

## **PVPSIT NEWS**

# A Half Yearly News Letter Department of Information Technology

PVP Siddhartha Institute of Technology (Sponsored by Siddhartha Academy of General and Technical Education)

(Sponsored by Siddhartha Academy of General and Technical Education)

NBA Accredited and ISO 9001: 2015 certified Institution

Kanuru, Vijayawada- 520 007

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Don't talk, just act. Don't say, just show. Don't promise, just prove.



## GUEST LECTURES/WORKSHOPS CONDUCTED BY THE DEPARTMENT

- Conducted a training program on Interactive Flat Panel to the Government School Teachers of Andhra Pradesh from 3<sup>rd</sup> to 8<sup>th</sup> July, 2023 in association with APSCHE. Trainers: Faculty of IT -Mr D.Bharadwaja and Mrs.P.Rajya Lakshmi.
- ii. A guest lecture on "Available Opportunities to Get M.S. in Abroad and its Guidelines" for III B.Tech students of IT in association with Department of Alumni Committee on 13<sup>th</sup> July, 2023. Resource Person: R.Sai Vardhani(Alumni of IT), M.S, Cincinatti University, U.S.A.
- iii. A webinar on "How to Crack Accenture" for IV B.Tech students of IT in association with Department of Alumni Committee on 29<sup>th</sup> July, 2023. Resource persons: Alumni of IT department Miss V. Akshara (19501A12B9), Advanced App Engineering Associate and Mr. Ch. Chandra Mouli (16501A1219), Custom Software Engineer Analyst from Accenture.
- iv. A workshop on "Competitive Programming using C with Algorithms Phase I" for the benefit of II B.Tech IT Students in association with ISTE chapter, PVPSIT from 26<sup>th</sup> to 28<sup>th</sup> July, 2023. Resource Person: Mrs. Kiranmayi Senior Trainer, Coign Technologies, Hyderabad.
- v. One week workshop on "Competitive Programming using C with Algorithms Phase-II" from 02<sup>nd</sup> to 5<sup>th</sup> August, 2023 for all II B.Tech Students of IT in association with ISTE chapter. Resource Person: Mrs. Kiranmayi Senior Trainer, Coign Technologies, Hyderabad.
- vi. One day Seminar on "Career Opportunities through GATE" in association with CSI to III & IV B.Tech IT Students on 22<sup>nd</sup> September, 2023. Resource Person: Mr.Sourav Upadhyay, GATE Trainer, IMS GATE Academy, Vijayawada. Coordinator: Ms. K.Sri Vijaya.

- vii. A Contest named "Ideate" for the students of IT in association with ISTE Student Chapter on the occasion of Engineers Day on 15<sup>th</sup> September, 2023. Coordinators: Mr. P.Ravi Prakash, Mrs. K. Swarupa Rani and Ms. K. Srivijaya.
- viii. A Two-day workshop on "Salesforce Technologies" for the students of III B.Tech IT in association with ISTE from 22<sup>nd</sup> to 23<sup>rd</sup> September, 2023. Resource person: Ms. T Divya Sri, Senior Developer, TCS, Hyderabad. Coordinators: Dr. S. Sai Kumar and Mr.Ch. Praneeth.
  - ix. A Three day Online Student Enablement Program (SEP) on "Artificial Intelligence" by Infosys Limited, Bangalore using Infosys Springboard Platform for interested students from III B.Tech during 13<sup>th</sup> to 15<sup>th</sup> September, 2023. Resource person: Mrs R.Girija, Senior Analyst Education, Training & Assessments, Infosys Limited, Bangalore. Coordinator: Dr J.Sirisha
  - x. A Two Days Workshop on "Enhancing Analytical Thinking Skills" from 05<sup>th</sup> to 06<sup>th</sup> October, 2023 in association with CSI Student Chapter. Resource person: Mr. G. Mahesh Deputy Manager Proviti Global Business Consulting Hyderabad. Coordinators: Mr. P. Ravi Prakash, Mr. Ch. Praneeth and Ms. K. Sri Vijaya.
  - xi. A webinar on "Artificial Intelligence in Cyber security" for the benefit of II B.Tech IT students on 24<sup>th</sup> November, 2023 in association with NDLI. Resource Person: Mr. G. Murali Mohan Reddy, Solution Architect, Zensar Technologies, PUNE.
- xii. An awareness program on "Road Safety and Traffic Rules" with the II B.Tech IT students on 4<sup>th</sup> November, 2023. Coordinator: Ms. K. Sri Vijaya.
- xiii. A guest lecture on "Enterprise Resource Planning" for the benefit of IV B. Tech students on 23<sup>rd</sup> December, 2023. Resource person: V.S.S.N. Praneetha, Sr. Business Analyst, Lam Research, Bengaluru. Coordinator: Department Alumni Committee.
- xiv. Department Alumni Committee organized a Seminar for the benefit of III B. Tech students on "Prompt Engineering" on 23<sup>rd</sup> December, 2023. Resource person: K.Naga Yogita, Project Manager, Syphonize Enterprise Solutions, Vijayawada.

### PAPERS PUBLISHED BY STAFF

- i. Mrs. V. Rashmi and Mr. Ch. Chandra Mohan published a paper titled "Experimental Investigations to Fault Reduction System for Software Applications" in *Ingénierie des* Systèmes d'Information with ISSN:1633-1311, Vol. 28, Issue No. 3, pp. 567-573, June, 2023.(Received in July).
- ii. Dr. S. Sai Kumar, Dhruva R. Rinku, A. Pradeep Kumar, Rekharani Maddula and C. Anna Palagan published a paper titled with "An IoT Framework for Detecting Cardiac Arrhythmias in Real-Time using Deep Learning Resnet Model" in *Measurement: Sensors*, Volume 29, Issue 100866, July 2023, ISSN-2665-9174, PP:1-6.
- iii. Dr. J. Sirisha published a paper titled "Study on Patents in Genomics and Human Genetics" in *African Journal of Biological Sciences* in Vol:05, Issue:03, pp.1-8, ISSN: 2663-2187, *July-2023*.

