

MONTHLY REPORT

**July 2025**

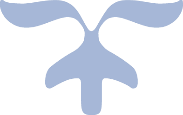
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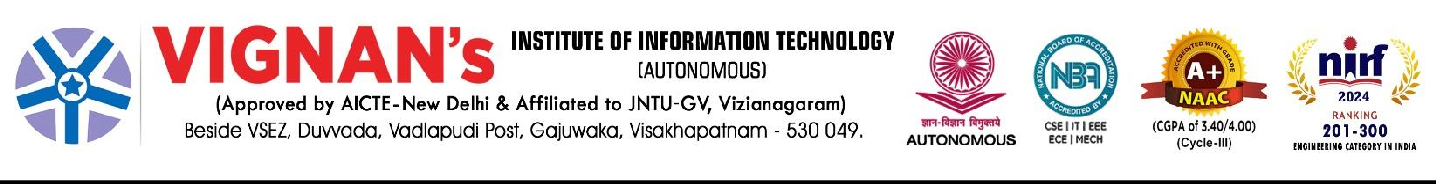


JNTU-GV University

GURAJADA VIZIANAGARAM. DWARAPUDI, VIZIANAGARAM,

ANDHRA PRADESH - 535 003

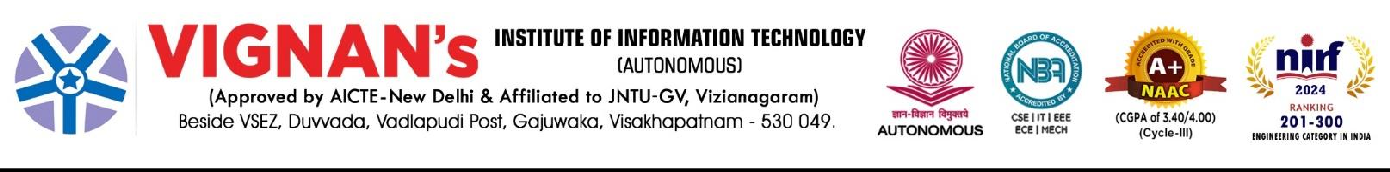




**JNTU-GV Monthly Report**

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| 1. | Activities related to Governance:   1. ACM Meeting. 2. BoS Meetings of CE, EEE, ME, ECE, ECM & AI&DS. | 06 |
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## **INSTITUTE MONTHLY REPORT – June 2025**

**Event Summary**

1. **Activities related to Governance**

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| **S.No.** | **Department** | **Date** |
| 1 | Computer Science and Engineering | 01.07.2025 |
| 2 | Information Technology | 01.07.2025 |
| 3 | Advanced Computer Science and Engineering | 01.07.2025 |
| 4 | Artificial Intelligence and Data Science | 01.07.2025 |
| 5 | Master of Computer Applications | 01.07.2025 |
| 6 | 17th Academic Council Meeting | 10.07.2025 |

