

PVPSIT NEWS

<u>A Half Yearly News Letter</u> <u>Department of Information Technology</u> PVP Siddhartha Institute of Technology (Sponsored by Siddhartha Academy of General and Technical Education) NBA Accredited and ISO 9001: 2015 certified Institution Kanuru, Vijayawada- 520 007

Volume: 29

JULY: 2023

GUEST LECTURES/WORKSHOPS CONDUCTED BY THE DEPARTMENT

- Conducted a student hackathon "PVPSIT HACKATHON 2023" for the students of PVPSIT to enhance knowledge and unleash technical skills among students on 28th February, 2023. Coordinators: Dr. G.Reshma and Mr. Ch.Praneeth.
- Reasoning and Aptitude training is initiated for III year students in view of upcoming placements drives from 18th to 31st January, 2023.
- Programming skills enhancement training is initiated to II year students improve competitive coding skills among students from 19th to 29th January, 2023.
- iv. Conducted one day guest lecture to all II B.Tech IT students on "Start-ups and Entrepreneurship Initiatives" in association with CSI on 20th February, 2023. Resource person: Mr. A.Gopi Raja, CEO, Fopple Drone Tech Pvt. Ltd, Vijayawada.
- v. Conducted a National conference on "Recent Trends in Information Technology- NCRTIT2K23" on 10th February, 2023. Keynote Speaker: Dr. S. Satish, Associate Professor, SRM university, Amaravathi Session Chair: Dr. G. Siva Nageswara Rao, Professor, Department of CSE, KLU, Guntur.
- Vi. Organized a one day Faculty Development Program on "Research Development and Fund Grants" at PVPSIT on 20th March 2023.Resource Person: Dr. CH.V.K.N.S.N. Moorthy, Director R &D, Vasavi College of Engineering, Hyderabad. Coordinators: Dr. A.Haritha & Dr. S.Sai Kumar.
- vii. Organized a one day seminar for II and III B.Tech students on "Transforming Engineers in to Entrepreneurs" on 4th April, 2023.
 Resource person: Mr. Y V D Chandra Sekhar, Founder & CEO, CS CODENZ, Hyderabad. Coordinator: Ms. K. Sri Vijaya.

Editorial Board: Chief Patron DR. K. SIVAJI BABU Chief Editor: DR. B. V.SUBBA RAO Asst Editors DR. D. KAVITHA Team Members MS K. SRI VIJAYA MR CH. KANAKA RAJU Student Members: MR. DEEPAK MR. UMA PAVAN MS. AISWARYA

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- viii. Organized a Two day workshop on "Front End Technologies" for II B.Tech students during 27th to 28th April, 2023 in association with ISTE and CSI. Resource Person: Mr Siva Ram Teja, Senior Mern Stack Developer, Codegnan IT Solutions Pvt Ltd, Vijayawada. Coordinators: Dr. D. Kavitha and Mrs. J.Sirisha.
- ix. Conducted one day Workshop on "A Road Map for Enhancing the Competitive Programming Skills" for the I B.Tech IT students on 20th May, 2023 in association with Freshman Engineering Department, PVPSIT.
- Organized one week online FDP on "Data Science" during 15th to 19th May, 2023 for the faculty. Resource Person: Mrs D.Padmini, Senior Software Engineer, DBS Technologies Pvt Ltd, Hyderabad. Coordinator: Dr.K.Pavan kumar.

PAPERS PUBLISHED BY STAFF

- i. Mrs. J. Sirisha published a paper titled "Pseudo Trained YOLO R_CNN Model for Weapon Detection with a Real-Time Kaggle Dataset" in the *International Journal of Integrated Engineering (IJIE)* Vol-14, Issue-7, pp. 131-145, ISSN: 2229-838X, December- 2022. (indexed in Scopus-March2023)
- Dr. B. V. Subba Rao published a paper titled "A Secure Framework to Prevent Three-Tier Cloud Architecture from Malicious Malware Injection Attacks" in *International Journal of Cloud Applications and Computing*, Vol: 13, Issue: 1, February 2023, Page No: 1-22 with DOI: 10.4018/IJAC.317220.
- Dr. Y. Padma published a paper titled "Prediction of Co morbid Malignancy patient Survivability-Empirical Perspective" in *Journal of Theoretical and Applied Information Technology* in Volume No.101, Issue No. 08, April 2023 with ISSN:1817-3195, pp. 3162-3174.
- iv. Dr. S. Sai Kumar published a paper titled "Hybrid Optimization based Feature Selection with DenseNet Model for Heart Disease Prediction" in International Journal of Electrical and Electronics Research (IJEER), Volume 11, Issue 2, ISSN: 2347-470X, PP: 253-261.
- Mr. Ch.Praneeth published a paper titled "Attack Detection using DL based Feature Selection with Improved Convolutional Neural Network" in International Journal of Electrical and Electronics Research (IJEER), Vol:11, Issue:2, pp. 308-314, ISSN: 2347-470X, May, 2023.
- vi. Dr. K. Pavan Kumar and Dr.Y. Suresh published a paper titled "Prediction of Chronic Kidney Disease using SVM and CNN" in International Journal on Recent and Innovation Trends in Computing and Communication, 11(5s), PP. 80–89. Published 16 April 2023. https://doi.org/10.17762/ijritcc.v11i5s.6632
- vii. Dr. A.Haritha published a paper titled "Implementation of an adaptive E-learning platform with facial emotion recognition" in Microsystem Technologies, ISSN: 0946-7076, February 2023, SCOPUS Indexed, SCI Indexed.
- viii. Dr. A.Haritha published a paper titled "Design, development and performance analysis of cognitive assisting aid with multi sensor fused navigation for visually impaired people" in Journal of Big Data, ISSN: 2196-1115, 10(1), 21, February, 2023. SCOPUS Indexed, SCI Indexed.