- iv. Dr. D. Kavitha published a paper titled "An Ensemble Learning Approach for Multi-Modal Medical Image Fusion using Deep Convolutional Neural Networks" in International Journal of Advanced Computer Science and Application in Volume No.14, Issue No. 08, August, 2023 with ISSN: 2156-5570, pp. 758-769.
- v. Dr. A. Haritha published a paper titled "Analysis of Data's Privacy and Anonymity Aspects of Contact Tracing Apps via Smartphones A Use Case of COVID-19," in *Journal of Mobile Multimedia*, Vol 19, Issue 05, 1255–1276, ISSN: 1550-4646, August 2023.
- vi. Dr K. Pavan Kumar and Dr.Y. Suresh published a paper titled "Image Feature Encoding using Lowerization Tensor" in *International Journal of Mathematical Statistician and Engineering Applications*, with ISSN: Vol 72, No. 2 (2023), pp:204-211, September, 2023.
- vii. Dr Y. Suresh published a research article titled "Design and Implementation of a Wireless Communication-based Sprinkler Irrigation System with Seed Sowing Functionality" in *SN Applied Science Journal*, E-ISSN: 2523-3971, Vol 5, article number 379, 2023. DOI: https://doi.org/10.1007/s42452-023-05556-9.
- viii. Mr.D.Bharadwaja published a paper titled "A Hybrid Deep Learning–Based Remote Monitoring Healthcare System using Wearable Devices" in *International Journal of Advanced Computer Science and Applications*(IJACSA) with ISSN in Vol. 14, No. 11, 2023.
  - ix. Dr. B.V.Subba Rao published a paper titled "Unicode-driven Deep Learning Handwritten Telugu-to-English Character Recognition and Translation System" in *International Journal on Recent and Innovation Trends in Computing and Communication* with ISSN: 2321-8169, Volume 11, Issue 10, Pages: 344-359, November, 2023.
  - x. Mr.B.V.Satish Babu published a paper titled "Context-Driven Multigranularity Blockchain: A Comprehensive Framework for Secure Data Management" in *International Journal of Innovative Research in Computer Science and Technology (IJIRCST)* with ISSN (online): 2347-5552, Volume-11, Issue-6, November, 2023.
  - xi. Mrs. K. Swarupa Rani published a paper titled "Automating Daily Task in Manufacturing and Production Sites via Machine Learning Intelligence" in *International Journal of Intelligent Systems and Applications in Engineering* with ISSN: 2147-6799, Vol. 12, No. 7S (2024), Page. No: 47-56, December 2023.
- xii. Mr. D Bharadwaja published a paper titled "Deep Learning Algorithm Using Densenet to Enable Big Data Analytics in Large WiFi Systems" in *International Journal of Intelligent Systems and Applications in Engineering* with ISSN: 2147-6799, Vol. 12, No. 7S (2024), Pp: 326 331, December 2023.
- xiii. Mrs. D. Leela Dharani published a paper titled "Efficient Project Management in Construction Sites to Monitor and Track the Employees using Multi-Modal Deep Learning Model" in *International Journal of Intelligent Systems and Applications in Engineering* with ISSN: 2147-6799, Vol. 12, No. 7S (2024), Pp. 309-319, December 2023.
- xiv. Ms. K. Srivijaya published a paper titled "Automated Seizure Detection using Machine Learning Algorithm in Very Large Scale Integration" in *International Journal of Intelligent Systems and Applications in Engineering* with ISSN: 2147-6799, Vol. 12, No. 7S (2024), Pp: 1-6, December 2023.

- xv. Mr. I. M. V. Krishna published a paper titled "An Impact of Employee Performance in Enterprise Turnover using Grid based Machine Learning Model" in *International Journal of Intelligent Systems and Applications in Engineering* with ISSN: 2147-6799, Vol. 12, No. 7S (2024), Pp. 332-336, December 2023.
- xvi. Mr.P.Ravi Prakash published a paper titled "Regression based Modelling to Predict the Undergraduate Students Performance after Pandemic in Educational Institutions" in *International Journal of Intelligent Systems and Applications in Engineering* with ISSN: 2147-6799, Vol. 12, No. 7S (2024), Pp:57–66, December 2023.
- xvii. Mr.P.Ravi Prakash published paper titled "Analytic Hierarchy Progress- based Evaluation Approach for Digital Technology Service Management" in *Journal of Theoretical and Applied Information Technology* with ISSN 1992-8645, E-ISSN: 1817-3195,Vol 101, No.24 Pp:8407-8422, December 2023. https://www.jatit.org/volumes/Vol101No24/39Vol101No24.pdf
- xviii. Dr. S. Sai Kumar published a paper titled "Thermal Heat Transfer in Renewable Sources Using Machine Learning Mechanism" in *International Journal of Intelligent Systems and Applications in Engineering* with ISSN 1992-8645, E-ISSN: 1817-3195, Pp:36-41, December 2023.
  - xix. Dr. B. V. Subba Rao published a paper titled "Image Caption Generation Using Recurrent Convolutional Neural Network" in *International Journal of Intelligent Systems and Applications in Engineering* with ISSN 1992-8645, E-ISSN: 1817-3195, pp: 76-80, December 2023.
  - xx. Dr. Y.Padma published a paper titled "Crop, Fertilizer and Pesticide Recommendation using Ensemble Method and Sequential Convolutional Neural Network" in *International Journal of Intelligent Systems and Applications in Engineering (IJISAE)*, ISSN :2147-6799, Volume 12, Issue 02, 2024, pp : 473-485.
  - xxi. Dr. D. Kavitha published a paper titled "Hyper spectral Image Classification using Dimensionality Reduction Deep Networks" in *International Journal of Intelligent Systems and Applications in Engineering* with ISSN: 2147-6799, Vol. 12, No. 7S (2024), Page No: 81-86, December, 2023.
- xxii. Dr. B. V. Subba Rao and Dr. S. Sai Kumar published a paper titled "Exterminate Inconsistencies and Errors from Data Sets with Data Sanitization" in *International Journal of Emerging Technologies and Innovative Research (www.jetir.org)* with ISSN: 2349-5162, Vol.10, Issue 12, page no.f1-f4, December, 2023.
- xxiii. Dr G Lakshmi published a paper titled "Monitoring and Identification of Various Glucose Levels of Diabetes Patients Using Edge Based Machine Learning Approach" in *Journal of Electrical Engineering and Technology*, ISSN: 1975- 0102, vol 18, issue 5, pp 1-9, August, 2023(SCI).
- xxiv. Dr. B. V. Subba Rao published a paper titled "Sugarcane yield prediction using NOA- based swin transformer model in IoT smart agriculture" in *Journal of Applied Biology & Biotechnology* with ISSN / eISSN: 2455-7005 / 2347-212X, Vol. X(XX), Pp. 1-9, December 2023. DOI: 10.7324/JABB.2023.157696(SCI)
- xxv. Dr. K.Pavan Kumar published a paper titled "Optimizing Network Security and Performance Through the Integration of Hybrid GAN-RNN Models in SDN-based Access Control and