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| **S.No.** | **Particulars** | **Image** |
| 1 | **Computer Science and Engineering:**  **External Members:**   * Dr.D. Rajya Lakshmi, Professor, Dept of CSE, JNTU- GV, Vizianagaram. * Dr. S. Vijay Bhaskar, Assistant Professor, Department of CSE, MNIT, Bhopal. * Mr.B.Siva Shankar, Software Engineer, Cap Gemini, Hyderabad. * Mr.K.V.S.P.Akhilesh, Software Engineer, Candela Technologies, Visakhapatnam   **Internal Members:**   * Mr.B.Dinesh Reddy, Head, Department of CSE * Dr. N.Tirupathi Rao, Professor * Dr.S. Naga Mallik Raj, Associate Professor * Dr.Mohan Mahanty, Associate Professor * Dr.Ch. Swapna Priya, Associate Professor * Mrs. A.Usharani, Assistant Professor | C:\Users\VIGNAN\Downloads\WhatsApp Image 2025-07-03 at 14.20.17.jpegC:\Users\VIGNAN\Downloads\WhatsApp Image 2025-07-01 at 16.31.26 (1).jpeg |
| 2 | **Information Technology**  **External Members:**   * Dr. D.Rajya Lakshmi, Professor, Dept of CSE, JNTU- GV, Vizianagaram. * Dr. S. Vijay Bhaskar, Assistant Professor, Department of CSE, MNIT, Bhopal. * Mr.B.Siva Shankar, Software Engineer, CapGemini, Hyderabad * Mr.K.V.S.P.Akhilesh, Software Engineer, Candela Technologies, Visakhapatnam   **Internal Members:**   * Dr.G.Neelima, Head * Dr. B.Prasad, Professor * Mrs. G. Jyothi, Sr. Assistant Professor * Mr.Ch. Srinivasa Reddy, Sr. Assistant Professor * Mrs. G. Mani, Sr. Assistant Professor * Mr.G.Ravi Kumar, Sr. Assistant Professor * Mrs.P.Pavithra, Sr. Assistant Professor * Mrs.Y.Jaya Lakshmi, Assistant Professor | C:\Users\VIGNAN\Downloads\WhatsApp Image 2025-07-03 at 14.19.26.jpegC:\Users\VIGNAN\Downloads\WhatsApp Image 2025-07-01 at 16.31.27 (2).jpeg |
| 3 | **Advanced Computer Science and Engineering:**  **External Members:**   * Dr. D.Rajya Lakshmi, Professor, Dept of CSE, JNTU- GV, Vizianagaram. * Dr. S. Vijay Bhaskar, Assistant Professor, Department of CSE, MNIT, Bhopal. * Mr.B.Siva Shankar, Software Engineer, CapGemini, Hyderabad * Mr.K.V.S.P.Akhilesh, Software Engineer,   Candela Technologies, Visakhapatnam  **Internal Members:**   * Dr.Y.Salini, Sr. Associate Professor * Mr.B.V.Ramana, Sr. Assistant Professor. * Mrs.K.DivyaKalyani, Sr. Assistant Professor. * Mrs.P.Sujatha, Sr. Assistant Professor. * Mrs.V.Manasa, Sr. Assistant Professor. |  |
| 4 | **Artificial Intelligence and Data Science:**  **External Members:**   * Dr. D.Rajya Lakshmi, Professor, Dept of CSE, JNTU- GV, Vizianagaram. * Dr. S. Vijay Bhaskar, Assistant Professor, Department of CSE, MNIT, Bhopal. * Mr.B.Siva Shankar, Software Engineer, CapGemini, Hyderabad * Mr.K.V.S.P.Akhilesh, Software Engineer,   Candela Technologies, Visakhapatnam  **Internal Members:**   * Dr.T.V.Madhusudhana Rao, Chairperson, Professor * Dr.J.Peter Praveen, Associate Professor * Mr.D. Chandra Mouli, Assistant Professor * Mr.G.S.Nayak, Assistant Professor * Mrs. I. Mani Kumari, Assistant Professor * Mrs.N.R.S.L.Prasanthi, Assistant Professor |  |
| 5 | **Master of Computer Applications:**  **External Members:**   * Dr. D.Rajya Lakshmi, Professor, Dept of CSE, JNTU- GV, Vizianagaram. * Dr. S. Vijay Bhaskar, Assistant Professor, Department of CSE, MNIT, Bhopal. * Mr.B.Siva Shankar, Software Engineer, CapGemini, Hyderabad * Mr.K.V.S.P.Akhilesh, Software Engineer,   Candela Technologies, Visakhapatnam  **Internal Members:**   * Dr. Ch. Dinesh**, Head** * Mrs. A. Sirisha, Assistant Professor * Mr. V. Rajendra Prasad, Assistant Professor * Mr. K. Venkatesh Babu, Assistant Professor * Ms. K. Lekha Sree, Assistant Professor * Mrs. T. V. Lakshmi Devi K, Assistant Professor * Mr. G. Bhargav, Assistant Professor * Mr. P. Sai Prasanth, Assistant Professor * Mr. P. Eswara Rao, Assistant Professor |  |
| 6 | 17th Academic Council Meeting was conducted on 10thJuLY 2025 under the chairmanship of Dr. J.Sudhakar, Principal, Vignan’s Institute of Information Technology (VIIT) through blended mode.  **External Members:**   * Dr .D. Rajya Lakshmi, Hon’ble Vice Chancellor(i/c) JNTUGV, University  Nominee. * Prof K. Babulu, DA&DR&D, JNTUGV, University Nominee. * Dr.KCB Rao, DAP, JNTUGV, University Nominee. * Dr Bijay Kumar Sahu, Sr Regional Manager, Industry Expert, NRDC Outreach Office.   **Internal Members:**  Prinical, Deans, HoDs of VIIT. | Virtual |

1. **Training & Workshops organized:**

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| **S.No.** | **Date** | **Name of the Event** |
| 1 | 02.07.2025  &  03.07.2025 | Two-Day Training Program on “Career Development & Industry Readiness” for Mechanical & Civil Engineering Students. Trainer, Mrs.Lakshmi Sudha Jami from Truemind in Collaboration with Milekal Engineering |
| 2 | 07.07.2025  &  11.07.2025 | A 5-Day Career Readiness Training on Aptitude and Reasoning by APEX, 328 students and 3 faculty member were attended. |
| 3 | 14.07.2025  &  19.07.2025 | 1. Six-Day Training Program on Quantitative Aptitude and Verbal Reasoning for Career Readiness by Talent Shine, 503 students and 3 faculty member were attended. |
| 4 | 26.06.2025  &  19.07.2025 | Industry-Integrated Skill Development Program on CAD & Simulation Tools for Mechanical Engineers by AEP, 77 students and 2 faculty member were attended. |
| 5 | 19.07.2025  &  21.07.2025 | Moschip Technologies by Moschip Technologies, 554 students & 28 faculty were attended. |
| 6 | 21.07.2025  &  26.07.2025 | A 6-Day Critical Reasoning & Quantitative Aptitude Bootcamp by APEX, 502 students & 4 faculty were attended. |
| 7 | 23.07.2025  &  25.07.2025 | Alphastreem by HR, Alphastreem, 451 students & 36 faculty were attenden. |

