelligence, pp.1-8.

19. Sahu, B., Parida, P., Parida, A.K. and Mishra, S.K., 2020, March. Token based data security in inter cluster communication in wireless sensor network. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-6). IEEE.

20. Sahoo, A. and Senapati, R., 2020, January. A Boolean Load-Matrix Based Frequent Pattern Mining Algorithm. In 2020 International Conference on Artificial Intelligence and Signal Processing (AISP) (pp. 1-5). IEEE.

21. Patnaik, A., Panigrahi, R. and Padhy, N., 2020, March. Prediction Of Accuracy On Open Source Java Projects Using Class Level Refactoring. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-6). IEEE.

22. Dansana, D., Kumar, R.,Bhattacharjee, A., Hemanth, D.J., Gupta, D., Khanna, A.,and Castillo, O. , 2020, Early diagnosis of COVID-19-affected patients based on X-ray and computed tomography images using deep learning algorithm, Nature Public Health Emergency Collection,PMC7453871, Soft comput. (pp 1–9) .

PUBLICATIONS

23. Dansana, D., Kumar, R., Adhikari, J.D., Mohapatra, M., Sharma, R., Priyadarshini, I. and Le, D.N., 2020. Global Forecasting Confirmed and Fatal Cases of COVID-19 Outbreak Using Autoregressive Integrated Moving Average Model. Frontiers in Public Health.

24. Dansana, D., Adhikari, J.D., Mohapatra, M. and Sahoo, S., 2020, March. An approach to analyse and Forecast Social media data using Machine Learning and Data Analysis. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-5). IEEE.

25. Gomathy, V., Padhy, N., Samanta, D., Sivaram, M., Jain, V. and Amiri, I.S., 2020. Malicious node detection using heterogeneous cluster based secure routing protocol (HCBS) in wireless adhoc sensor networks. Journal of Ambient Intelligence and Humanized Computing, pp.1-7.

26. Salimath, N., Mallappa, S., Padhy, N., & Sheetlani, J. (2020). Scrambling and Descrambling of Document Image for Data Security in Cloud Computing. In Smart Intelligent Computing and Applications (pp. 283-290). Springer, Singapore.

27. Das, N., Padhy, N, Chakraborty, S., Chaki, J.,., & Dey, N. (2020). Fundamentals, present and future perspectives of speech enhancement. International Journal of Speech Technology, 1-19.

28. Padhy, N., & Satapathy, S. C. (2020). Digital Advancement in AgriTech by Using Evolutionary Techniques. In Smart Intelligent Computing and Applications (pp. 361-368). Springer, Singapore.

29. Nayak, D. R., Padhy, N., & Swain, B. K. (2020). Blood cell image segmentation using modified fuzzy divergence with morphological transforms. Materials Today: Proceedings., Elsevier

30. Padhy, N. (2020). An automation API to optimize the rate of transmission using rclone from local system to cloud storage environment. Materials Today: Proceedings., Elsevier

31. DASA, N., MONDAL, A., CHAKI, J., & PADHY, N. (2020). Machine Learning Models for Bird Species Recognition Based on Vocalization: A Succinct Review. Information Technology and Intelligent Transportation Systems, 323, 117.,IOS Press

32. Farooq, R., Hassan, G., Padhy, N., Peerzad, S. A., & Ismail, A. (2020, March). The Utilization of Information And Communication Technology (ICT) In the MSME's of the J&K, with its Impacts. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-6). IEEE., Conference

33. Patro, S. P., Patel, P., Senapaty, M. K., Padhy, N., & Sah, R. D. (2020, March). IoT based Smart Parking System: A Proposed Algorithm and Model. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-6). IEEE.

PUBLICATIONS

34. Sah, R. D., Padhy, N., Dutta, R. R., & Mohapatra, A. K. (2020, March). Cluster Based Analysis for Google YouTube Videos Viewers. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-5). IEEE.

35. Nayak, G., Padhy, N., & Mishra, T. K. (2020, March). Mining of EEG Signals for Interpretation of Human Brain Related Ailments: A Survey. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-7). IEEE.

36. Padhi, D. K., Padhy, N., & Mishra, J. (2020, March). Intraday Stock Prices Forecasting Using an Autoregressive Model. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-6). IEEE.