- Traffic Engineering" in *International Journal of Advanced Computer Science and Applications*, Vol. 14, No. 12, 2023, pgNo:596-606 (Web of Science + Scopus index pending)
- xxvi. Dr. S. Sai Kumar, Ch. S. Deekshita, Ch. Aakash and G. Saideep published a paper titled "Data Visualization of Addicted Population of People towards Bad Habits throughout the World" in Journal of Emerging Technologies and Innovative Research in Volume: 10, Issue: 7, ISSN: 2349-5162, pp:f466-f472, July 2023.
- xxvii. Dr Y Suresh published a paper titled "An Approach of Stipulation Change Management using Cloud Computing" in *International Journal on Recent and Innovation Trends in Computing and Communication*, ISSN: 2321-8169, Volume: 11 Issue: 8, pp.232-235, July, 2023.
- xxviii. Dr. K. Pavan Kumar, Dr Y Suresh, Dr. P. E. S. N Krishna Prasad, Ch. V K N S N Moorthy, A S Sai Prasad published a paper titled "Image Feature Encoding using Lownerization Tensor" in *Journal of Theoretical and Applied Information Technology*, ISSN: 1992-8645, Vol 101, Issue No:17, pp.6875-6884, September 2023.
- xxix. Mr. B. V. Satish Babu 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 and is published in Grenze International Journal of Engineering and Technology (GIJET), Volume: 9, Issue 2, ISSN: 2395-5295s.
- xxx. Dr. G. Lakshmi presented a paper titled "Social Distance Monitoring Framework for *Covid-19 using Deep Learning*" published in AIP Conference Proceedings, July 14 2023.
- xxxi. Dr.D.Kavitha and Dr. BV Subbarao published a paper titled "Machine Learning Enabled IoT based Fire Accident Detection System" in *AIP Conference Proceedings* 2796, 140003 (2023) with the https://doi.org/10.1063/5.0162480 in July, 2023.
- xxxii. Dr. B. Tirapathi Reddy, Ms. Velagapudi Anuhya, Ms. Velagapudi Ananya, Ms. Kode Likhitha presented a paper titled "Image Processing for Human Body Weight Prediction" in *Hinweis International Conference on Computer Science, Cyber Security and Information Technology [CCIT]* and published in *Grenze International Journal of Engineering and Technology, Grenze ID: 01.GIJET.9.2.40* © Grenze Scientific Society, July 2023.
- xxxiii. Mrs. V. Rashmi presented a paper titled "Artificial Neural Network (ANN) With Chan-Vese(CV) Algorithm-Based Plant Disease Detection And Classification" in International Conference on Applied Intelligence and Sustainable Computing (ICAISC), Dharwad, India, and is published in IEEE Xplore, pp. 1-6, 16-17 June 2023, (Date Added: 09 August 2023).
- xxxiv. Dr.K.Pavan Kumar, Kanaka prabha. S, Dr.G.Ganesh kumar, Dr. Gaddam Venu Gopal, Dr.Dara Raju, Riaz Shaik presented a paper in *International Conference on Computer Science and Engineering (I2CSE-23)*, Scopus Indexed,1st July 2023,Tumakuru, India.
- xxxv. Dr. S. Sai Kumar published a paper titled with "Blockchain Technology: A Comprehensive Review and Future Directions" in 2<sup>nd</sup> International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2023) organized by CARE College of Engineering, Trichy, India during 23rd to 25th, August, 2023. (SCOPUS Indexed in October 2023)
- xxxvi. Dr. B. Tirapathi Reddy published a paper titled "Image Processing for Human Body Weight Prediction" in the Hinweis *International Conference on Computer Science, Cyber Security and Information Technology (CCIT)* 2023 in Kochi in April, 2023. (scopus indexed in October).

- Mr. B. V. Satish Babu published a paper titled "Suicidal Tendency Detection using CNN Algorithm" in the 14<sup>th</sup> International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT-2023, Hinweis Research, 17th June 2023.pp 1189-1195. (scopus indexed in October)
- Combinational Learning Approach" in the proceedings of 4<sup>th</sup> IEEE Global Conference for Advancement in Technology(GCAT-2023), pp:1-6,Conference Proceedings: IEEE Xplore, ISBN: 979-8-3503-0525-8, October 2023.(Added to IEEE Xplore in December 2023).
- xxxix. Dr. A.Haritha and Dr. Y.Suresh published a Chapter titled "Healthcare Management and Prediction of Future Illness Through Autonomous Intelligent Advisory System using AAT Computational Framework" in a book titled *Enabling Person-Centric Healthcare Using Ambient Assistive Technology Studies in Computational Intelligence* with ISBN:1108, pp.151-182, September, 2023.
  - xl. Mr. D.Bharadwaja published a book chapter titled as "A Hybrid Deep Learning–Based Remote Monitoring Health care System Using Wearable Devices" in a book *5G-Based Smart Hospitals and Health care Systems*, CRC Press, Taylor & Francis with ISBN:9781003403678, pp.1-18, November, 2023.(Scopus indexed).
  - xli. Dr. Y.Padma published a book chapter titled "Agricultural Monitoring and Control of a System Using Smart IoT Devices" in *Modern Approaches in IoT and Machine Learning for Cyber Security, Latest Trends in AI, Springer*, Cham, pp 375–386 December 2023. (Scopus Indexed).
  - xlii. Dr V.Siva Parvathi published a text book titled "The Art of Data Scienc: Mastering the Tools and Techniques for Insights" with ISBN:978-93-57472197 in August, 2023.

#### PAPERS PRESENTED IN CONFERENCES

i. Dr. A Haritha and Dr. Y Suresh presented a paper titled, "Ascertaining Automobile Collisions with Visual Footprints using Deep Neural Networks" in *International Conference on Advances in Computational Intelligence 2023* organized by MVSR Engineering College, Hyderabad, India on 15<sup>th</sup> and 16<sup>th</sup> December 2023.

## SEMINARS/CONFERENCES/WORKSHOPS ATTENDED BY STAFF

- i. Mrs. D. Leela Dharani participated in an international webinar on "Preclinical and Toxicological Study Protocol Development" organized by Department of Pharmacy, Meerut Institute of Technology, Meerut UP.(India) held on 4<sup>th</sup> September 2023.
- ii. Dr Y Padma participated in a one day seminar on "Research for Quality Publications & Funding" organized by R&D cell, PVPSIT on 16<sup>th</sup> September, 2023.