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| **S.No** | **Particulars** | **Image** | |
| **1** | Two-Day Training Program on “Career Development & Industry Readiness” for Mechanical & Civil Engineering Students. Trainer, Mrs.Lakshmi Sudha Jami from Truemind in Collaboration with Milekal Engineering on 2nd & 3rd July 2025. | **ss** | |
| **2** | From 7th–11th July 2025, APEX conducted a 5-day Career Readiness Training on Aptitude and Reasoning for 328 EEE, IT, and Mechanical students. Led by six expert trainers,  1. Mr. Suraj, 2. Mr. Koushik,  3. Mr. Viswas, 4. Miss Aishwarya, 5. Mr. Vishal, 6. Mr. Vivek ,  the program featured interactive sessions, mock tests, and hands-on exercises, significantly boosting participants’ problem‑solving speed, accuracy, and confidence for placement success. | |  |
| **3** | A six-day career readiness training was organized by Talent Shine for CSE and ACSE students, focusing on quantitative aptitude and verbal reasoning. Trainers Mr. Venu Gopal, Mr. Posu Babu, Mr. Durga Prasad, and Mr. Mohammad Rafi led engaging sessions. A total of 503 students and 3 faculty members participated actively. | |  |
| **4** | A 20-day hands-on training program on CAD and simulation tools was conducted for mechanical students, focusing on AutoCAD, SolidWorks, and ANSYS. The sessions covered modeling, assembly, motion simulation, and structural analysis, aiming to prepare students for core sector careers through industry-relevant exposure and tool-based technical upskilling by the trainers,  1.Mr.Satya, 2.Mr.Sreedhar, 3.K.Sai Chandu and 4.K.Ravi sankar.  77 students & 2 faculty were attended. | |  |
| **5** | Time is ripe in further strengthening the relationship between MosChip and Colleges/Universities.  As part of this, we wish to ignite the season 2 of “i3" (Institute Industry Interaction 2025) program in which we offer 2-week interactive sessions to the faculty that will help them to familiarize with the latest trends in VLSI and to get hands-on familiarity with EDA tools used in the VLSI industry. The 2-week "i3" program will be conducted at our State-of-the-Art facility at MosChip Institute of Silicon Systems (M-ISS), 6th Floor, Aurobindo Galaxy, Knowledge City, Hyderabad. | | Virtual |
| **6** | A 6-Day Bootcamp on Critical Reasoning and Quantitative Aptitude was organized by APEX from 21st June to 26th July 2025. Experts trained over 502 students from ECE, EEE, IT & MECH in QA, VA & LR. The program aimed to boost placement readiness and analytical thinking by the trainers   1. Mr. Harsha 2. Mr. Koushik 3. Mr. Revanth 4. Mr. Vishal 5. Mr. Viswas 6. Mr. Vivek | |  |
| **7** | We prefer students with 8+ CGPA Stipend for interns – Rs. 25,000 per months which is subject to 10% deduction. – if the interns perform well during the internship tenure, they will be considered for a fulltime role with 6L per annum CTC. If the performance is not up to the mark, they will not be converted to fulltime employment CTC for full-time hires – 5-6 Lakh per annum. Mode of work – Work from office - Mandatory  Interview process:  Online programming test 2-3 rounds of technical interview HR interview.  Attached job description for your reference.  Please feel free to refer them to us. Thank you for your attention to this matter.  We look forward to welcoming new talent to our team at Alphastream.AI. | | Virtual |

1. **Co-Curricular Activities**

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| --- | --- | --- |
| **S.No.** | **Activity** | **No. of students registered** |
| 1 | Edu Skills | 3035 |
| 2 | NPTEL | 387 |
| 3 | Value Added Courses | 1085 |
| 4 | CISCO | 6654 |

1. **NSS Service Programs**

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| S.No. | Date | Name of the event |
| 1 | 24.07.2025 | Swachh Campus Abhiyan |
| 2 | 24-07-2025  &  25-07-2025 | Aadhar Mela held |
| 3 | 28.07.2025 | Blood Donation Camp |
| 4 | 28.07.2025 | Medical Camp |
| 5 | 28.07.2025 | Plantation |

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| **S.No** | **Particulars** | | | **Image** |
| **1** | An Extra curricular Activity “Swach Campus Abhiyaan-2025’ conducted on 24.07.2025  As part of the Swachh Bharat Abhiyan, our institution actively participated in the **Swachh Campus Abhiyan** on **24th July 2025**, organized by the **NSS Unit**. The event aimed to promote cleanliness and environmental awareness among students and staff. Under this initiative, a campus-wide cleanliness drive was conducted. NSS volunteers enthusiastically took part in cleaning classrooms, corridors, common areas, and surroundings. Special focus was given to plastic waste collection and proper disposal. Volunteers also cleaned the garden areas, mechanical labs area and ensured proper segregation of biodegradable and non-biodegradable waste.  In addition to the cleaning activities, an awareness session was held to highlight the importance of hygiene, personal responsibility, and sustainable practices. These activities not only contributed to maintaining a clean and healthy environment within the institution but also aligned with the broader goals of the **Swachh Bharat Mission**. Through such initiatives, the NSS aims to instil in students a sense of civic duty and the importance of collective action in building a cleaner, greener India. | | |  |
| **2** | Aadhar Mela held on 24-07-2025 to 25-07-2025 in Dharithri block in VIIT with association with Visakhapatnam city Aadhar Official's around 150 students and staff availing this camp for changes in their Aadhar. |  | | |
| 3 | **Blood Donation camp held on 28.07.2025** at AKCNB hall in association with VIMS blood bank, Lion's club blood bank and RA Raja blood bank Visakhapatnam..total 232 units of Blood donated by our students | |  | |
| 4 | Medical Camp in VIIT by Dr. Venkatesh garu on 28-07-2025, around 200 students and staff participated. | |  | |
| 5 | Plantation held on 28-07-2025 in VIIT around 100 plants planted by students in VIIT campus for environmental sustainable of campus under NSS Unit-1. | |  | |