37. Patnaik, R., Krishna, K. S., Patnaik, S., Singh, P., & Padhy, N. (2020, March). Drowsiness Alert, Alcohol Detect and Collision Control for Vehicle Acceleration. In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-5). IEEE.

38. Peerzada, S. A., Padhy, N., Sheetlani, J., & Hassan, G. (2020, March). Predict the Performance of Students and School on Educational Database (U-DISE). In 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA) (pp. 1-6). IEEE.

39. Padhy, N., Mishra, R. K., & Mishra, S. (2020). Archival solution API to upload bulk file and managing the data in cloud storage. International Journal of Intelligent Defence Support Systems, 6(1), 35-59. (DBLP) Journal

BOOK CHAPTERS

1. Rojalina Priyadarshini, Rabindra Kumar Barik, Brojo Kishore Mishra, book chapter "Meta-Heuristic and NonMeta-Heuristic Energy-Efficient Load Balancing Algorithms in Cloud Computing" in "Modern Principles, Practices, and Algorithms for Cloud Security", pp:203-222, DOI: 10.4018/978-1-7998-1082-7.ch010, IGI Global publisher, 2020.

2. Soumitra Ghosh and Brojo Kishore Mishra, book chapter on "Parts-of-Speech Tagging in NLP: Utility, Types, and Some Popular PoS Taggers" in book "Natural Language Processing in Artificial Intelligence", 1st edition, ISBN 9781771888646, Published in April 2020.

3. Chandrakanta Mahanty, Devpriya Panda, and Brojo Kishore Mishra, book chapter on "Use of Machine Learning and a Natural Language Processing Approach for Detecting Phishing Attacks" in book "Natural Language Processing in Artificial Intelligence", 1st edition, ISBN 9781771888646, Published in April 2020.

4. Patnaik, R., Padhy, N. and Raju, K.S., A Systematic Survey on IoT Security Issues, Vulnerability and Open Challenges. In Intelligent System Design (pp. 723-730). Springer, Singapore.

5. Patnaik, R., Raju, K.S. and Sivakrishna, K., Internet of Things-Based Security Model and Solutions for Educational Systems. In Multimedia Technologies in the Internet of Things Environment (pp. 171-205). Springer, Singapore.

6. Bishwa Ranjan Das and Brojokishore Mishra, book chapter on "Role of Computational Intelligence in Natural Language Processing" in book "Natural Language Processing in Artificial Intelligence", 1st edition, ISBN 9781771888646, Published in April 2020.

7. Sushree Bibhuprada B. Priyadarshini, Amiya Bhusan Bagjadab, and Brojo Kishore Mishra, book chapter on "A Brief Overview of Natural Language Processing and Artificial Intelligence"in book "Natural Language Processing in Artificial Intelligence", 1st edition, ISBN 9781771888646, Published in April 2020.

8. Sambit Kumar Mishra, Brojo Kishore Mishra, Prasad Suman Sourav, book chapter on "Role of Machine Learning and Application toward Information Retrieval in Clouds" in book "Natural Language Processing in Artificial Intelligence", 1st edition, ISBN 9781771888646, Published in April 2020.

9. Chandrakanta Mahanty, Brojo Kishore Mishra, book chapter on   Medical data analysis in eHealth care for industry perspectives: applications, in book An Industrial IoT Approach for Pharmaceutical Industry Growth: Volume 2 , Academic Press, May 2020.

BOOK CHAPTERS

10. Sushruta Mishra, Brojo Kishore Mishra, Hrudaya Kumar Tripathy, Arijit Dutta, book chapter on Analysis of the role and scope of big data analytics with IoT in health care domain   in book Handbook of Data Science Approaches for Biomedical Engineering , Academic Press, Jan 2020.

11. Debabrata Dansana,"Application and Challenges of IoT in Healthcare", Book titled Handbook of IoT and Blockchain Methods, Solutions, and Recent Advancements, ISBN 9780367422455, by CRC Press.

12. Debabrata Dansana , "IOT": Bright future in Healthcare Industry, Book titled Handbook of IoT and Blockchain Methods, Solutions, and Recent Advancements, ISBN 9780367422455, by CRC Press.