- iii. Mrs. V. Rashmi, Mr. I. M. V. Krishna attended a one-day Workshop on "Teaching for Excellence" organized by Department of Electrical and Electronics Engineering, Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada on 5<sup>th</sup> July, 2023.
- iv. Dr. A. Haritha, Dr. G. Lakshmi attended a Workshop on "Understanding IP" organized by Prasad V Potluri, Siddhartha Institute of Technology in collaboration with CSIR on 18<sup>th</sup> July, 2023.
- v. Dr Y.Padma attended a one week Online Workshop on "Block Chain Technology and its Applications" organized by NIT Trichy held from 21<sup>st</sup> to 25<sup>th</sup> August, 2023.
- vi. Dr Y. Padma attended One Week Online Workshop on "Outcome Based Curriculum Design" organized by National Institute of Technical Teachers Training & Research (NITTTR) Chandigarh, held from 11<sup>th</sup> to 15<sup>th</sup> September 2023.
- vii. Dr. VS Parvathi attended in a Three Day International Virtual Workshop on "Research Writing, Grant Writing and Impact Publications in the Age of Artificial Intelligence" organized by Lavender Literary Club, India, Cape Comorin Trust, India, and Malaysian Industrial Relations & Human Resource Association (MIRHA), Malaysia from 29<sup>th</sup> to 31<sup>st</sup> October, 2023.
- viii. Mrs. V. Rashmi, Mrs. K. Swarupa Rani, Mrs. D. Leela Dharani, Mr. B. V. Satish Babu, Dr. D. Kavitha, Dr. A. Haritha, Dr. B. Tirapathi Reddy, Dr. G. Reshma, Dr. G. Lakshmi, Mrs. K. Sri Vijaya, Mrs. P. Rajya Lakshmi attended in a One Week Training Program on "Funding Opportunities in Engineering (ICT-45)" through ICT mode from Entrepreneurship Development and Industrial Coordination Department, NITTTR, Chandigar, Organized by the Knowledge Center of Prasad V. Potluri Siddhartha Institute of Technology, Kanuru, Vijayawada from 24<sup>th</sup> to 28<sup>th</sup> July, 2023.
  - ix. Dr. B. V. Subba Rao, Dr. S. Sai Kumar and Dr. K. Pavan Kumar attended a One Week Online Short-Term Course on "Artificial Intelligence, Machine Learning and Deep Learning" organized by Center for Continuing Education & Department of Computer Science & Engineering, National Institute of Technology Warangal, from 26<sup>th</sup> to 30<sup>th</sup> July 2023.
  - x. Mrs. V. Rashmi attended in a 15 days Training Program on "ChatGPT and Generative AI" organized by ExcelR Solutions held from 11<sup>th</sup> to 19<sup>th</sup> September 2023.
  - xi. Dr. B. V. Subba Rao attended one week Faculty Development Program on "Introductory Universal Human Values (UHV)" under AICTE during the period 03<sup>rd</sup> to 07<sup>th</sup> July, 2023.
- xii. Mrs. V. Rashmi, Mrs. K. Swarupa Rani, Mrs. P. Rajya Lakshmi, Mrs.D. Leela Dharani has participated in a 15 days International Development Program on "Deep Learning for NLP & Computer Vision" for 30 hours, organized by Chaitanya Bharathi Institute of Technology, Hyderabad in collaboration with EXCELR from 10<sup>th</sup> to 28<sup>th</sup> July 2023.
- xiii. Mrs. J. Sirisha and Dr. Y. Padma attended a Five-day International Faculty Development Programme on "Unleashing Emerging Trends and Advancement in Computer Science 2.0" organized by School of Computer Science and Engineering, VIT-AP University, Andhra Pradesh from 24<sup>th</sup> to 28<sup>th</sup> July, 2023.

- xiv. Dr. K. Pavan Kumar attended a Five day Online Faculty Development Program on "Artificial Intelligence Machine Learning and Deep Learning" organized by Center for Continuing Education National Institute Of Technology, Warangal from 26<sup>th</sup> to 30<sup>th</sup> July 2023.
- xv. Dr. K. Pavan Kumar attended one week Online Faculty Development Program on "Societal Applications of Machine Learning" organized by Shri Vishnu Engineering College for Women, Bhimavaram from 24<sup>th</sup> to 28<sup>th</sup> July, 2023.
- xvi. Mr. D.Bhardwaja and Mr. I. M. V. Krishna attended a 2-day Faculty Development Program on "Mathematical Sciences and Engineering Applications" organized By Department of Mathematics, Prasad V.Potluri Siddhartha Institute of Technology, Vijayawada from 3<sup>rd</sup> to 4<sup>th</sup> August, 2023.
- xvii. Dr. S. Sai Kumar attended a One Week Online Professional Development Programme on "NBA Accreditation" organized by National Institute of Technical Teachers Training and Research, Taramani, Chennai, from 07<sup>th</sup> to 11<sup>th</sup> August, 2023.
- xviii. Mr. D.Bhardwaja attended a one week Faculty Development Program on "Data Science and Analytics" organized by E&ICT Academy, NIT Warangal in association with RVR & JC College of Engineering, Guntur from 09<sup>th</sup> to 14<sup>th</sup> August, 2023.
  - xix. Mrs. V. Rashmi, Mrs. K. Swarupa Rani and Mrs.D. Leela Dharani attended a Five days Online International Faculty Development Program on "NLP and Chat GPT Applications" organized by SECAB Institute of Engineering & Technology in Collaboration with ExcelR Edtech Pvt. Ltd. From 14<sup>th</sup> to 19<sup>th</sup> August, 2023.
  - xx. Dr. S.Sai Kumar attended a One Week National Level Faculty Development Program on "Cloud Infrastructure" organized by Department of Information Technology, Institute of Aeronautical Engineering, Telangana in association with Brain O Vision Solutions India Pvt. Ltd from 21<sup>st</sup> to 25<sup>th</sup> August, 2023.
  - xxi. Mrs. K. Swarupa Rani and Mrs.D. Leela Dharani attended in the three days Online Faculty Development Program on "Outcome Based Education" organized by IQAC, Meerut Institute of Technology, Meerut in collaboration with ICT Academy from 24<sup>th</sup> to 26<sup>th</sup> August, 2023.
- xxii. Mr. P.Raviprakash attended an AICTE Recognized Two Weeks Faculty Development Program on "Neural Networks and Fuzzy Logic" organized by Electronics and Communication Engineering Department, NITTTR Chandigarh from 21<sup>st</sup> August to 01<sup>st</sup> September, 2023.
- xxiii. Dr.G.Reshma attended a Five Day Faculty Development Program on "DevOps" organized by Department of CSE at SRKIT, Vijayawada during 28<sup>th</sup> August to 01<sup>st</sup> September, 2023.
- xxiv. Dr.D. Kavitha attended one week Professional Development Program on "Outcome Based Education" conducted by NITTTR Chennai at VR Siddhartha Engineering College, Vijayawada from 5<sup>th</sup> to 9<sup>th</sup> September, 2023.
- xxv. Dr V.S Parvathi attended online International Faculty Development Program on "Pedagogies to Facilitate Online, Offline and Blended Learning" organized by SRM Institute of Science and Technology, Chennai, from 4<sup>th</sup> to 9<sup>th</sup> September, 2023.
- xxvi. Dr. J. Sirisha, Dr. G. Lakshmi and Mrs. V. Rashmi completed Eight weeks NPTEL Faculty Development Program on "Introduction to Machine Learning" for the duration of July to September session of 2023.