**5 (a) Research Publications:**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| ***S.No.*** | ***Name of the Author(s)*** | ***Department of the Author(s)*** | ***Title of the Paper*** | ***Name of the Journal*** | ***Month and Year of publication*** | ***ISSN*** | ***Link to the notification in UGC enlistment of the Journal*** |
| 1 | Sahu J.K.; Mamatha G.N.; Samantaray B.; Sunori S.K.; Kumar R.; Kiran P.S.; Gautam A.; Singh J. | EEE | Performance analysis of optimization MPPT used in solar photo-voltaic system | Journal of Optics (India) | 2025 | 9728821 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009527065&doi=10.1007%2fs12596-025-02830-4&partnerID=40&md5=547d15c9d7b3e99613bf68b524044922> |
| 2 | Kishore P.V.V.; Anil Kumar D.; Hima Bindu G.; Prasad B.; Praveen Kumar P.; Prasad R.; Kiran Kumar E. | IT | Wavelet convolutional vision transformer (WCViT) for Indian classical dance identification | International Journal of Information Technology (Singapore) | 2025 | 25112104 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009389621&doi=10.1007%2fs41870-025-02599-6&partnerID=40&md5=c3d07cfabbc43114c3fd33a4dec29c4b> |
| 3 | Korrai S.; Nemani R.; Mediboyana H.; Egala R.; Sairam M.V.S.; Achanta S.S. | BS&H | Groundwater quality evaluation and prediction using irrigation indices: pyramidal convolution split-attention networks with atomic orbital search algorithm | Hydrological Sciences Journal | 2025 | 2626667 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010223342&doi=10.1080%2f02626667.2025.2514681&partnerID=40&md5=678acbe578e134fb13c9595b20965736> |
| 4 | Agrawal A.V.; Dinesh C.; Ramana N.V.; Vithya V.T.; Pandey U.; Theresa Cenate C.F. | MCA | Machine Learning for Energy Consumption Prediction in Smart Homes | Proceedings - 1st International Conference on Frontier Technologies and Solutions, ICFTS 2025 | 2025 | 979-833150276-8 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010818118&doi=10.1109%2fICFTS62006.2025.11031694&partnerID=40&md5=833a49ad5a73acdd44171c1892364129> |
| 5 | Gupta S.; Roy M.; Pusarla N.; Aston P.J.; Gupta K.; Bajaj V. | ECE | Three-Dimensional Attractor Reconstruction for Enhanced ECG Classification of Arrhythmia and Congestive Heart Failure | IEEE Sensors Journal | 2025 | 1530437X | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105006693793&doi=10.1109%2fJSEN.2025.3572080&partnerID=40&md5=078ba91861abd27e22b9cc6086471bf3> |
| 6 | Hidayat A.; Nurfikri A.; Priya D.V.; Patil R.V.; Hire V.R.; Nishant S. | BS&H | Statistical Methods for Big Data Analysis in Technological Systems | Proceedings - 1st International Conference on Frontier Technologies and Solutions, ICFTS 2025 | 2025 | 979-833150276-8 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010831172&doi=10.1109%2fICFTS62006.2025.11031562&partnerID=40&md5=9971f5fdd6d50768b9e493bb3e50ccd2> |
| 7 | Muthukumaran R.; Bodukuri A.; Kakaravada I.; Govindaraj S.R. | MECH | Effect of advancing side material on friction stir welding of dissimilar AA2014-AA6061 alloys: microstructure, mechanical properties, and wear performance; [Effet de l’avancée du matériau latéral sur le soudage par friction-malaxage d’alliages AA2014-AA6061 dissemblables: microstructure, propriétés mécaniques et résistance à l’usure] | Canadian Metallurgical Quarterly | 2025 | 84433 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009506248&doi=10.1080%2f00084433.2025.2522560&partnerID=40&md5=737653e8b947927d27022627dc7b3977> |
| 8 | Roula S.; Pattanayak P.; Kumar A.; Sabat D.; Tripathy D.; Arif W. | ECE | Multiband G-shaped four-terminal MIMO antenna for WiFi/Bluetooth/ISM/5G/X-band applications | Journal of Electromagnetic Waves and Applications | 2025 | 9205071 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010209881&doi=10.1080%2f09205071.2025.2529462&partnerID=40&md5=be21982bd199aa4ef04eebdcaf9700d0> |
| 9 | Mohanty A.; Senapati S.K.; Ganguly V.R.; Dash M.K. | MECH | Computation of natural convection heat transfer from an infrared suppression device (IRS) with multiple louvered cylindrical funnels | Numerical Heat Transfer; Part A: Applications | 2025 | 10407782 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85188503969&doi=10.1080%2f10407782.2024.2328763&partnerID=40&md5=010ddbdd5709fc39ea16e5097fb1dd81> |
| 10 | Mishra S.K.; Banu E.A.; Dinesh C.; Sandanakaruppan A.; Ranjeeth Kumar M.; Rajendiran M. | MCA | Machine Learning Algorithms for Dynamic Spectrum Access in Wireless Networks | Proceedings - 1st International Conference on Frontier Technologies and Solutions, ICFTS 2025 | 2025 | 979-833150276-8 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010825160&doi=10.1109%2fICFTS62006.2025.11031587&partnerID=40&md5=9047e990d0291b42dd774e36d6b72ad7> |
| 11 | Shafiq M.; Kurikyala P.Y.; Selvaraj S.; Prasad K.D.S.; Siddhan S.; Pradeep J. | EEE | Hybridized Energy Management and Power Forecasting in Grid-Tied Solar Photovoltaic and Wind Turbine with Electric Vehicles | Energy Technology | 2025 | 21944288 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009735175&doi=10.1002%2fente.202500356&partnerID=40&md5=f4dc6b0ebb5ff67327a896fd7e23d4c8> |
| 12 | Reddy L.; Goud G.A.; Yamsani S.K.; Ramana G.V. | CIVIL | Seepage and Leaching Characteristics of Black-Cotton Soils Stabilized Using Calcinated Coal Gangue-Based Geopolymers | Journal of Environmental Engineering (United States) | 2025 | 7339372 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009412524&doi=10.1061%2fJOEEDU.EEENG-8047&partnerID=40&md5=568a5115d7244eecdd7cda38051e2153> |