- ix. Dr. B. V. Subba Rao published a paper titled "Optimized CNN-based Brain Tumor Segmentation and Classification using Artificial Bee Colony and Thresholding" in International Journal Of Computers Communications & Control, ISSN:1841-9844, ISSN-L: 1841-9836, Volume: 18, Issue: 1, Pages 1-18, February 2023., Article Number: 4577, https://doi.org/10.15837/ijccc.2023.1.4577 SCOPUS Indexed, SCI Indexed.
- x. Dr. G. Reshma published a paper on "Privacy-aware access control (PAAC)-based biometric authentication protocol (Bap) for mobile edge computing environment" in Journal of soft computing published on 28-04-2023. (Springer Nature, SCI, Scopus- indexed).
- Mr. B. V. Satish Babu published a paper titled "Fake News Classification Using Machine Learning" in Journal of Fundamental Comparative Research (Shodhsamhita), Vol:X, Issue- 4 (I) January June 2023(UGC Care Group-I).
- xii. Dr. A. Haritha, M. Priyanka, A. Bindu Priya Darshini, I. Sumanth, G. Amrutha published a paper titled "Prediction Of Heart Disease Using Machine Learning Techniques" in International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 7, Issue 4, ISSN: 2582-3930, April 2023.
- xiii. Dr. D. Kavitha, R. Triveni, S. Harsha Vardhan, N. Akhil, V. Kumar Parasu Ram published a paper on "Crop Recommendation System using ML" in International Scientific Journal of Engineering and Management, Vol: 2, Issue: 4, ISSN:2583-6129, April, 2023.
- xiv. Mrs. D. Leela Dharani, B. Hema Bindu, D. Chaitanya, G. Yamuna, M. Reshwanth, published a paper titled "Website Traffic Forecasting Using Deep Learning" in International Journal for Research in Applied Science & Engineering Technology, Vol 11, Issue 4, April 2023.
- Mr. D. Bharadwaja published a paper titled "Music Genre Classification Using Deep Learning in Journal of Emerging Technologies and Innovative Research, volume 10, issue 4, page No:f676f679,ISSN No:2349-5162 on April 2023.
- xvi. Dr. Y. Padma, K. Tejasree, G. Srinivas, K. Kishore Babu published a paper titled "Personality Prediction using ML" in Journal of Emerging Technologies and Innovation Research(JETIR), Vol. 10, Issue-4,ISSN:2349-5162, pp. f514-f519.
- xvii. Mr. B.V.Satish Babu published a paper titled "Block chain-Driven Access Control: A Comprehensive Survey" in International North Asian International Research Journal of Sciences, Engineering & I.T, ISSN: 2454-7514, Volume:9, Pageno:17 – 36, June, 2023
- xviii. Ms. K.Sri Vijaya has published a paper on "Reliable and Efficient Image Processing and Deep Machine Learning for large-scale Digital Image Retrieval" in IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2022), on 18th and 19th November, 2022 and the same is published in IEEE Explorer with DOI: 10.1109/IIHC55949.2022.10059657.(published in march 2023).
 - xix. Dr. Y.Padma published a paper titled "A unique model for Detecting the Diseases using Decision Making Approach(DMA)" in IEEE International Conference on Automation, Computing and Renewable Systems(ICACRS-2022) organized by department of Electronics and Computer Engineering, Mount Zion College of Engineering and Technology held during 13th to 15th December, 2022 in Pudukkottai, Tamilnadu, India, ISBN: 978-1-6654-6084-2.

- xx. Dr.K. Pavan Kumar, M.Venkata Prathyusha, N. Lakshmi Sai, A. Ram Trivedh, P. Naga Sai Manikanta published a paper on "Two Wheeler Helmet Detection And Number Plate Extraction" in Hinweis Second International Conference on Advances in Software Engineering and Information Technology (ASIT) in June 16-17, 2023
- xxi. Dr. B. V. Subba Rao published a book chapter titled "Artificial Intelligence and Machine Learning for Smart Community: Concepts and Applications" in AIMLSF 2022 in January 2023.
- xxii. Dr.B.Tirapathi Reddy authored a book titled "An Efficient File Access Control Technique Scheme by Shared Cloud Data Security" published by Integrated Publications with the ISBN: 978-93-95118-63-7 in April, 2023.

PAPERS PRESENTED IN CONFERENCES

- i. Dr. S. Sai Kumar presented a paper titled "Digitized Smart Farming Technology forUrban Agriculture for Future Sustainability" in 12th International Advanced Computing Conference (IACC-2022) organized by CMR College of Engineering and Technology, Hyderabad on 16th to 17th December, 2022.
- ii. Dr. B.V.Subba Rao and Dr. S.Sai Kumar presented a paper titled "Categorization of Disabled Population in Andhra Pradesh Using Data Visualization" in One-day National Conference on Recent trends in Information Technology(NCRTIT-2K23) on 10th February, 2023 organized by Department of Information Technology, PVPSIT, Vijayawada-7, and the same is published in IJIEMR, DOI:10.48047/IJIEMR/V12/ISSUE 02/21, Volume 12, Issue 02, Pages: 136-138, Indexed in Elsevier SSRN with ISBN: 978-93-5810-920-7.
- iii. Mr. D Srinivasa Rao presented a paper titled "Efficient identity based Distributed Decryption Scheme for Personal Health Record Sharing System" in National Conference on Recent trends in Information Technology (NCRTIT-2K23) organized by Department of IT, Prasad V Potluri Siddhartha Institute of Technology held on 10th February, 2023, and the same is published in IJIEMR, ISBN:978-93-5810-920-7.
- iv. Mr. Ch.Praneeth, N.V.Sanjana Naidu, M.Konda Reddy, P.Sirisha and Sk.Aashik presented a paper titled, "The Tradeoff between ML and DL Techniques for Face Emotion Classification" in National Conference on Recent Trends in Information Technology (NCRTIT) 2K23 organized by department of IT, PVPSIT on 10th February, 2023.
- Mr. Ch.Praneeth presented a paper titled, "Human Activity Classification based on Smartphone Data using ML Techniques" in National Conference on Recent Trends in Information Technology (NCRTIT) 2K23 organized by department of Information Technology, PVP Siddhartha Institute of Technology on 10th February, 2023.
- vi. Dr. G.Lakshmi presented a paper titled "Interactive Projection Technology using Hand Gesture Recognition with Attention Mechanism and Resnet" in 2nd International Conference on Applied Artificial Intelligence and computing (ICAAIC 2023) organized by Narasu's Sarathy Institute of Technology, Salem, India on 4th to 6th May, 2023, IEEE Explore with ISBN : 978-1-6654-5630-2
- Wr.B.V.Satish presented a paper titled "Suicidal Tendency Detection Using CNN Algorithm" in the Second International Conference on Advances in Software Engineering and Information Technology (ASIT) -2023 organized by Hinweis Research during 17th June 2023.