13. Padhy, N., Singh, S. K., Kumari, A., & Kumar, A. (2020). A Literature Review on Image and Emotion Springer, Singapore.

14. Padhy, N., Panda, A., & Patro, S. P. (2020). A Cyclic Scheduling for Load Balancing on Linux in Multi-core Architecture. In Smart Intelligent Computing and Applications (pp. 369-378). Springer, Singapore.

BOOK DETAILS

1. Brojo Kishore Mishra, Raghvendra Kumar, "Natural Language Processing in Artificial Intelligence", Hard ISBN: 9781771888646, Pub Date: April 2020, Apple Academic Press Inc.,
   http://www.appleacademicpress.com/natural-language-processing-in-artificial-intelligence-/9781771888646

2. Sanjay K. Kuanar, Brojo Kishore Mishra, Sheng-Lung Peng, Daniel D. Dasig, Jr., "Role of IoT and Blockchain: Techniques and Applications", ISBN: 9781771889148, Pub Date: Aug 2020, Apple Academic Press Inc.,
   http://www.appleacademicpress.com/role-of-iot-and-blockchain-techniques-and-applications/9781771889148

3. Brojo Kishore Mishra, Sanjay Kumar Kuanar, Sheng-Lung Peng, Daniel D. Dasig, Jr., "Handbook of IoT and Blockchain : Methods, Solutions, and Recent Advancements", CRC Press, ISBN 9780367422455
   https://www.routledge.com/Handbook-of-IoT-and-Blockchain-Methods-Solutions-and-RecentAdvancements/Mishra-Kuanar-Peng-Jr/p/book/9780367422455

PATENTS PUBLISHED

Application No – 202011007560, Date of publication – 06/03/2020

STUDENT ACHIEVEMENT

Batch-(2019-2023)

1. K SHREEKAR PATRA
- 1st position in paper presentation in GIET
- Got a achievement certificate from basic C programming from spoken tutorial by IIT Bombay.

2. RASHMI KUMARI SAHOO
- IBM CERTIFIED PYTHON FOR DATASCIENCE
- IBM CERTIFIED MACHINE LEARNING WITH PYTHON
- DELOITTE VIRTUAL INTERNSHIP
- A+ GRADE IN NLP BY CODE WARRIORS
- INTERNATIONAL QUIZ ON APPLICATION OF ARTIFICIAL INTELLIGENCE
- MINISTRY OF EDUCATION
- SMART INDIA HACKATHON 2020
- WORKSHOP ON INTRODUCTION TO DEEP LEARNING (GIET UNIVERSITY)
- HACKER RANK INTERMEDIATE IN C

3. MAYANK MOHAK
- Qualified tcs CODE VITA 2020 pre qualifier round.
- Qualified for final round in coding contest organized by IEEE RAS KERALA subdivision.
- Last year hashcode rank was 10488th place in the Hash Code 2020 online Qualification Round February 20th, 2020
- Attended microsoft AI learning series beginners a lot of new thing learned
- "Predict the Output Quiz" in "C/C++ Language" and was in top 10 rank among 156.
- Currently 3 star on codechef a competitive coding platform and I am regular in every contest there.
- Regularly participate in every contest on hackerrank and also learned dsa and C/C++ by solving questions there.
- Attended workshop of data science club in GIET UNIVERSITY.
- Attended solar ambassador project workshop and made a lamp as taught.

4. ABHISHEK JHA
- Secured the First Position for Recitation in the event "Poetry and Shayari" held at GIET University on the occasion of NSS DAY.
- Successfully completed the training in C Language organized by Spoken Tutorial Project, IITB and scored an 80% in the C Language Certification Test.
- Successfully Completed the "Fundamentals of Digital Marketing Certification Exam" by Google Digital Garage.

STUDENT ACHIEVEMENT

Batch-(2019-2023)

5. ADITI KUMARI
- Got NPTEL certificate in Joy of computing using Python.
- Completed "Career Edge Knockdown the Lockdown" from TCS ION.
- Open source contribution to the BWLU(Build with Lets Upgrade) Project.
- Web Development Project from Coursera.
- Command line and git from Progate Learning.
- Javascript course from Guvi Learning.
- Data Structures and Algorithm from Udemy.
- C++ programming from Argus Academy as a Vocational training.
- Java programming from Argus Academy as a vocational training.
- MYSQL from Guvi Learning.