- xxvii. Dr. D. Kavitha completed four weeks NPTEL Faculty Development Program on "Software Testing" for the duration of July to August session of 2023.
- xxviii. Dr. Y.Suresh completed Four weeks NPTEL Faculty Development Program on "Python for Data Science" " for the duration of July to August session of 2023.
- xxix. Dr. K. Pavan Kumar, Mr. B.V.Satish Babu and Mrs. P. Rajya Lakshmi attended One Week Faculty Development Program on "Machine Learning and Predictive Analysis using Python" organized by Andhra Loyola Institute of Engineering and technology in collaboration with NITTTR Chandigarh during 20<sup>th</sup> to 24<sup>th</sup> November, 2023.
- xxx. Dr. D.Kavitha completed two weeks NPTEL-AICTE Faculty Development Program on "Software Engineering" for the duration of July-October 2023.
- xxxi. Mr.D.Bharadwaja and Mr. B.V.Satish Babu completed two weeks NPTEL-AICTE Faculty Development Program on "Programming in Modern C++" conducted by IIT Madras during July to October 2023 session.
- xxxii. Mrs. P. RajyaLakshmi completed One Week NPTEL-AICTE Faculty Development Program on "Big Data Computing" conducted by IIT Madras during July to October 2023 session.
- xxxiii. Mrs. V. Rashmi attended Two Week International Online Faculty Development Program on "Big Data Analytics" organized by Department of Information Technology, VNR Vignana Jyothi Institute of Technology, Hyderabad in collobration with ExcelR Edtech Pvt. Ltd. from 4<sup>th</sup> to 15<sup>th</sup> December, 2023.
- xxxiv. Mr. B. V. Satish Babu attended an Awareness Program on "IP Awareness/Training program" under National Intellectual Property Awareness Mission Intellectual Property Office, India on 24<sup>th</sup> July, 2023.
- xxxv. Mr. D Bharadwaja attended an International Conference on "Computational Intelligence, Networks and Security (ICCINS-2023)" organized by Department of CSE, IT and AI&DS, Laki Reddy Bali Reddy College of Engineering.

#### **FACULTY ACHIEVEMENTS**

- i. Dr K. Pavan Kumar got certificate of Appreciation for acted as a reviewer for the International E- conference on Advances in Computer Engineering and Communication Systems held at VNR Vignana Jyothi, Hyderabad, Telangana, during 22-23 September, 2023.
- ii. Dr VS Parvathi got Best Young Research Award from International Journal for Modern Trends in Science and Technology, UGC Approved and registered Enterprise with Ministry of MSME, Govt. of India on August 30, 2023.
- iii. Dr Y Suresh received Institution Prize from Institution of Engineers Kolkatta, for securing third highest marks in AMIE Section B (Computer Science) examination Summer, 2021.
- iv. Dr.D. Kavitha secured as a "TOPPER" in "Software Engineering" online certification 8 weeks course offered through SWAYAM NPTEL for the period of July-October 2023.

- v. Dr K. Pavan Kumar achieved Elite+Silver(88%) in "Internet of Things online certification 12 weeks course offered through SWAYAM NPTEL during July to October.
- vi. Dr. G. Reshma secured Elite+Silver(84%) in "Big Data Computing" course offered through NPTEL Swayam for the period of July-October 2023.
- vii. Dr. A. Haritha secured Elite+Silver on "Introduction to Machine Learning" 8 weeks course offered through NPTEL Swayam from July to September 2023
- viii. Mrs. D. Leela Dharani completed a course titled "Introduction to Artificial Intelligence" in Infosys SpringBoard on July 26, 2023.
  - ix. Mrs. V. Rashmi completed a course titled "Prompt Engineering" in Infosys SpringBoard on July 21, 2023.
  - x. Dr. B. Tirapathi Reddy completed a course titled, "Data Analysis with Python" course authorized by IBM and offered through Coursera on 17-07-2023.
  - xi. Dr. B. Tirapathi Reddy completed 2 Credit SWAYAM Course on "National Education Policy2020: Professional Development Programme" held from 16th May to 15th June, 2023 and obtained 93% marks.
- xii. Mrs. D.Leela Dharani completed courses "Python for Data Science", "Basics of Linear Algebra using Python", "Probability and Statistics using Python", "Probability Distribution using Python", "Data Visualization using Python", "Statistical Inference using Python", "Exploratory Data Analysis", "Regression Analysis" in Infosys Spring Board on August, 2023.
- xiii. Mrs. D. Leela Dharani completed courses titled, "Explore Machine Learning using Python", "Association Analysis using Python", "Time Series Analysis using Python" in Infosys Spring Board in September, 2023.
- xiv. Mrs. V. Rashmi completed 8 weeks course titled "Introduction to Machine Learning" offered through NPTEL Swayam for the duration of July to September session of 2023.
- xv. Dr. G. Lakshmi completed 8 weeks course titled "Introduction to Machine Learning" offered through NPTEL Swayam for the duration of July to September session of 2023.
- xvi. Dr. D. Kavitha completed 4 weeks course titled "Software Testing" offered through NPTEL Swayam for the duration of July to August session of 2023.
- xvii. Dr. Y.Suresh completed a course titled "Programming, Data Structures and Algorithms Using Python" offered through NPTEL Swayam from July to September session of 2023.
- xviii. Dr. Y.Suresh completed a course titled "Python for Data Science" offered through NPTEL Swayam from July to August session of 2023.
- xix. Dr. J. Sirisha successfully completed 8 weeks course titled "Introduction to Machine Learning" offered through NPTEL Swayam during July to September 2023.
- xx. Dr.D.Kavitha completed a course titled "Software Engineering" offered through NPTEL Swayam for the period of July to October 2023.

- xxi. Mr.B.V.Satish Babu and Mr.D.Bharadwaja completed a 12 Weeks course titled "Modern C++ Programming" conducted by IIT Madras offered through NPTEL Swayam during July to October 2023.
- xxii. Mrs. P. Rajya Lakshmi completed a 8 Weeks course titled "Big Data Computing" conducted by IIT Madras offered through NPTEL Swayam during July to October 2023
- xxiii. K. Swarupa Rani completed course titled "Cluster Analysis" in Infosys Spring Board in November, 2023.
- xxiv. Mr. Ch. Praneeth completed a course titled "Generative Models for Developers" offered through Infosys Springboard in October, 2023.
- xxv. Mrs. D. Leela Dharani completed a course titled "Introduction to OpenAI GPT Models" and "OpenAI Generative Pre-trained Transformer 3 (GPT-3) for developers" in Infosys Spring Board in October, 2023.
- xxvi. Dr.J.Sirisha completed a course titled "Microsite Creation on Spring Board" in Infosys Spring Board in December, 2023.