viii. Dr. B Tirapathi Reddy presented a paper entitled "Violence prediction system using Bi-LSTM" in 3rd International Conference on Pervasive Computing and social Networking (ICPCSN 2023) organized by Narasu's Sarathy Institute of Technology, Salem, India on 19-20, June, 2023

SEMINAR/CONFERENCE/WORKSHOPS ATTENDED BY STAFF

a) Seminars/Webinars/workshops:

- i. Mrs J.Sirisha participated in a virtual Faculty Master class on "Teach Programming using Java" conducted by Infosys through SpringBoard platform on 28th March, 2023.
- ii. Ms. K. Srivijaya participated in a one day online workshop on "ChatGPT & AI Hacks with MS Office" on 15th June, 2023 at Skill Nation.

b) Faculty Development Programs:

- Dr. Y. Suresh, Dr. K. Pavan Kumar, Mr. B. V. Satish Babu, Mrs. J. Sirisha, Dr. A.Haritha, and Dr. G. Lakshmi participated in one week Online Faculty Development Program on "Foundations and Applications of AI in Healthcare" organized by Department of CSE, Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam, Andhra Pradesh, India in association with ShodhGuru Labs from 16th to 20th January, 2023.
- Dr. D. Kavitha, Mrs. J.Sirisha, Dr. Y.Padma, Dr. G Lakshmi, Mrs. V.Rashmi, Mr. I. M. V. Krishna has successfully completed a one-week Faculty Development Program on "Thesis and Research Paper Writing" organized by NITTR, Kolkata from 30th January to 03rd February, 2023.
- iii. Dr. D. Kavitha, Dr. Y.Padma, Dr. G Lakshmi, Mrs. D.Leela Dharani and Mrs.K. Swarupa Rani has successfully participated in the Faculty Development Program on "Yoga in Daily Life" organized by Department of Computer Science and Engineering in Association with IQAC at PVP Siddhartha Institute of Technology during 13th to 17th February, 2023.
- iv. Dr. K.Pavan Kumar has participated in one week FDP on "Societal Applications of Machine Learning in Big Data Analytics Principles, Techniques and challenges" organized by the department of CSE at Narasimha Reddy Engineering College, Secundrabad during 13th to 18th February, 2023.
- v. Mr. D.Bharadwaj and Mr. B.V.Satish Babu has participated in the ATAL Faculty Development Program (Hybrid Mode) on "Curriculum Development and Innovative Strategies for Effective Implementation of NEP-2020 for Global Presence In Technical Education" organized by All India Council for Technical education(AICTE), ATAL Academy, 06th to 18th February, 2023.
- Mrs. V. Rashmi has participated a five days online International Faculty Development Program on "Data Analytics using Power BI" organized by Department of Information Technology, G Narayanamma Institute of Technology and Science in Collaboration with ExcelR from 20th to 24th March, 2023.
- vii. Dr. B.V.Subba Rao, Dr.A. Haritha, Dr. D. Kavitha, Mrs. V. Rashmi, Mr. Divvela Srinivasa Rao,
 Mr.I. M. V. Krishna, Mrs. K. Swarupa Rani, Mrs. D. Leela Dharani, Mrs J.Sirisha, Mr.
 Ch.Praneeth, Dr.G. Lakshmi, Mr. D.Bhardwaja, Dr. G. Reshma, Dr. S. Sai Kumar has successfully

completed one day FDP on "Research Development and Fund Grant" held on 20th March, 2023 organized by Department of Information Technology, PVPSIT, Vijayawada.