6. MUSKAN KUMARI
- Workshop of python, certified by IEEE
- 3rd position in cricket tournament
- Workshop of IOT
- Secured 3rd position in district in Hindustan Olympiad
- Got PHP training

7. ABHISEK PATEL
- Runner-up/Second Position in GIETU Innovation Challenge 1.0
- Best Candidate/Best Coder at Teckat (Home Automation) Workshop
- Student Coordinator at GIETU Tech Fest - 1

8. SAMMETLA CHAITANYA KUMAR
- Nptel course completion

9. ABHIJIT SAHOO
- Udemy- html,css,javascript by youAccel
- Web development course –udemy

10. ADARSH KUMAR GUPTA
- Completed Adobe photoshop course from teckat
- Completed Data Science certification from udemy

11. T PAVAN KALYAN
- International conference from indira Gandhi institute of technology sarang
- Online technical quiz contest on national engineering's day

STUDENT ACHIEVEMENT

Batch-(2019-2023)

12. SOUMYA DARSHAN PADHY
- MICROSOFT CERTIFIED FOR PYTHON PROGRAMMING
- IBM CERTIFIED FOR MACHINE LEARNING IN PYTHON
- IBM CERTIFIED PYTHON FOR DATA SCIENCE
- MASTER IN WEB DEVELOPMENT
- COMPLETED A VIRTUAL INTERNSHIP FROM DELOITTE
- NIT ROURKELA CERTIFIED FOR BASIC ETHICAL HACKING
- Post Graduate Diploma in Computer Application (A GRADE)
- Secured A+ Grade in Natural Language Processing (Code Warriors)
- QUALIFIED ROUND 1 in NEO
- Self Learned Web Developer, Android Developer.

13. DEBIDATTA ROUT
- Python Done by – guvi On -31st March 2020
- Python programming workshop Done By - Data Science club , GIETU ON- 23rd to24th Jan 2020
- Online Quiz Organised by GIETU ON- 19th may 2020

14. HIMANSHU BISOYI
- Python Workshop
- National level Online Quiz Basics of Electronics

15. JAGANNATH PAL
- "Career Edge - Knockdown the Lockdown" online course offered by TCS iON
- "E-learning program on Machine Learning" online course offered by TATA STEEL
- World Environment Day Quiz competation conducted by GIET UNIVERSITY
- National Webinar on " Challenges of Energy for sustainable Development "
  conducted by GIET UNIVERSITY
- "DIGITAL SKILLS: ARTIFICIAL INTELLIGENCE" online course offered by ACCENTURE
- online QUIZ COMPETITION conducted by GIET UNIVERSITY

16. MAYANK GUPTA
- Career Edge - Knockdown the Lockdown online course offered by TCS iON
- Participated in national level online coding competition organized by IEEE
- Completed the fundamental of digital marketing by Google
- Completed the Cisco Networking Academy Introduction to IoT course
- Qualified for round 1 of national engineering olympiad 3.0

STUDENT ACHIEVEMENT

Batch-(2019-2023)

17. MD SAHID RAZA
- Student Solar Ambassador
- World Telecommunication Day
- Edmount E-bike
- IEEE Python workshop
- Automation Anywhere
- TCS Ion Career Edge

18. KISHAN CHANDRA HALDAR
- Shutter up, won 1st prize , GIETU Tech fest 2020,at GIETU ,on 22 Dec of 2019
- Microsoft A.I azure classes
- Verzeo cybersecurity online course by Microsoft
- IoT workshop

19. BALLA BHARGAV
- Online quiz competition conducted by GIETU.
- Online quiz competition conducted by GIETU.
- Ita cyber security conference conducted world wide during the covid situation and to explore the cyber security and stay safe online.