| 13 | Annaiah N.A.K.J.; Jagan B.O.L. | CSE | Enhanced Deepfake Detection Using Deep Learning on Large-Scale Video Data: A Fused ResNet50 and LSTM Approach | Lecture Notes in Networks and Systems | 2025 | 23673370 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010612239&doi=10.1007%2f978-981-96-3250-3_39&partnerID=40&md5=ba094630392a75b0b7cbd7a1ee33a7e5> |
| 14 | Rai H.M.; Omkar Lakshmi Jagan B.; Rao N.T.; Mohammed T.K.; Agarwal N.; Abdallah H.A.; Agarwal S. | CSE | Deep Learning for Leukemia Classification: Performance Analysis and Challenges Across Multiple Architectures | Fractal and Fractional | 2025 | 25043110 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009148256&doi=10.3390%2ffractalfract9060337&partnerID=40&md5=20b6c09ab13858b593ba005bef16867b> |
| 15 | Kailasam N.; Yalamati S.; Murthy V.S.N.; Venkateswara Rao P.; Anil Kumar R.; Jayaram Kumar K. | CSE | Optimized Task Offloading in D2D-Assisted Cloud-Edge Networks Using Hybrid Deep Reinforcement Learning | International Journal of Basic and Applied Sciences | 2025 | 22275053 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010766834&doi=10.14419%2fxm2ebp25&partnerID=40&md5=a2c062611db6807ed36c99fba21987e5> |
| 16 | Venkatasivarambabu P.; Babu R.K.; Jagan B.O.L.; Rai H.M.; Agarwal N.; Agarwal S. | CSE | Vehicle tracking and classification for intelligent transportation systems using YOLOv5 and modified deep SORT with HRNN | Signal, Image and Video Processing | 2025 | 18631703 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009548054&doi=10.1007%2fs11760-025-04379-y&partnerID=40&md5=aa978a4ab4d1341d952f6e72e7633812> |
| 17 | Sahu D.P.; Das R.; Mohanty S.C. | AIDS | Experimental, Numerical, and ANN-Based Study of Free Vibration of Glass Fibre and MWCNT-Reinforced Laminated Structures | Fibers and Polymers | 2025 | 12299197 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009088405&doi=10.1007%2fs12221-025-01034-8&partnerID=40&md5=f1c6e276a96db8609b64c9c423f0d990> |
| 18 | Valli N.S.S.; Raju M.K.; Satyanarayana G.V.V.; Ratnaraju M.; VidyaSagar D.; Das N.L. | BS&H | Assessment of radioactivity levels and dose metrics in coastal drinking water sources of Odisha and Andhra Pradesh, India | Journal of Radioanalytical and Nuclear Chemistry | 2025 | 2365731 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85207375050&doi=10.1007%2fs10967-024-09840-9&partnerID=40&md5=fda38474fef7a2fb6ff8e82e72d664e9> |
| 19 | Srinivasa Kumar D.; Kurian J.S.; Bindu Madhavi N.; Devanna H.; Sharma P.; Kumar N.M. | ECM | Sustainable Brand Positioning in Indian FMCG Sector: A Multi-Criteria Decision-Making Approach | Asian Journal of Interdisciplinary Research | 2025 | 25818430 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105011395650&doi=10.54392%2fajir25211&partnerID=40&md5=2b2610bfb66b86ba99058abffa18d04f> |
| 20 | Rani V.V.; Seshashaye M.; Anuradha Y.; Kolukuluri M.; Sridevi G.; Manjusha C.; Musinana C.S. | MECH | A Hybrid IEFDL Model for Accurate PM2.5 Forecasting in India Using Deep Learning and Multivariate Data Analysis | International Journal of Basic and Applied Sciences | 2025 | 22275053 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009209710&doi=10.14419%2fcvc00e96&partnerID=40&md5=17d3c317d6ce50d9b8faa5abb4900b21> |
| 21 | Ratnaraju M.; Rao P.V.M.; Dasari K.B.; Raju M.K.; Raju M.K.; Tejaswi A. | BS&H | Study of essential elemental concentrations in anti-urolithiatic medicinal plants | Journal of Radioanalytical and Nuclear Chemistry | 2025 | 2365731 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85212470687&doi=10.1007%2fs10967-024-09915-7&partnerID=40&md5=42cb87d8e7bfd44028e6ec18934494ff> |
| 22 | Pushpakumari J.; Alekhya J.U.; Nagalakshmidevi J.; Maanasa M.; Rani V.V.; Rao M.S.; Musinana C.S. | ACSE | A Novel Self-Supervised Swin Transformer with Wavelet Feature Extraction for Early Alzheimer’s Disease Recognition | International Journal of Basic and Applied Sciences | 2025 | 22275053 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010053195&doi=10.14419%2fsyxzbg95&partnerID=40&md5=ef8e8cf7abce9ffdb233ab62df7f83e1> |
| 23 | Ganesh R.; Saha T.K.; Kumar M.L.S.S. | EEE | Extremum seeking technique for the optimal energy storage integration to standalone PV based microgrid | Electric Power Systems Research | 2025 | 3787796 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009509124&doi=10.1016%2fj.epsr.2025.111968&partnerID=40&md5=272a83c876090283be95cc11e0c0943c> |
| 24 | Dogga A.; Dogga P.; Geddam G.P.; Lakshmi G.B.; Manikanta V. | MECH | Efficient skin disease detection with CNNs | AIP Conference Proceedings | 2025 | 0094243X | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105011342993&doi=10.1063%2f5.0284693&partnerID=40&md5=2958bcb273de9766dc81fad6c94df03d> |
| 25 | Rao M.P.S.; Alla S.K.; Rao R.H.; Govinda D. | BS&H | High-sensitivity refractive index sensor with π-shaped gold patches metamaterial absorber for biomedical applications | AIP Conference Proceedings | 2025 | 0094243X | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105011355253&doi=10.1063%2f5.0279375&partnerID=40&md5=1339e162368bd5957216e73ff6bba046> |
| 26 | Nayak G.S.; Mallick P.K.; Sahu D.P.; Kathi A.; Reddy R.; Viyyapu J.; Pabbisetti N.; Udayana S.P.; Sanapathi H. | AIDS | Optimizing stroke detection with genetic algorithm-based feature selection in deep learning models | Applied Neuropsychology: Adult | 2025 | 23279095 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105009526044&doi=10.1080%2f23279095.2025.2516259&partnerID=40&md5=42ebc395f959a62dd5d8dfacad5e35b0> |
| 27 | Annaiah N.A.K.J.; Mahanty M. | CSE | Data-Driven Facial Image Synthesis from Text Descriptions with Deep Fusion GANs | Lecture Notes in Networks and Systems | 2025 | 23673370 | <https://www.scopus.com/inward/record.uri?eid=2-s2.0-105010581198&doi=10.1007%2f978-981-96-3250-3_37&partnerID=40&md5=92d7129b62af7a5e15b0dc9bfb14bfdc> |