- viii. Dr. A. Haritha, Dr. D.Kavitha, Mrs.J.Sirisha, Dr. G.Lakshmi, Dr Y Suresh, Dr. G. Reshma has participated in one week Faculty Development Programme on "NBA Accreditation and SAR Preparation for polytechnics and Engineering Colleges" organized by NITTR Kolkata from 27th February to 3rd March, 2023.
 - ix. Dr. A. Haritha, Dr. G. Lakshmi has participated in One Week National Level Online Faculty Development Program on "Recent Advances in Data Science, Data Analytics and Cyber Security" organized by the department of CSE at Shri Vishnu Engineering College for Women (A), Bhimavaram from 1st to 5th March, 2023.
 - x. Dr Y.Padma completed a one week online FDP on "Python Programming" organized by IIT Kanpur from 13th to 17th March,2023.
- xi. Dr. B.V.Subba Rao, Dr.V.Siva Parvathi, Mrs. Donepudi Leela Dharani, Mrs. K. Swarupa Rani, Mr. B.V.Satish Babu, Mr. P.Ravi Prakash, Mr. Divvela Srinivasa Rao, Mr.I. M. V. Krishna, Mr. Ch.Praneeth, Mr. D.Bhardwaja, Dr.K.Pavan Kumar, Dr. S. Sai Kumar has successfully participated in the Faculty Development Program on "NBA Accreditation and Document Preparation" organized by National Institute of Technical Teachers Training and Research (NITTTR) Kolkata from 6th to 10th March, 2023.
- xii. Mrs. P. Rajya lakshmi attended 7 day National Level online Faculty Development Program on Outcome Based Education (OBE) organised by St. James College of Nursing and St. James College of Pharmaceutical Sciences, Chalakudy in association with The Kerala State Higher Education Council from 08th to 15th March 2023.
- xiii. Dr. Y. Padma and Mrs. V. Rashmi completed one week Faculty Development Program on "Machine Learning" organized by IIT Kanpur from 27th March to 2nd April, 2023.
- xiv. Mrs. P. Rajya Lakshmi attended one week online Faculty Development Programme on "LATEX Migrate to LaTeX from word" organised by Department of CSE & CSBS, VNRVJIET in collaboration with CSI VNRVJIET SBC from 4th to 9th April, 2023.
- xv. Ms. K.Srivijaya participated in a Two Week FDP on "What we can do with Machine Learning and Artificial Intelligence" organized by CS CODENZ Educational Society, Gudivada from 1st to 13th May, 2023.
- xvi. Dr. B.V. Subba Rao, Dr. B. Tirapathi Reddy, Dr. A. Haritha, Dr. D. Kavitha, Mrs. J. Sirisha, Dr. G. Reshma, Dr. Y. Suresh, Dr. K. Pavan Kumar, Dr. S. Sai Kumar, Dr. V. Siva Parvathi, Ms. K. Swarupa Rani, Mr. P. Ravi Prakash, Dr. Y. Padma, Ms. D.Leela Dharani, Ms. K.Srivijaya, Mr. I.M.V. Krishna, Mr. Ch.Chandra Mohan, Ms. V. Rashmi, Mr. D. Srinivasa Rao, Mr.Ch.Praneeth, Mr. B.V.Satish Babu, Mr. D.Bharadwaja, Ms P.Rajya Lakshmi participated in a one week online FDP on "Data Science" conducted during 15th to 19th May, 2023 at P.V.P Siddhartha Institute of Technology, Vijayawada.
- xvii. Ms. K. Srivijaya and Mr. P.Ravi Prakash participated in a one week National Level Online FDP on "ChatGPT & AI Tools for Educators" organised by marian College Kuttikkanam in association with the Kerala State Higher Education Council from 14th to 21st June, 2023.

- xviii. Mr.Ch. Praneeth attended a one-week Faculty Development Programme on Salesforce Platform Developer1 organized by CSE Department, VRSEC in association with ICT Academy from 05th to 9th June, 2023.
 - Mr.I. M. V. Krishna successfully completed One Week Faculty Development Programme on "Machine Learning-In Practice" organised by Lakkireddy BaliReddy College of Engineering, Mylavaram, NTR Dt, Andhra Pradesh from 19th to 24th June, 2023.
 - xx. Dr. A.Haritha participated in "IP Awareness Training Program" under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India on 25th January, 2023

FACULTY ACHIEVEMENTS

- i. Mr.Ch.Praneeth completed "React JS" course in Infosys Springboard Platform in March.
- Mr. B. V. Satish Babu and Mr. D. Bhardwaja has successfully completed a certification course on "MS-203" by Microsoft certification
- Mrs. K. Swarupa Rani has successfully completed 8 weeks of NPTEL course on "Data Mining" from January to March 2023.
- iv. Mrs. D. Leela Dharani has successfully completed 8 weeks of NPTEL course on "Data Mining" with a consolidated score of 76% from January to March 2023.
- v. Mrs. V. Rashmi awarded a certification of appreciation in recognition of the role as a mentor for the NPTEL Online Certification course "Programming in JAVA" for the duration of July to December 2022session on 13th January, 2023.
- Mr. B. V. Satish Babu, has received mentor certificate in recognition of his role as mentor for the NPTEL certification course "Problem Solving through Programming in C" July to December 2022 session on 13th January, 2023.
- vii. Mr. D. Bharadwaja, has received beat mentor certificate in recognition of his role as mentor for the NPTEL certification course "Problem Solving through Programming in C" from July to December 2022 session on 13th January, 2023.
- viii. Mr.B.V.Satish Babu successfully completed Udemy course on "Block chain Web Development on Ethereum", June 2023.
- ix. Mr. B.V.Satish Babu has successfully completed 30 days Master class on "Web Development Using ReactJS" organized by Pantech eLearning Pvt Ltd in association with APSSDC during 04th January to 3rd February, 2023

FACULTY PARTICIPATION

i. Dr. A. Haritha acted as a Judge for Photography Contest organized by College Cultural Club on 31st March, 2023 on the eve of 25th Annual Day Celebrations.

- Mrs J. Sirisha coordinated the event "Paper craft Design Contest" in SITAR2K3, A National Level Techno Cultural Event during 10th and 11th March, 2023 organized by PVPSIT, Vijayawada.
- iii. Dr. K. Pavan Kumar conducted an event "photography contest" on the eve of 25th Annual Day celebrations of PVPSIT on 31st March, 2023.
- iv. Dr. K. Pavan Kumar acted as a session chair for International Conference on "Artificial Intelligence and its Emerging Areas"- organized by Department of CSE, Narasaropeta Engineering College, Narasaraopeta, on 17th March, 2023.
- v. Dr. G. Reshma acted as a resource person for the hands on session on "Deep Learning using Tensor Flow" at SRKIT, Vijayawada on 3rd and 4th April 2023.
- vi. Dr. K. Pavan Kumar acted as a session chair for the conference "International Conference on Recent Advances in Science, Technology, Engineering and Management [ICRASTEM-2K23]" conducted by department of CSE, VVIT, Guntur on 11th April, 2023.