20. DINESH KUNDO
- International conference on Machine learning, Internet of things and Big data (ICMIB 2020)
- Pre-conferenc certificate of International conference on Machine learning, Internet of things and Big data (ICMIB 2020)
- Webinar on stock markets by shine Project
- Certificate for taken the pledge of " jan andolon Covid-19 appropriate behaviour "
- Certificate for completing a training course on FINANCIAL MARKETS and gaining expertise on share markets, Mutual funds, Insurance, Banking concepts
- Certificate for active participation in Industrial Webinar on E-bikes organized by EDMOUNT-PUNJAB
- Certificate for active participation on Covid-19 awareness quiz organized by IEEE Student Branch-GIETU gunupur
- Certificate for completing two days workshop on Python conducted by DATA SCIENCE CLUB in association with IEEE Student Chapter, GIETU
- Certificate for participation of world environment day quiz organized by REAL REEL MEDIA CLUB-GIETU gunupur
- Covid -19 awareness quiz organized by IEEE Student Branch GIETU

STUDENT ACHIEVEMENT

Batch-(2019-2023)

21. ABHISHEK SAHOO
* Winner with cash prize in Online Quiz Competition by Energy Club of GIET University on World Environment Day (05/06/2020)
* TCS ION – Career Edge Knockdown the Lockdown
* Future Learn Digital Skills AI by Accenture
* National Webinar on " Challenges of Energy for sustainable Development " by SESI
* COVID-19 awareness quiz
* Industrial Webinar on "E-Bike" by Edmount India
* C test by Spoken Tutorial Project, IIT Bombay

22. SOURAV KUMAR
* Certificate for Completion of C.Training and This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.
* Certificate for participating in "international conference on recent trends in IOT and BLOCK CHAIN".
* Certificate for completing the course Hello Bot: Introduction To RPA
* Certificate for completing the course "Break the ICE: An introduction to creating your first bot".
* IEEE certificate for successfully completion of two day's workshop on "python" conducted by DATA SCIENCE CLUB.
* IEEE certificate for actively participating in"COVID-19 Awareness Quiz Competition".
* Certificate for participating in the "E-Quiz on Basic Electrical" conducted by the Department of Electrical and Electronics Engineering,
* Certificate for participating in "e-Quiz on Physics" conducted by the Department of Electronics & Communication.
* Certificate for outstanding efforts in participating the online quiz contest in the view of world environment day.

23. PRATYASHA PRIYAMBADA
* Certificate of completion of Workshop on Logo Designing held by Teckat Services PVT. LTD for 2 days on 5th June 2020 and 6th June 2020
* Certificate of appreciation for completion of Online Quiz on C programming held on 10th September 2020 by IEEE student branch, Sanjibani college of Engineering, Kopargaon, Maharashtra by securing 93%.

24. GUDLA SAI CHAITANYA
* General awareness quiz
* Online quiz on C programing
* Online quiz competition by NSS RAIPUR

STUDENT ACHIEVEMENT

Batch-(2018-22)

1. JIGYASHU SURAJ(18CSE176/1801210195)

• Completed 1 month internship as a software developer Internship in Corporate Infotech Private Limited .
• Got 3rd rank in all odisha in the coding compitition of programming essential for python(Codathon) that is provided by CISCO .
• Selected for the Inobuiiz hackathon organised by E-cell VSSUT burla in collaboration with TEQUIP-111 .
• Earned the tag of Notebook expert, dataset expert and discussion expert in kaggle website by practicing the projects of data science .
• Collected total 12 badges from IBM by doing various courses sponsered by IBM through coursera and cognitive classes .
• Internship of Machine learning from the TCET Mumbai during the student exchange program .
• Internship of virtual experience platform that is provided by Microsoft .
• Succesfully completed the Digital Marketing course from Google .

2. SANSKRUTI PANDA(18CSE103/1801210394)

• Earned the tag of Notebook expert, dataset expert and discussion expert in kaggle website by practicing the
  projects of data science .
• Collected total 12 badges from IBM by doing various courses sponsered by IBM through coursera and cognitive classes .
• Internship of Machine learning from the TCET Mumbai during the student exchange program .
• Internship of virtual experience platform that is provided by Microsoft .
• Succesfully completed the Digital Marketing course from google .

3. V V SRIVATSHA(18CSE189/1801210532)

• Cleared the first round of TCS CodeVita 2020 with a global rank of 6055.
• Cleared the final round of National Level Online Coding Competition organized by Giet Unviersity and IEEE BBSR in association with HackerRank.
• Selected as finalist for Code in Lockdown organized by IEEE Kerala and HackerRank.