**5 (b)** Research Papers Published in various Conferences by the Faculty:

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| **S. No.** | **Date** | **Name of the Faculty** | **Department** | **Paper Title** | **Name of the Conference** |
| 1 | 07-07-2025 | Mr.P.Maheswara Rao | EEE | Big Data Analytics in Renewable Energy Management for Intelligent Smart Grid Operation | 1st International Conference on Power Electronics Converters for Transportation and Energy Applications |
| 2 | 07-07-2025 | Mrs.P. Pratima rani | CSE | AI-Driven Multi-Objective Optimization for Energy Transformation from Renewable Sources to Smart Grid Infrastructure | 1st International Conference on Power Electronics Converters for Transportation and Energy Applications |
| 3 | 16/07/2025 | Dr.Pinninti Sanyasi Rao | MBA | Federated Learning-Based Energy Management Systems for Privacy-Preserving Demand Forecasting in Smart Cities | Foresting Inclusivity for Future Sustainability: Global Perspective and Local Action (Astha International Conference)-2025 |
| 4 | 19/07/2025 | Dr.K.Appala Naidu | EEE | Smart Grid Integration with Electric Vehicles: A Predictive Energy Management System Using Federated Learning | 2nd International Conference On Sustainable Power and Energy Research |
| 5 | 28-07-2025 | Dr.Sudipta Priyadarshini | BS&H | Performance Analysis of Smart Grid Energy Systems Under Varying Loads Using Digital Twin and Real-Time Data Analytics | 1 st International Conference on Computational Science and Mathematical Modelling, VIT-AP- Amaravati ) |
| 6 | 30-07-2025 | Mr.A.V.V.Chakrapani | CSE | Integration of Renewable Energy Sources to Smart Grid Using Machine Learning- Based Forecasting Models for Grid Stability Enhancement | 1 st International Conference on Computational Science and Methemetical Modelling, VIT-AP- Amaravathi |

**5 (c) Internal Faculty Development Programs (FDP):**

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| **S.No.** | **Date** | **Name of the Event** |
| 1 | 02.07.2025 | Face-to-Face Faculty Development Programs (FDP) |

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| **S.No** | **Particulars** | **Image** |
| **1** | Awareness on various government schemes available for submission of research proposals, funding opportunities, and other important updates related to Research & Development activities by Dr. G.Kranthi Kumar, Dean R&D, VIIT on 2nd July 2025. |  |