#### **FACULTY PARTICIPATION**

- i. Dr. A. Haritha delivered a talk on "The Exciting World of Startups" for II.B.Tech Students conducted by Institution Innovation Council on 1<sup>st</sup> September, 2023.
- ii. Dr. A. Haritha acted as a reviewer for an International e-Conference on Advances in Computer Engineering and Communication Systems organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad during 22<sup>nd</sup> and 23<sup>rd</sup> September 2023.
- iii. Dr. B. Tirapathi Reddy act as Technical Reviewer in the International Conference on "Computational Intelligence, Networks and Security (ICCINS 2023)" held on 22<sup>nd</sup> and 23<sup>rd</sup> December 2023, organized by the Department of CSE, IT and AI&DS, Lakireddy Balireddy College of Engineering(A), Mylavaram

#### SPONSORED R&D AND CONSULTANCY ACTIVITIES

i. Mrs. J.Sirisha was awarded with Doctor of Philosophy in Computer Science and Engineering for the Thesis titled "Development of Ontology based Expert System for Lung Cancer Diagnosis" from Department of Computer Science, Krishna University, Machilipatnam in August, 2023.

### STUDENT ACHIEVEMENTS

#### a) Publications:

i. SK. Arif (21505A1210) and V. Sri Veda(21501A12C5) published an article titled "Leveraging the Potential: Artificial Intelligence Applications in Space Exploration" in International Journal of Innovative Research in Technology, pp no: 393 – 399, ISSN: 2349-6002, Volume 10, Issue 5, October 2023

#### b) Co-curricular Activities:

- i. T Harika(22501A12B4) and P.V.G.Oshith (21501A1296) participated in the event, "Essay Writing" and won II Prize held on 14<sup>th</sup> August, 2023 organized by Department of IT, PVPSIT, as part of Anti-Ragging week.
- ii. T.Harika(22501A12B4), Y.Lalitha Devi(22501A12C8) participated in the event, "Poster Making" and won II Prize held on 14<sup>th</sup> August, 2023 organized by Department of IT, PVPSIT, as part of Anti-Ragging week.
- iii. A total of 19 Students from III B.Tech participated in different events "Puzzle paradox", "Code Hustle" and "Tech Trek" conducted by VVIT ACM's National Level Tech Fest "SPARDHA 2k23" during 10<sup>th</sup> and 11<sup>th</sup> August, 2023.
- iv. K.Sravya(22501A1248) and Dasari Sanjana(22501A12A2) of II Year IT participated in "Paper Presentation" in Seshadri Rao Gudlavalleru Engineering College held on 11<sup>th</sup> August, 2023
- v. Ch.Dhanya Sri(21501A1222) received certificate of appreciation for organizing "World Entrepreneur's Day" organized by IIC, PVPSIT, Vijayawada held on 21<sup>st</sup> August, 2023.
- vi. A total of 10 students of III year participated in the "PITCH competition" on the eve of "World Entrepreneur's Day" organized by IIC, PVPSIT, Vijayawada held on 21<sup>st</sup> August, 2023.
- vii. A total of 7 students of III Year participated in "CELESTIA-2k23" organized by the CSI student chapter, VRSEC, Vijayawada from 24<sup>th</sup> to 25<sup>th</sup> August, 2023.
- viii. A.D.Krishna Sai(22501A1209) of II year participated in the event"Coding Contest" and won I prize organized by ISTE student chapter, Department of IT, PVPSIT on the eve of Engineer's Day on 15<sup>th</sup> September, 2023.
- ix. S.Sai Sankar(22501A12A7) of IV year and N.Druthi Sai (22501A1278), R. Lavanya (22501A12A0), P.Chaitnaya(22501A1298), R.Harshith sai kumar(22501A1299), Sk.Suhel(22501A12A7) of II year participated in the event "IDEATE" and won II prize organized by ISTE student chapter, Department of IT, PVPSIT on the eve of Engineer's Day on 15th September, 2023.
- x. N.Uma Pavan(21501A1281), N.Charu Hasini(21501A1283), D.Nithin(21501A1284), P.Sri Charitha(21501A1286), P.Drakshayani(21501A1290), T.H.Sowmya(21501A12B5) of III year participated in the event "IDEATE" and won III prize organized by ISTE student chapter, Department of IT, PVPSIT on the eve of Engineer's Day on 15<sup>th</sup> September, 2023.

- xi. M.Vasanth Vardhan(21501A1271) of III participated in the event "Best choreography" and won III prize organized by ISTE student chapter, Department of IT, PVPSIT on the eve of Engineer's Day on 15<sup>th</sup> September.
- xii. Three students Koganti Aditya(20501A1256), Kunapuli Bharadwaj (20501A1262) and Dhanekula Yaswanth(20501A1223) from IV B.Tech selected for Amazon ML Summer School in September, 2023.
- xiii. Sk. Ishrath Fathima (20501A12A4),V.Shravani (20501A12A6) of IV year participated in events "Technical quiz", "Debate" in SRM IST INFINITUS 2023-National Technical Festival organized by SRM-AP conducted from 20<sup>th</sup> to 22<sup>nd</sup> September, 2023.
- xiv. M. Gowtham(21505A1270), M. Dev Karan(21505A1273), T. Ajith(21505A12B8) of III Year and V.P.V.N Sri Harshini(22501A12C6) of II Year participated in the event "Debate" on International Non-Violence Day organized by PVPSIT during 04<sup>th</sup> October, 2023.
- xv. J. Sumanvitha(22501A1242), Y. Lalitha Devi(22501A12C8) of II Year has participated the event "Artist in ME" organized by Women's Cell during 06<sup>th</sup> to 12<sup>th</sup> October, 2023
- xvi. K. Ganga Bhavani(21505A1261) of III Year participated in the event "EPISTEMICON-2k23" organized by ALIET, Vijayawada on 7<sup>th</sup> October, 2023
- xvii. A total of 12 students from III year participated in the National Level Coding Competition event "CODE TITAN 2k23" organized by ACM Chapter, PVPSIT on 11<sup>th</sup> October, 2023.
- xviii. A. Chaitanya(21505A1208), Ch. Vijay(21505A1221), K. Sandeep(21505A1254), M. Gowtham(21505A1270), M.Vardhan(21505A1272), P.Jithendra(21505A1292), R. Shanmukh(21505A12A3) of III Year participated in the event "CODE & CREATE" organized by student council of PVPSIT on 12<sup>th</sup> October, 2023.
- xix. G. Vaishnavi(21505A1239) and G. Abhilash(21505A1243) of III Year participated in the event "CODE & CREATE" and won III prize organized by student council of PVPSIT on 12<sup>th</sup> October, 2023.
- xx. A total of 15 students of IV Year has participated in an event "Project Expo" in "Emerging Technologies" organized by department of EEE, Solar Energy Society of India(SESI) on 17<sup>th</sup> October, 2023.
- xxi. CH. Akshay Kumar(21505A1226) of III Year has participated in the event "Technical Quiz" organized by SRM-AP INFINITUS on 25<sup>th</sup> to 27<sup>th</sup> October, 2023.
- xxii. G.Sri Sindhu(21501A1236) of III Year participated in the ACM India Winter School event on "Cryptography and Cybersecurity" organized by the School of Computer Science Engineering and Information Systems (SCORE), Vellore Institute of Technology, Vellore from 27<sup>th</sup> November to 9<sup>th</sup> December, 2023.
- xxiii. M. Dev Karan(21501A1236) of III Year appeared as winner in the event Quiz, Limes 2K23, organized by the Department of English (ENGSA) at P.B.Siddhartha College of Arts and Science on 22<sup>nd</sup> December, 2023.
- xxiv. Sk.Shanaz(21501A12B1) and T.Yoshita(21501A12B6) of III Year got runner in the event Quiz, Limes 2K23, organized by the Department of English (ENGSA), P.B.Siddhartha College of Arts and Science 22<sup>nd</sup> December, 2023.