4. SWAGAT KUMAR TRIPATHY(18CSE071/1801210508)

• Completed Programming With Python Training From Internshala
• Completed Java Training From Spoken Tutorial
• Completed Machine Learning Training From Internshala

STUDENT ACHIEVEMENT

Batch-(2017-21)

1. **ABHISHEK DAS(17CSE005/ 1701210178)**

   - PLACED AT JARO EDUCATION (6.6Lacs Per Anum)
   - PLACED AT F13 Technologies

2. **ADITYA SINGH(17CSE058/ 1701210246)**

   - Cracked TCS CodeVita Season 9
   - Got Job Offer from TCS after successfully qualifying all round

3. **AVINASH KUMAR SINGH(17CSE141/ 1701210332)**

   - Consequently cleared TCS Codevita season 7,8,9. With the best rank 72 in codevita season, 8 round 2 and Hence secured an Internship form Jun 2020 to Jan 2021
   - Secured SES Internship at Infosys HackWithinfy
   - Developed 4 mobile apps
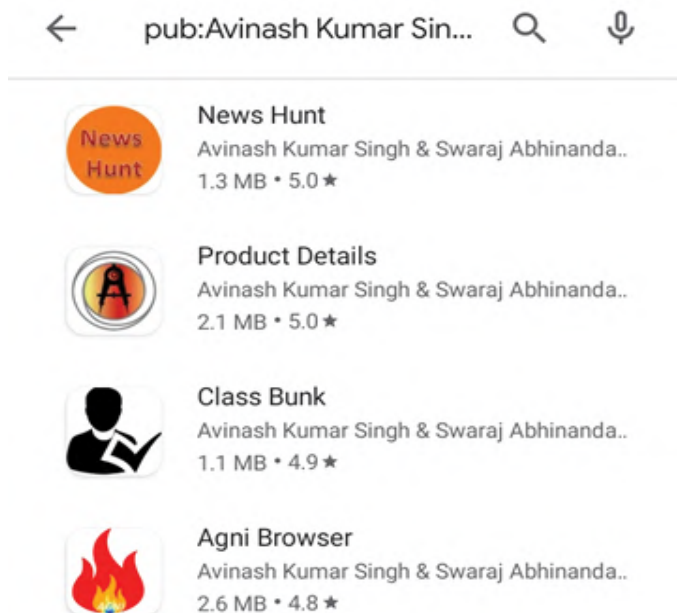
STUDENT ACHIEVEMENT

M.Tech.(2019-21)

1. PRANAYA POURNAMASHI PATRO(19MTCS003/1907030003)

- Paper presented at ICMIB-2020 titled as "Advanced Binary matrix based Frequent Pattern Mining Algorithm".

2. PRATISTHA MISHRA(19MTCS002/ 1907030002)

- Achieved the certificate on IOT (Industrial Automation and Future Scope)

3. PRATIBHA JYOTI NEGI(19MTCS022/ 1907030022)

- Attended webinar talk on " a pragmatic view of computational intelligence in large database "

4. ELIZA SANCHEJ SENAPATI(19MTCS009/ 1907030009)

- Participated for android workshop
- Attended 3 day National Level Workshop on IoT with Raspberry Pi
- Participated in 2 days national level seminar on CYBER SECURITY

5. NIHAR RANJAN NATH(19MTCS014/ 1907030014)

- Participated in Covid-19 Awareness Quiz Competition, Organized by IEEE Student branch - GIET University, Gunupur, India
- Certificate of Participation in the webinar entitled " Machine Learning & Deep Learning using MATLAB" held on 30th June 2020 by GIET University, Gunupur in association with ELMAX Systems and Solution, Kolkata

MCA(2019-21)

1. LIPSA MISHRA(19mca002/ 1906220002)

- National Level Online Coding Competition organized by IEEE branch
- Covid-19 Awareness Quiz Competition
- Online Quiz Contest on the Occasion World Environment Day
- IDEATHON organized by Quantum university

2. GOUTAMRAJ SAHU(19mca003/ 1906220003)

- Completed Programming in C++(NPTEL)
- Participated in COVID-19 Quiz
- Participated in Quiz contest in world environment day
- Participated in Quiz contest on National engineer's day

STUDENT ACHIEVEMENT

360° VIRTUAL TOUR

"Experiencing Reality Virtually"

GIET UNIVERSITY, GUNUPUR

Objective

The main motive and objective of this project is to give a virtual world vision to the real world. Here we (Team- INFINITY) students of CSE , developed a 360 ° virtual tour of the esteemed university GIET University, Gunupur. It gives a virtual aspect of each and every view of university which purely satisfies the objective.