SPONSORED R&D AND CONSULTANCY ACTIVITIES

- i. Mr. D. Srinivas published a patent titled "Indoor IoT Home Automation Applications with Voice Automation and Operability Integration" with the application number: 202341005390, dated 10/02/2023, Intellectual Property Rights, Government of India.
- Mr. Ch. Praneeth published a patent titled "Intelligent Water Pumping for Fields using IoT" with the application number: 202341024546, Journal Number-16/2023 dated: 21/04/2023, at Intellectual Property Rights, Government of India.
- iii. Mr. B. V. Satish Babu and Mr. D. Bharadwaja published a patent for his invention "Innovative Video Sharing Platform with Keyword Based Timeline Marking and Keyword Tracking" from Intellectual Property India, Government of India, New Delhi-110075, dated: 21/04/2023

STUDENT ACHIEVEMENTS

a) Publications

- II Year student SK.Arif (21505A1210) published a paper titled "Exploring the Intersection of Psychology and Artificial Intelligence" in IJIRT, ISSN: 2349 – 6002, Volume 9 Issue 10, March 2023.
- G. Reshma, B. Siri Chandana, B. Nitish, D. SitaRam and Dr. B. V. Subba Rao published a paper entitled "Applying Machine Learning for Driver Drowsiness Detection System in International Journal of Emerging Technologies & Innovative Research (JETIR), Vol 10, Issue 4, ISSN: 2349-5162, pp. 167-172, April 2023.
- iii. T. Swetha Chowdhary, M. Suma Sri, P. Naga Hema, Dr. S. Sai Kumar, published a paper titled "House Price Prediction Using Machine Learning Algorithms" in International Journal of

Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.10, Issue 4, page no. 417-421, April-2023.

- iv. V. Iswarya Kumari, Mrs. J. Sirisha, T. Lakshmi Prasanna, M. Jaya Tanuja, M. Rishitha published a paper titled, "SMS Spam Detection" in International Journal of Creative Research Thoughts (IJRCRT), Vol-11, Issue-4, pp. f536-f541, ISSN: 2320-2882, April- 2023.
- v. B. Radhika, G. Sai Teja, M. Sri Lekha, Mrs. J. Sirisha, published a paper along with Final Year students titled, "Store Item Demand Forecast" in International Journal of Scientific Research in Engineering and Management (IJSREM), Vol-7, Issue-4, pp. 1-4, ISSN: 2582-3930, April- 2023.
- vi. Sk. Tabassum Fathima, Dr. Y. Padma, Y. Yougender, S. Sreya, M. Yaswini published a paper titled "Customer Churn Prediction in the Financial Sector using Supervised Machine Learning Techniques" in Internation Journal of Novel Research and Development (IJNRD), Vol 8,Issue 4,April 2023 with ISSN:2456-4184, pp. f564-f568.
- vii. B. Sai Mahitha, M. Gayathri, G. Prem Prathyush, G. Sai Siddharth, Dr. D. Kavitha published a paper on "Personalized Cancer Prognosis using Logistic Regression" in Journal of Emerging Technologies and Innovative Research, Vol: 10, Issue: 4, Page No: 410-416 with ISSN: 2349-5162, April 2023.
- V. Pravallika, N. Kavya Sri, A. Sravani, Mr. I.M.V. Krishna published a paper titled "Online Mobile Price Prediction Using ML" in Journal of Emerging Technologies and Innovative Research, Vol. 10, Issue. 4, pp. h489~h492, ISSN: 2349-5162, April 2023.
 - ix. D.Srilatha, G.Poojitanjali, K.Saikruthi, A Venkata Sai Ramana and Dr. G.Lakshmi presented a paper entitled "Diabetes Prediction using machine Learning Algorithms" at 11th International Conference on Recent Challenges in Engineering and Technology (ICRCET 2023) organized by Institute for Engineering Research and Publication, Jakaratha, Indonesia, on 16th -17th June, 2023. (SCOPUS Indexed).

b) Co-curricular Activities:

- i. III year students N.Brahmani and Ch.Ranga Karthik bagged second position in Technical Quiz in SITAR 2k23 organized by PVPSIT during 10th and 11th March, 2023.
- K.Bharadwaj (20501A1262) was awarded with 2nd prize in PVPSIT Annual day function (2022-23) for his II year academics (2021-22).
- iii. N. Charuhasini (21501A1283) was awarded with 1st prize in PVPSIT Annual day function (2022-23) for her I year academics (2021-22).
- iv. K.Deepak kumar (21501A1260) was awarded with 2nd prize in PVPSIT Annual day function (2022-23) for his I year academics (2021-22).

c) Extra-curricular Activities:

- i. D.Nithin(21501A1284), II year student bagged 2nd position in Chess Men at BECTAGON-2k23 organized by Baptla Engineering College during 3rd and 4th March, 2023.
- ii. II Year student K. Deepak kumar (21501A1260) received certificate of merit as winners of Kabaddi (M) in the college Annual sports, PVPSIT, during 2022-23.

- iii. II Year student D. Nithin (21501A1284) received 2nd Prize and certificate of merit as winners of Chess(M) in the college Annual sports, PVPSIT, during 2022-23.
- II Year student M. Ram Mohan Rao (21501A1280) received certificate of merit as winners of Shuttle Badminton Double(M) in the college Annual sports, PVPSIT, during 2022-23.
- v. II Year student B.Hemanth Nayak (21501A1215) received certificate of merit as winners of Shuttle Badminton Double(M), Volley ball(M) in the college Annual sports, PVPSIT, during 2022-23
- vi. II Year student G. Ashok Kumar(21501A1241) received certificate of merit as winners of Kabaddi(M), Volley ball(M), Kho Kho(M) in the college Annual sports, PVPSIT, during 2022-23.
- vii. III Year student Sujan Chowdary Puvvada (20501A12B3) received shield of appreciation on receiving 4 Gold and 1 Silver medal in JNTUK, Kakinada Inter Collegiate Swimming Tournament in the college Annual sports, PVPSIT, during 2022-23.
- viii. II Year student M. Vasanth Vardhan (21501A1271) won second prize in the Photography event, Inter Collegiate competitions organized by Literary and cultural club during the college Annual sports, PVPSIT, 2022-23.

d) Coursera/NPTEL Details of the students:

- i. A total of 5 students from II year completed a course "Foundations of User Experience (UX) Design from Google" on Courseera on 31st January, 2023.
- ii. Five students from III B. Tech completed "Java Programming Fundamentals" course in Infosys Springboard Platform in January month.
- iii. One student from II B. Tech completed "Programming in C++" course in Infosys Springboard Platform in January month.
- iv. 54 students from II and III B. Tech completed "Basics of Python" course in Infosys Springboard Platform during Feb May months.
- v. 37 students from II and III B. Tech completed "Java Script" course in Infosys Springboard Platform in April June months.
- vi. 31 students from III B. Tech completed "React JS" course in Infosys Springboard Platform in March June months.
- vii. Two students from II B. Tech completed "Python Foundation Certification" course in Infosys Springboard Platform in April month.
- viii. Two students from III B. Tech completed "CSS3", "HTML5 The Language", and "Creating Responsive Web Pages using Bootstrap 4" courses in Infosys Springboard Platform in April month.
 - ix. A total of 113 students of IT department have successfully completed "C" test organized at Prasad
 V. Potluri Siddhartha Institute of Technology by Department of Computer Science & Engineering
 conducted remotely from IIT Bombay, offered by the Spoken Tutorial Project, IIT Bombay.
 - x. A total of 116 students of IT Department have successfully completed "Cpp" test organized at Prasad V. Potluri Siddhartha Institute of Technology by Department of Computer Science &

Engineering conducted remotely from IIT Bombay, offered by the Spoken Tutorial Project, IIT Bombay.

- xi. 1 student from department of IT completed NPTEL course on 'Problem Solving Through Programming in C' from Jan 2023 to April 2023.
- xii. 1 student from department of IT completed NPTEL course on 'Programming in JAVA' from Jan 2023 to April 2023.

e) Internships:

- i. A student Veturi Lakshmi Prathyusha(19501A12C1) from IV B.Tech selected and joined for internship in "IBM" for the period of 11-01-2023 to 01-07-2023 with stipend Rs.30,000/-
- ii. Two students from IV year selected and joined for internship in "Virtusa" for the period of 30-01-2023 to 28-04-2023.
- 25 students completed their Virtual Internships in "Cyber Security" from AICTE Eduskills from December 2022 to February 2023.

f) Higher Education:

i. 2 students from IV B.Tech qualified in IELTS, one student qualified in PTE and one student qualified in DULINGO.

PLACEMENTS

A total of 112 placements are bagged by 2019-23 students with a highest pay package of 11LPA and with lowest pay package of 3 LPA.

S.No	Stid	Student Name	COMPANY1	PACKAGE		
	BETWEEN 10LPA TO 20LPA					
1	19501A12C1	VETURI LAKSHMI PRATHYUSHA	IBM	11LPA		
	BETWEEN 5LPA TO 10LPA					
2	19501A1202	Addanki Lavanya	Capgemini	7.50 LPA		
3	19501A1233	Gullapalli SaiTeja	Capgemini	7.50 LPA		
4	19501A1254	Lankalapalli Arun sai Rohith	Capgemini	7.50 LPA		
5	19501A1290	Pranavi Naidu Pothana	Capgemini	7.50 LPA		
6	19501A12B6	Veeramsetty Iswarya Kumari	Capgemini	7.50 LPA		
7	19501A1237	GUNTI PAVAN DURGA KUMAR	TCS Digital	7.00 LPA		
8	19501A1247	KAVURI HAIMA MALLIKARJUNA RAO	TCS Digital	7.00 LPA		
9	19501A12B5	VAJJIPARTHI N VENKATA SAI DURGA PRAVALLIKA	TCS Digital	7.00LPA		
10	19501A1278	Naga Syamala Sowmya Pitchuka	CTS-GenC Next	6.75 LPA		
11	19501A12B9	Akshara Vemuri	Accenture-AASE	6.50 LPA		
12	19501A1209	BHEEMINENI SAI MAHITHA	Virtusa	6.00 LPA		
13	19501A1213	CHALLA GOLLA BHAVYA SRI	Virtusa	6.00 LPA		
14	19501A1216	DAMA SRILATHA	Virtusa	6.00 LPA		

15	19501A1232	GULLAPALLI RESHMA	Virtusa	6.00 LPA
16	19501A1245	KALAVAPUDI JAYANTH KRISHNA	Virtusa	6.00 LPA
17	19501A1252	KOTA PRAVALLIKA	Virtusa	6.00 LPA
18	19501A1256	M VENKATA PRATHYUSHA	Virtusa	6.00 LPA
19	19501a1270	MORAMPUDI BHAVYA	Virtusa	6.00 LPA
20	19501A1272	M SRIRAMA CHANDRA	Virtusa	6.00 LPA
21	19501A1274	MULLANGI JAHNAVI	Virtusa	6.00 LPA
22	19501A1275	M POORNACHANDRA RAHUL	Virtusa	6.00 LPA
23	19501A1277	N VENKATA SANJANA NAIDU	Virtusa	6.00 LPA
24	19501A1289	POLISETTY NAGA ANUPRIYA	Virtusa	6.00 LPA
25	19501A1292	RAVELLI BHARATH	Virtusa	6.00 LPA
26	19501A1297	SAKHAMURI HARSHAVARDHAN	Virtusa	6.00 LPA
27	19501A12A6	SHAIK TABASUM FATHIMA	Virtusa	6.00 LPA
28	19501A12B2	THOTA INDU PRIYA	Hexaware (PGET)	6.00 LPA
29	19501A12C3	YARLAGADDA LEELA SRI	Virtusa	6.00 LPA
30	20505A1201	KALAKONDA SAI KRUTHI	Virtusa	6.00 LPA
31	20505A1203	NALLURI LAKSHMI SAI	Virtusa	6.00 LPA
32	19501A1255	LOYA SRAVANI	Torry Harris	5.00 LPA
33	19501A12A2	SK ARSHIYA MAHABOOBUNISA	Torry Harris	5.00 LPA
		<5LPA	I	
34	19501A1201	Durga Grishmitha Abburi	Accenture	4.50 LPA
35	19501A1204	Ram Trivedh Araja	Accenture	4.50 LPA
36	19501A1205	Bindu Priya Darshini Arepalli	Accenture	4.50 LPA
37	19501A1219	Chaitanya Dodda	Accenture	4.50 LPA
38	19501A1221	Vishnu Vardhan Gadde	Accenture	4.50 LPA
39	19501A1228	Yamuna Garimella	Accenture	4.50 LPA
40	19501A1230	Sushma Gogulamudi	Accenture	4.50 LPA
41	19501A1240	Harini Jasti	Accenture	4.50 LPA
42	19501A1241	Sumanth Indupalli	Accenture	4.50 LPA
43	19501A1243	Tejasree Kakarala	Accenture	4.50 LPA
44	19501A1246	Katragadda Kaushanthi Devi	Accenture	4.50 LPA
45	19501A1249	Murari Kogili	Accenture	4.50 LPA
46	19501A1260	Priyanka Manam	Accenture	4.50 LPA
47	19501A1261	Sri Lekha Mandava	Accenture	4.50 LPA
48	19501A1263	Gayathri Mareedu	Accenture	4.50 LPA
49	19501A1267	Meduri Jaya Tanuja	Accenture	4.50 LPA
50	19501A1268	Mekathoti Sushma Sri	Accenture	4.50 LPA
51	19501A1271	Morampudi Keerthi	Accenture	4.50 LPA
52	19501A1280	Kasi Mounika Nanduri	CTS-GenC Elevate	4.50 LPA
53	19501A1283	Kavya Sri Nukala	Accenture	4.50 LPA
54	19501A1284	Naga Hema Peddi	Accenture	4.50 LPA