**6. Student Support Practices:**

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| **S.No.** | **Date** | **Name of the Event** |
| 1 | 04.07.2025 | Zimbabwe Students Parents & Guardians Meet at Harare, Zimbabwe. |
| 2 | 08.07.2025 | Guest lecture with alumni Mr.Tejendra Alapati by ECM Dept. |
| 3 | 15.07.2025 | ECM student’s industrial visit to AMTZ. |
| 4 | 16.07.2025 | IEEE SPS Distinguished Industry Speaker Program. |
| 5 | 17.07.2025 | The Induction Program for the 2nd Year B.Tech Lateral Entry students of the 2025-26 academic batch. |
| 6 | 17.07.2025 | Co-curricular Activity “Excel Mastery&power BI basics:A hands–on workshop”. |
| 7 | 18.07.2025 | Nepal & Bangladesh Students’ Academic Progress Review Meeting. |
| 8 | 18.07.2025 | A Session on Career Opportunities in the Medical Device Industry. |
| 9 | 21.07.2025 | the Innovation Cell and ED Cell collaboratively organized an insightful virtual session titled *“***Innovation/Prototype Validation—Converting Innovation into a Start-up***”* |
| 10 | 24.07.2025 | ECE Dept. in collaboration with Innovation Cell (IIC) and ED Cell collaboratively organized an insightful virtual session titled **Lean Start-up & Minimum Viable Product/Business- Boot Camp.** |
| 11 | 24.07.2025 | ECE Dept. in collaboration with the Institution’s Innovation Council (IIC) and the ED Cell, organized an engaging guest lecture titled “**Safety and Scalable Innovations for Safer Roads AI**”. |
| 12 | 24.07.2025 | An Extra curricular Activity “Technical Talk on AI, IIT-Hyd” by Mr.Ganesh.G. |
| 13 | 28-07-2025  to  09-07-2025 | A two-week workshop on "Data Analytics” by Ece department. |
| 14 | 28.07.2025  to  02.08.2025 | Faculty Development Programe by Dr.R.Hanumantha Rao, Prof. of BS&H, VIIT, subject wise faculty participated |
| 15 | 30.07.2025 | On the **5th anniversary of the National Education Policy (NEP),** the Department of Electronics and Communication Engineering organized an industrial visit to Andhra Pradesh MedTech Zone (AMTZ), Visakhapatnam. |