Affiliates:

Mr. Debabrata Dansana
Asst. Professor,
CSE Project Mentor & Guide

Sidharth Padhi (CSE-3rd Yr)
Project Designer & Developer

Ashish Tripathy (CSE-3rd Yr)
Designer, Photo Editor & Photoshoots

Arupa Parida (CSE-3rd Yr)
Designer & Photo Editor

Priyanka Pattnaik (CSE-3rd Yr)
Designer of Illustrations (UI)

Naveen Parida (CSE-3rd Yr)
Sound and Video Designer & Collection

Venketesh Panda (CSE-3rd Yr)
Designer and Photo-shoots

TEAM MEMBERS

Academic Exellence

I Year first semester

Registration Number	Name Of The Student	Class & Sec	SGPA	Rank
1901060026	ANIL KUMAR PADHY	I CSE	9.67	1
1901060285	PAWAN KUMAR TIWARI	I CSE	9.48	2
1901060122	M DINESH KUMAR	I CSE	9.48	2
1901060100	KIRAN KUMAR SAHU	I CSE	9.38	3
1901060148	KATHAKOTA BHAVYA	I CSE	9.33	4
1901060316	DIPIKA DIPANNITA CHOUDHURY	I CSE	9.33	4
1901060156	ISSAC NAYAK	I CSE	9.29	5
1901060256	RASHMI KUMARI SAHOO	I CSE	9.29	5
1901060240	VEMURI HEMANTHA KUMAR	I CSE	9.29	5
1901060236	MANAS RANJAN SATAPATHY	I CSE	9.29	5
1901070016	ASHISH KUMAR MANDAL	I CST	9.1	1
1901070018	BIJAYA MEHER	I CST	8.86	2
1901070011	AYUSHMAN DASH	I CST	8.57	3
1901070019	JASWANTA SWAIN	I CST	8.29	4
1901070007	PRAKRUTI MANJARI SWAIN	I CST	8.14	5

II Year third semester

Registration Number	Name Of The Student	Class & Sec	SGPA	Rank
1801210170	G. YESHWANT KUMAR	II CSE A	9.3	1
1801210160	DINKI AGRAWAL	II CSE A	8.61	2
1801210394	SANSKRUTI PANDA	II CSE B	9.17	2
1801210347	RAMESH MAHATO	II CSE B	9.04	2
1801210527	UJJWAL ABHISHEK	II CSE B	9.04	2
1801210083	ARUPA PARIDA	II CSE C	9.3	1
1801210041	AMAN KUMAR	II CSE C	9.09	2
1801210445	SIDDHANT NEGI	II CSE D	9.17	1
1801210317	PREETI SUHANI PRUSTY	II CSE D	9.04	2
1801210413	SATYAM KUMAR SINGH	II IT	8.52	1
180210265	NIKHIL KUMAR	II IT	8.43	2

Academic Exellence

III Year fifth semester

Registration Number	Name Of The Student	Class & Sec	SGPA	Rank
1701210267	SIDDHA NAYAK	III CSE A	8.88	1
1701210062	ABEG PATEL	III CSE A	8.75	2
1701210132	MANAS MOHAPATRA	III CSE A	8.75	2
1701210131	VOONNA SIVANI	III CSE B	9.17	1
1701210316	AMIT KUMAR SETTY	III CSE B	9.08	2
1701210456	MAKARCHAND GOPE	III CSE C	8.88	1
1701210179	MANISHA DEO	III CSE C	8.71	2
1701210321	ASHUTOSH DASH	III CSE C	8.71	2
1701210052	K. SINDHUJA	III IT	8.92	1
1701210095	M. FAKHRUDDIN AHMAD	III IT	8.92	1
1701210049	SWETA KUMARI	III IT	8.54	2
1701210208	UTPREKSHA RANJAN SINGH	III IT	8.54	2