55	19501A1285	Jyothi Naga Aruna Penumarthi	Accenture	4.50 LPA
56	19501A1286	Phanindra Kanuru	Accenture	4.50 LPA
57	19501A1288	Polavaram Kavya Sri	CTS-GenC Elevate	4.50 LPA
58	19501A1294	Rishitha Myneni	Accenture	4.50 LPA
59	19501A1295	Indu Rudrapati	Accenture	4.50 LPA
	19501A1296	Sajja Sreya	Accenture	4.50 LPA
60	19501A1298	Gayathri Salemdam	Accenture	4.50 LPA
61	19501A1298	Dimpu Aman Salivendra	Accenture	4.50 LFA
62	19501A1299	Parvez Shaik	Accenture	4.50 LPA
63	19501A12A3	Shaik Rihana		4.50 LPA 4.50 LPA
64			Accenture	
65	19501A12A5	Shaik Shoaib Ahmed	Accenture	4.50 LPA
66	19501A12A7	Jahnavi Sivakoti	Accenture	4.50 LPA
67	19501A12A8	Sraavani Arise	Accenture	4.50 LPA
68	19501A12A9	Saripalli Swetha	Accenture	4.50 LPA
69	19501A12B0	Tahseen Kausar	Accenture	4.50 LPA
70	19501A12B1	Lakshmi Prasanna T	Accenture	4.50 LPA
71	19501A12B3	Praneeth Babu Thota	Accenture	4.50 LPA
72	19501A12B4	Swetha Chowdary Tummala	Accenture	4.50 LPA
73	19501A12B7	Keerthi Veginati	Accenture	4.50 LPA
74	19501A12C2	Pardhasaradhi V	Accenture	4.50 LPA
75	19501A12C4	V N L Konda Babu Yarramsetti	Accenture	4.50 LPA
76	19501A12C7	Sri Ram Yerneni	Accenture	4.50 LPA
77	19501A12C8	Yoshitha Madala	Accenture	4.50 LPA
78	20505A1205	Naga Sai Manikanta Penugonda	Accenture	4.50 LPA
79	20505A1207	Rattaiah Rayapureddi	Accenture	4.50 LPA
80	20505A1209	Lohith Thentu	Accenture	4.50 LPA
81	20505A1211	Swathi Yara	Accenture	4.50 LPA
82	19501A1214	Cheemakurthi Sudha Bhargavi	Capgemini	4.25 LPA
83	19501A1220	Gadde Apoorva	Capgemini	4.25 LPA
84	19501A1222	Gampa Lavanya	Capgemini	4.25 LPA
85	19501A1239	Gutta Aswani	Capgemini	4.25 LPA
86	19501A1250	Madhan Komalla	Capgemini	4.25 LPA
87	19501A1265	Pavani Matlapudi	Capgemini	4.25 LPA
88	19501A1279	NAGABHAIRU VISHNU PRIYA	Capgemini	4.25 LPA
89	19501A1282	Naramaneni sowmya	Capgemini	4.25 LPA
90	20505A1206	RAVULAPALLI CHARAN	Capgemini	4.25 LPA
91	20505A1210	VADISELA SASI KUMAR	Capgemini	4.25 LPA
92	19501A1206		Qspiders	4.00 LPA
92	19501A1208	BATTULA HEMA BINDU	CTS-GenC	4.00 LPA
93 94	19501A1210	BODASINGU NITISH	Sonata Software	4.00 LPA
94 95	19501A1210	MAMATHA GORANTLA	Sonata Software	4.00 LPA