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| **S.No** | **Particulars** | **Image** | | | | |
| 1 | Zimbabwe Students Parents & Guardians Meet at Harare on 04.07.2025. | | |  | | |
| 2 | The Department of Electronics and Computer Engineering has organised a Guest lecture with alumni Mr.Tejendra Alapati on 8th July. The event involves inviting alumni to share his experiences, insights, and advice on placement and career development with current students. The lecture provides a platform for students to learn from industry professionals, gain valuable insights, and get guidance on navigating the job market. Mr. Tejendra shared the Career pathways and opportunities, Placement preparation strategies, Resume building and interview skills, Networking and professional development, present Industry trends. The main aim of the event is to meet their alumni for taking their experiences and empower themselves with necessary skills to succeed in their career paths. | | |  | | |
| 3 | The ECM student’s industrial visit on 15.07.2025 to AMTZ aimed to expose students to cutting-edge advancements in medical device manufacturing, testing, and prototyping, and to bridge the gap between theoretical knowledge and industrial practices. The main objective is to understand the applications of electronics, computer science, and biomedical principles in real-world healthcare innovation, interact with professionals and scientists working in specialized domains like biomaterial testing, 3D printing, and gamma sterilization and to foster industry-academia collaboration and inspire innovation among students. 53 students and 3 faculty participated. | | | |  | |
| 4 | IEEE SPS Distinguished Industry Speaker Program on 16.07.2025. | |  | | | |
| 5 | The Induction Program for the 2nd Year B.Tech Lateral Entry students of the 2025-26 academic batch was held on **17th July 2025** at **Vignan’s Institute of Information Technology (Autonomous), Visakhapatnam**. The purpose of the program was to officially welcome the newly admitted lateral entry students, integrate them into the institutional ecosystem, and offer them an understanding of academic structures, departments, and the support framework available at VIIT.  The event witnessed participation from **211 students**, accompanied by their parents, and was addressed by eminent dignitaries including the Principal, Rector, Deans, and Heads of Departments. Following the inaugural session, department-wise orientation was conducted to help students familiarize themselves with faculty, labs, and curriculum. | | |  | | |
| 6 | Co-curricular Activity “Excel Mastery&power BI basics:A hands–on workshop” conducted on 17.07.2025. Mr.P.Jagadeesh is the resourse person. | | | | |  |
| 7 | Nepal & Bangladesh Students’ Academic Progress Review Meeting on 18.07.2025. | | |  | | |
| 8 | A Session on Career Opportunities in the Medical Device Industry on 18.07.2025. | | |  | | |
| 9 | On 21st July 2025, the Innovation Cell and ED Cell collaboratively organized an insightful virtual session titled *“***Innovation/Prototype Validation—Converting Innovation into a Start-up***”* from 7:30 PM to 9:30 PM. The expert speaker elaborated on practical strategies for validating prototypes and shared real-time case studies and examples of successful transitions from ideas to startups. A total of 48 students and 5 faculty members actively participated in the session, engaging in meaningful discussions and gaining valuable insights. | | | **A screenshot of a computer  AI-generated content may be incorrect.A computer screen with a computer screen  AI-generated content may be incorrect.** | | |
| 10 | On 24th July 2025, the department of ECE in collaboration with Innovation Cell (IIC) and ED Cell collaboratively organized an insightful virtual session titled **Lean Start-up & Minimum Viable Product/Business- Boot Camp**from 5:00 PM to 7:00 PM. included a focused discussion on challenges in the telecommunications sector. Dr. Bhavin Shah emphasized how start-ups in telecom face barriers such as high infrastructure costs, regulatory complexities, and rapid technological shifts. He highlighted the need for lean strategies to address spectrum limitations, network scalability, and cybersecurity threats. | | | **A screen shot of a computer  AI-generated content may be incorrect.A screen shot of a computer  AI-generated content may be incorrect.** | | |
| 11 | On 24th July 2025, the Department of ECE, in collaboration with the Institution’s Innovation Council (IIC) and the ED Cell, organized an engaging guest lecture titled “**Safety and Scalable Innovations for Safer Roads AI**” from 11:00 AM to 12:00 PM. The session was delivered by **Mr. Srikanth Vishnuvajjala**, Business Development Manager - Mobility (Deep Tech) at iHub-Data, IIIT-Hyderabad. He presented a compelling discourse on data-driven mobility solutions aimed at reducing road fatalities in India. He highlighted innovative technologies focused on two-wheeler safety, smart infrastructure inspection, and the broader integration of deep tech in transport systems. | | | **A group of people in a classroom  AI-generated content may be incorrect.A person standing on a podium in front of a group of students  AI-generated content may be incorrect.A person standing in front of a classroom  AI-generated content may be incorrect.** | | |
| 12 | An Extra curricular Activity “Technical Talk on AI, IIT-Hyd” by Mr.Ganesh.G on 24.07.2025. 63 students were benefitted through this event. | | |  | | |
| 13 | A two-week workshop on "Data Analytics” on 28-07-2025 by ece department. | | |  | | |
| 14 | Faculty Development Programe from 28.07.2025 to 02.08.2025 by Dr.R.Hanumantha Rao, Prof. of BS&H, VIIT, subject wise faculty participated (50). | | |  | | |
| 15 | On the **5th anniversary of the National Education Policy (NEP),** the Department of Electronics and Communication Engineering organized an industrial visit to Andhra Pradesh MedTech Zone (AMTZ), Visakhapatnam on 30th July 2025. A total of 68 students and 2 faculty members participated in the visit. The objective was to provide students with exposure to the latest advancements in medical technology and healthcare manufacturing. During the visit, students explored various research and manufacturing facilities, gaining insights into real-world applications of electronics in the medical field. The visit raised industry-academia interaction and enhanced the students’ understanding of emerging trends in MedTech innovation. | | | **A group of people standing on a stage  AI-generated content may be incorrect.A group of people standing in a building  AI-generated content may be incorrect.** | | |
| 16 | The Department of Electronics and Communication Engineering organized an industrial visit to Andhra Pradesh MedTech Zone (AMTZ) on 30th July 2025. The objective of this visit was to provide students with practical exposure to the working environment of a premier medical technology manufacturing facility and to bridge the gap between theoretical learning and industry practices. AMTZ is India’s first integrated medical device manufacturing park located in Visakhapatnam. It houses high-end common scientific facilities and supports indigenous manufacturing of medical equipment. It plays a vital role in reducing healthcare equipment imports and promoting innovation in the MedTech sector. 71 students and 2 faculty members actively participated in the visit | | | C:\Users\VIGNAN\Downloads\WhatsApp Image 2025-07-30 at 3.43.09 PM.jpegC:\Users\VIGNAN\Downloads\WhatsApp Image 2025-07-30 at 3.43.08 PM.jpeg | | |

**7. Extension & Community oriented Activities- Community Service Projects by ECE students:**

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| **S.No.** | **Date** | **Name of the Event** |
| 1 | 04.07.2025 | EPL-IGNITE-2K25 was organized by the Innovation Cell and ECE Department. |

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| **S.No** | **Particulars** | **Image** |
| 1 | On **4th July 2025**, EPL-IGNITE-2K25 was organized by the Innovation Cell and ECE Department of Vignan's Institute of Information Technology (A) at Prathibha Vidyalayam, Sabhavaram. Guided by **Dr. M. Karuna, IIC Ambassador**, the event aimed to mentor ATAL school students in innovation. It facilitated knowledge sharing in Electronics and Communication Engineering with 240 students (Grades 7–10), 60 B.Tech students, and faculty. The program fostered curiosity, learning, and collaboration, marking a successful outreach initiative. |  |

**8. Awards & Recognitions – Student’s & Faculty Achievements:**

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| **S.No.** | **Name of the Event** |
| 1 | Student Achievement |
| 2 | Faculty Achievements |
| 3 | Institute Achievements |

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| **S.No** | **Particulars** | **Image** |
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| 3(a) | Achieved on 10.07.2025 |  |
| 3(b) | Achieved on 14.07.2025 |  |
| 3(c) | Achieved on 25.07.2025 |  |

**PRINCIPAL**