IV Year seventh semester

Registration Number	Name Of The Student	Class & Sec	SGPA	Rank
1601210689	ABHISEK BEHERA	IV CSE A	8.95	1
1601210431	ASHISH RANJAN JHA	IV CSE A	8.91	2
1601210434	GOURAV KUMAR	IV CSE B	9.05	1
1601210480	INDROJEET DUTTA	IV CSE B	8.77	2
1601210619	SUDHANSHU KUMAR SINGH	IV CSE C	8.68	1
1601210778	MD WAQUAS	IV CSE C	8.59	2

PLACEMENT DATA

GOPALCHETTY MANASA
16CSE079
BYJU'S The Learning App

ABHISEK BEHERA
16CSE179

PAWAN KUMAR
16CSE120
MAQ Software

Sl.No.	Company Name	Number Of Students
1.	APPSQUADZ TECHNOLOGIES	1
2.	AKSHYA TELE SERVICE	2
3.	BYJUS	1
4.	CAPGEMINI	2
5.	CITTA SOLUTIONS PVT LTD	1
6.	CAVISSON SYSTEMS INC	44
7.	CGI INC	3
8.	COGNIZANT TECHNOLOGIES	4
9.	COLLABERA INC	1
10.	DREAMTECH	5
11.	E TEAM INFOSERVICES	3
12.	EVINCE DEVELOPMENT	3
13.	GRHAPA SERVICES & SOLUTIONS	1
14.	HEXAWARE TECHNOLOGY	5
15.	INDOTRONIX AVANI	3
16.	INFINITE COMPUTER SOLNS	9
17.	INVENIO BS	2
18.	LIFERAY INDIA PVT LTD	8
19.	MACHSTATZ BUSINESS SOLNS	1
20.	MAQ SOFTWARE	1
21.	MECHLIN SOFTWARE-BDE	9
22.	MEDSAVE HEALTH TPA	3
23.	MILLIMAN INDIA PVT LTD	10
24.	MINDTREE	3
25.	NETWORK LABS INDIA PVT LTD	5
26.	OSMOSYS SOFTWARE	3
27.	PCS GLOBAL PRIVATE LIMITED	2
28.	PINNACLE MARKET ADVISORY PVT LTD	4
29.	QUALITECH GLOBAL	1
30.	SATTRIX INFORMATION	9
31.	SOFT WISDOM	2
32.	TCS CODEVITA	2
33.	TCS NQT	6
34.	TCS DIGITAL	1
35.	TUDIP TECHNOLOGIES	4
36.	WEBKUL SOFTWARE PVT LTD	3
37.	Wipro	1
38.	ZIGNUTS TECHNOLABS	3

TOTAL :   171

EDITORIAL BOARD

HEAD

Prof.(Dr.) Sanjay Kumar Kuanar
HOD, Department of CSE, GIET University.

FACULTY COORDINATORS

Dr. Brojo Kishore Mishra
Professor, Department of CSE,
GIET University

Dr. Raghvendra Kumar
Associate Professor, Department of CSE,
GIET University

Anasuya Sahoo
Teaching Asst., Department of CSE,
GIET University

Archana Patnaik
Teaching Asst., Department of CSE,
GIET University

STUDENT COORDINATORS

Sayan Mandal
CSE- 3rd yr

Soubhick Bhattacharjee
CSE- 3rd yr

Ashish Tripathy
CSE- 3rd yr

Dear Readers,
Namaskar!

On behalf of the Editorial board members, I feel privileged in presenting our department magazine "CS e-patra". It is designed to showcase the talents of our students, faculty members and alumnis. I would like to say that the best support of the GIET University authorities, faculty members, alumni, and students, the department magazine has come alive. I extend my sincere thanks to my colleagues and students for being a part of the editorial board.
All the thinkers, writers, cartoonists can connect with us at csgietu@gmail.com. We are equally open to comments,

Dr. Brojo Kishore Mishra
Professor, Department of Computer Science & Engineering
School of Engineering & Technology, GIET University, Gunupur