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96	19501A1248	KODI VARUN	CTS-GenC	4.00 LPA
97	19501A1251	Siva Krishna Kondru	CTS-GenC	4.00 LPA
98	19501A1257	Maganti Jahnavi	Hexaware	4.00 LPA
99	19501A1258	MALLA DIVYA SRI	CTS-GenC	4.00 LPA
100	19501A1273	YASWANTH MUKKAMALA	Qspiders	4.00 LPA
101	19501A1281	NANNAM AKHIL	CTS-GenC	4.00 LPA
102	19501A1287	PIDAMARTHY SIRISHA	Sonata Software	4.00 LPA
103	20505a1202	SUREKHA NAGA LANKA	CTS-GenC	4.00 LPA
104	19501A1207	BANDI RADHIKA	Destination Technologies	3.00 LPA
105	19501A1235	GUNDU VENKATA SAI KARTHIK	Destination Technologies	3.00 LPA
106	19501A1236	GUNJA SRINIVAS	Destination Technologies	3.00 LPA
107	19501A1238	GUNTUR NIKHIL HARSHA	Destination Technologies	3.00 LPA
108	19501A1293	RAVIPATI TRIVENI	Destination Technologies	3.00 LPA
109	19501A12B8	VELLANKI PAVAN KUMAR	Destination Technologies	3.00 LPA
110	19501A12C5	YASWINI MADALA	Destination Technologies	3.00 LPA
111	20505A1204	PAPPALA DIVYA NAGA SRI	Destination Technologies	3.00 LPA
112	20505A1208	SYED LUKHMAN	Destination Technologies	3.00 LPA

OTHERS

- i. Board of Studies meeting of Information Technology department is conducted on 21st January, 2023 in online mode. The Internal BOS members and following external BOS members are attended the meeting: Dr. Madhu Mutyam, Professor, IIT, Madras, Dr. R. Bala Venkata Subramanyam, Professor, NIT, Warangal, Sri G V Rajesh, Senior Principal Engineer, Phenom People, Hyderabad, Sri SD Kamalakar L, Technical Lead/Manager, Wipro, Telangana and Dr. K. Shahu Chatrapati, Professor, Dept of CSE, JNTUH, Hyderabad.
- ii. Department of IT conducted parents meet on 25th March, 2023.
- Department of IT organized an industrial visit for III Year B.Tech students at "FLOPPE DRONE TECH PVT LTD", Kankipadu on 27th April 2023.
- Department of Information Technology received a consultancy project titled "Home Automation System" from Sefe Automation Systems Private Limited, ECIL, Hyderabad worth of Rs.85,000/in June, 2023.
- v. Board of Studies meeting of Information Technology department is conducted on 3rd June, 2023 in online mode. The Internal BOS members and following external BOS members are attended the meeting: Dr. Madhu Mutyam, Professor, IIT, Madras, Dr. R. Bala Venkata Subramanyam, Professor, NIT, Warangal, Sri G V Rajesh, Senior Principal Engineer, Phenom People, Hyderabad, Sri SD Kamalakar L, Technical Lead/Manager, Wipro, Telangana and Dr. K. Shahu Chatrapati, Professor, Dept of CSE, JNTUH, Hyderabad.
- vi. Department of IT entered with an MOU with Codegnan IT Solutions Vijayawada on 11th January, 2023.

Pegasus Spyware

- Pegasus spyware is a **highly invasive mobile surveillance tool** that can secretly infiltrate and monitor smartphones, collecting data and information from various apps and sources.
- It was developed by the **Israeli cyber-intelligence firm NSO Group**, which claims to sell it only to government agencies for fighting crime and terrorism.

NSO emphasizes mechanisms in place to avoid targeting journalists, lawyers, and human rights defenders not involved in terror or serious crimes



Operating Procedure:

- Pegasus uses "zero-click" methods to infect devices; it is a malicious software that allows spyware to be installed on a device without the device owner's consent.
 - The spyware doesn't necessitate any user actions for installation, distinguishing it from **regular apps that require explicit user confirmation.**
 - It can exploit vulnerabilities in apps such as WhatsApp, iMessage, or FaceTime, and send a message or a call that triggers the installation of the spyware, even if the user does not open or answer it.
- Pegasus is a spyware that can **exploit zero-day vulnerabilities** to deploy spyware on Apple products.
 - A zero-day vulnerability is an **undiscovered flaw or bug** in an operating system that the mobile phone's manufacturer does not yet know about and so has **not been able to fix.**

Targets:

- Several investigations and reports have revealed that Pegasus spyware has been used to spy on **journalists**, **human rights activists**, **lawyers**, **opposition leaders**, **and heads of state**.
- Some of the countries that have been accused of using Pegasus spyware to target their critics and enemies include Saudi Arabia, Mexico, India, Morocco, Hungary, Azerbaijan, and Rwanda.

Implications:

- Pegasus spyware threatens **privacy and security** for individuals and groups exposing corruption, defending human rights, and advocating democracy.
- It undermines **press freedom by exposing journalists' sources,** methods, and materials, compromising their independence.
- The spyware poses a risk to the sovereignty and stability of nations, enabling foreign interference and **espionage in internal affairs and decision-making processes.**

Challenges:

- Pegasus spyware is difficult to detect and remove, as it can hide its presence and activity on the device, and can **self-destruct** if it senses that it is being discovered or analyzed.
- Pegasus spyware is difficult to regulate and control due to its operation in legal grey areas.
 - NSO Group and its clients commonly deny or evade responsibility for the misuse and abuse of spyware.

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MOU with Codegnan IT Solutions



BOS meetings of Department



DAB Meeting



Paper Craft Competition



IQAC External Audit in Department



Parents meet on 25th March, 2023



Industrial visit for III B.Tech students at "FLOPPE DRONE TECH PVT LTD", Kankipadu on 27th April 2023



PVPSIT HACKATHON 2023



Entrepreneur and Startup Initiation Programs

EBATE PETITION



Vijayawada, Andhra Pradesh, India FMQV+6MH, Chalasani Nagar, Kanuru, Vijayawada, Andhra Pradesh 520007, India Lat 16.487638° Long 80.693953° 11/03/23 12:58 PM GMT +05:30

🛯 GPS Map Camera

🛯 GPS Map Camera



Vijayawada, Andhra Pradesh, India FMQV+6MH, Chalasani Nagar, Kanuru, Vijayawada, Andhra Pradesh 520007, India Lat 16.487658° Long 80.693968° 10/03/23 03:03 PM GMT +05:30



SITAR2K23 Events in IT Department





Dr.G.Reshma as resource person for "Deep Learning using Tensor Flow"



Faculty as Judge



Alumni of IT