- xxv. III B.Tech students of Department of IT N. Uma Pavan, D. Nithin, N. Charu Hasini, T.H. Sowmya, P. Sri Charitha, and P. Drakshayani under the guidance of Mr.CH.Praneeth participated in Smart India Hackathon 2023 grand finale at Bhopal organized by AICTE under the Software edition for the problem statement SIH1317 on 19<sup>th</sup> and 20<sup>th</sup> December 2023, at IES College of Technology, Madhya Pradesh, Bhopal.
- xxvi. A total of six students of III year participated in the event "Quiz of Limes 2K23" organized by the Department of English (ENGSA), P.B.Siddhartha College of Arts and Science on 22<sup>nd</sup> December, 2023.

#### c) Extra-curricular Activities:

- i. G.R.Mary(22501A1236), K Santhi Priya(22501A1243), D.Sanjana(22501A12A2) participated in the event "Thorw Ball" and stood as a "Winners" at the intra-sectional competitions held on the eve of Anti-Ragging week during 12th to 18th August, 2023 organized by Department of IT, PVPSIT.
- ii. M.Laxminath(21501A1267), S.M.Shehenshah(21501A12B0) participated in the event "Basket ball" and won "Runners" at the intra-sectional competitions held on the eve of Anti-Ragging week prize during 12th to 18th August, 2023 organized by Department of IT, PVPSIT.
- iii. K.Deepak kumar(21501A1260) participated in the event "Volley ball" and won "Runners" prize at the intra-sectional competitions held on the eve of Anti-Ragging week during 12th to 18th August, 2023 organized by Department of IT, PVPSIT.
- iv. K.Deepak kumar(21501A1260), D.Nithin(21501A1284) participated in the event "Kabaddi" and won "Runners" prize at the intra-sectional competitions held on the eve of Anti-Ragging week during 12th to 18th August, 2023 organized by Department of IT, PVPSIT.
- v. D. Nithin (21501A1284) of III year participated in the event of "CHESS" as a part of National Level Techno-Management Fest-SAMKALP organized by Kallam Haranadha reddy Institute of Technology during 22nd and 23rd September, 2023.
- vi. P. Kamal Deepak (21501A1291) of III year participated in "Cricket (men) SAMKALP-2023" National level Sports fest organized by Kallam Haranadha reddy Institute of Technology during 5th to 30th September.
- vii. G. Roja Mary (22501A1236), and K. Shanti Priya(22501A1243) participated in the event "Throw Ball" and won I Prize in the sport event "Sports Fiesta" organized by NSS Unit, PVPSIT during October 2023.
- viii. K. Shanti Priya(22501A1243) participated in the event "Badminton" and won II Prize in the sport event "Sports Fiesta" organized by NSS Unit, PVPSIT during October 2023.

#### d) Coursera/NPTEL Details of the students:

- i. A total of 24 students from III and IV B. Tech completed various courses in Infosys Springboard Platform in September month.
- ii. A total of 114 students successfully completed "JAVA" test by Spoken Tutorial Project, IIT Bombay, Organized by Department of Computer Science & Technology, Prasad V. Potluri Siddhartha Institute of Technology on 30<sup>th</sup> September 2023.
- iii. Gorle Ashok Kumar (21501A1241) III B.Tech student secured Elite + Gold (90%) top 2% in 12 week course "Programming in Java" offered by NPTEL for the period of July to October session of 2023.

- iv. Kella Deepak Kumar (21501A1260) III B.Tech student secured Elite + Gold (90%) top 2% in "Programming in Java" 12 week course offered by NPTEL for the period of July to October session of 2023.
- v. Gongati Vyshnavi (21501A1239) III B.Tech student secured Elite + Gold (90%) top 2% in "Programming In Java" 12 week course offered by NPTEL for the period of July to October session of 2023.
- vi. Jampana Leela Deepak (21501A1249) III B.Tech student secured Elite + Silver (85%) top 5% in "Programming In Java" 12 week course offered by NPTEL for the period of July to October session of 2023.
- vii. 2 students from IV year completed 8 weeks NPTEL online course on "Google Cloud Computing Foundations" for the duration of Aug to October session of 2023.
- viii. 2 students from IV year, 6 students from III year completed 12 weeks NPTEL online course on "Micro-Core Computer Architecture" for the duration of July to October session of 2023.
  - ix. 13 students from IV year completed 8 weeks NPTEL online course on "Introduction to Machine Learning" for the duration of July to September session of 2023.
  - x. 3 students from IV year completed 12 weeks NPTEL online course on "Big Data Computing", 1 student from IV year on "Privacy and Security in Online Social Media" and 1 student from IV year on "Joy of Computing Using Python" for the duration of July to October session of 2023.
  - xi. 1 student from IV year, 6 students from III year completed 8 weeks NPTEL online course on "Database Management Systems" for the duration of July to September session of 2023.
- xii. 50 students from IV year completed 12 weeks NPTEL online course on "Programming in Java" from July to October 2023.
- xiii. 16 students from II year completed 12 weeks NPTEL online course on "Problem Solving through Programming in C" from July to October 2023.
- xiv. Ten students from III B. Tech completed "Python Foundation Certification" in Infosys Springboard Platform in the period of October December, 2023.
- xv. Four students from III B. Tech completed "AI Foundation Certification" in Infosys Springboard Platform in the period of October December, 2023.
- xvi. Twenty two students from III B. Tech completed "Java Programming Fundamentals" course in Infosys Springboard Platform in the period of October December, 2023.
- xvii. Eighty nine students from IV B. Tech completed "Data Visualization with Tableau" course in Infosys Springboard Platform in the period of October December, 2023.
- xviii. Ninety four students from IV B. Tech completed "OOAD and Programming with UML" course in Infosys Springboard Platform in the period of October December, 2023.

#### e) Internships:

- i. One Student from IV B.Tech completed Internship offered by RHYS from Aug to Dec 2023.
- ii. 78 Students from III B.Tech completed Internship offered by AICTE Eduskills from May to July 2023.
- iii. 78 Students from IV B.Tech completed Internship offered by AICTE Eduskills from May to July 2023
- iv. 2 Students from IV B.Tech, 6 students from III B.Tech and 12 students from II B.Tech completed "Cyber Security" virtual Internship offered by AICTE Eduskills from Sep to Nov, 2023.
- v. 2 Students from IV B.Tech completed "RPA Developer" virtual Internship offered by AICTE Eduskills from Sep to Nov, 2023.
- vi. 48 Students from II B.Tech completed "AWS CLOUD" virtual Internship offered by AICTE Eduskills from Sep to Nov, 2023.

#### f) Higher Education:

i. 12 students of 2015-2019 batch joined Master's Degree in various universities at USA, Canada, UK, Australia.

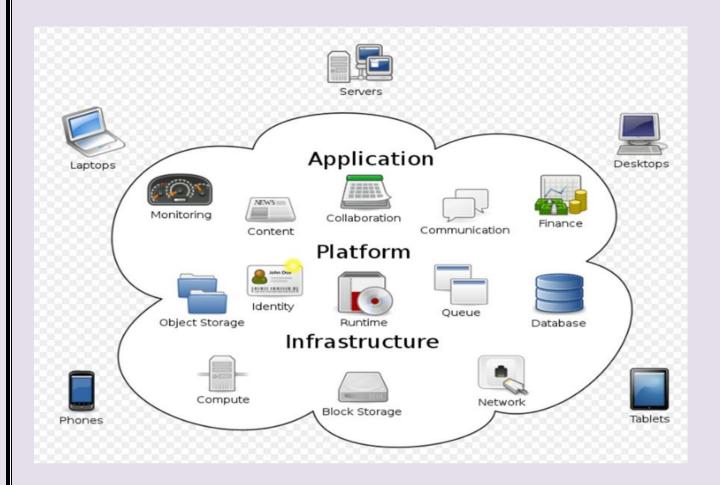
#### **OTHERS**

- i. Ms.K.Sri Vijaya organised "Anti-ragging week" in the college campus which is suggested by AICTE from 12-08-23 to 18-08-23. Conducted various events like essay writing, poster making, slogan writing by promoting awareness on Anti-Ragging in the college campus. II, III, IV B.Tech students / faculty / non-teaching staff participated in events.
- ii. A total of 19 faculty members got life time membership from "The Indian Science Congress Association (ISCA)", Kolkata in October 2023.

## **Cloud Computing**

Cloud computing is the on-demand availability of computing resources (such as storage and infrastructure), as services over the internet. It eliminates the need for individuals and businesses to self-manage physical resources themselves, and only pay for what they use.

Cloud computing service models are based on the concept of sharing on-demand computing resources, software, and information over the internet. Companies or individuals pay to access a virtual pool of shared resources, including compute, storage, and networking services, which are located on remote servers that are owned and managed by service providers.



In simpler terms, cloud computing uses a network (most often, the internet) to connect users to a cloud platform where they request and access rented computing services. A central server handles all the communication between client devices and servers to facilitate the exchange of data. Security and privacy features are common components to keep this information secure and safe.

When adopting cloud computing architecture, there is no one-size-fits-all. What works for another company may not suit you and your business needs. In fact, this flexibility and versatility is one of the hallmarks of cloud, allowing enterprises to quickly adapt to changing markets or metrics.

There are three different cloud computing deployment models: public cloud, private cloud, and hybrid cloud.

Public cloud - Public clouds are run by third-party cloud service providers. They offer compute, storage, and network resources over the internet, enabling companies to access shared on-demand resources based on their unique requirements and business goals.

Private cloud - Private clouds are built, managed, and owned by a single organization and privately hosted in their own data centers, commonly known as "on-premises" or "on-prem." They provide greater control, security, and management of data while still enabling internal users to benefit from a shared pool of compute, storage, and network resources.

Hybrid cloud - Hybrid clouds combine public and private cloud models, allowing companies to leverage public cloud services and maintain the security and compliance capabilities commonly found in private cloud architectures.

What are the types of cloud computing services?

There are three main types of cloud computing service models that you can select based on the level of control, flexibility, and management your business needs:

Infrastructure as a service (IaaS) - Infrastructure as a service (IaaS) offers on-demand access to IT infrastructure services, including compute, storage, networking, and virtualization. It provides the highest level of control over your IT resources and most closely resembles traditional on-premises IT resources.

Platform as a service (PaaS) - Platform as a service (PaaS) offers all the hardware and software resources needed for cloud application development. With PaaS, companies can focus fully on application development without the burden of managing and maintaining the underlying infrastructure.

Software as a service (SaaS) - Software as a service (SaaS) delivers a full application stack as a service, from underlying infrastructure to maintenance and updates to the app software itself. A SaaS solution is often an end-user application, where both the service and the infrastructure is managed and maintained by the cloud service provider.

What are the benefits of cloud computing?

It's flexible - Due to the architecture of cloud computing, enterprises and their users can access cloud services from anywhere with an internet connection, scaling services up or down as needed.

It's efficient - Enterprises can develop new applications and rapidly get them into production—without worrying about the underlying infrastructure.

It offers strategic value - Because cloud providers stay on top of the latest innovations and offer them as services to customers, enterprises can get more competitive advantages—and a higher return on investment—than if they'd invested in soon-to-be obsolete technologies.

A.Dinesh(22501A1207) AVLavanya(22501A1208)





Training on Interactive Flat Panel to the Government School Teachers of Andhra Pradesh by IT Faculty





Anti-ragging week by Ms.K.Sri Vijaya from 12-08-23 to 18-08-23





How to Crack Accenture and MS admissions by Alumni





Workshop on Competitive Programming using C with Algorithms



Student Enablement Program SEP on "Artificial Intelligence"



Road Safety and Traffic Rules on 4-11-2023 by 2 year students conducted by Ms.K Sri Vijaya



Dr.J.Sirisha Ph.D viva

Dr.A.Haritha talk on "The Exciting World of Startups"



Orientation Program to IT I Year Students about PVP 23 Regulation, Curriculum and OBE on 21/9/2023



Workshop on "Salesforce Technologies"

**Enhancing Analytical Thinking Skills** 



**Engineer's day Celebrations**