PVPS**IT** NEWS

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"YOU ARE WHAT YOU BELIEVE IN, YOU BECOME THAT WHICH YOU BELIEVE YOU CAN BECOME"
BHAGAVAD GITA

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GUEST LECTURES/WORKSHOPS CONDUCTED BY THE DEPARTMENT

i. A five day online Student Enablement Program (SEP) on "Artificial Intelligence" 22nd to 26th July, 2024 for the interested students III B.Tech IT, CSE,CSE(AI&ML),CSE(DS) in association with Infosys Limited, Bangalore using Infosys Springboard Platform. Resource person: Mrs R.Girija, Senior Analyst - Education, Training & Assessments, Infosys Limited, Bangalore. Coordinator: Dr J.Sirisha.

ii. A guest lecture on "Higher Studies Opportunities at top 100 Universities in USA & UK along with financial assistance" on 03rd July, 2024 for the IV B.Tech students of IT. Resource person: Mrs. Mrudula, Consultant, I20 Vijayawada.

iii. A guest lecture on "MS Opportunities in the best universities at US, UK and financial assistance to interested meritorious students" on 25th July, 2024 for the IV B.Tech students of IT. Resource person: Mr. Y. Suresh, Director, B. Pratyusha, Head, Marketing, VR Educational Consultancy, Vijayawada.

iv. A seminar on "Overview and Insights of How Large Language Models Work" for the II B.Tech IT students on 17th August, 2024 organized in association with the Alumni Committee, Department of IT. Resource person: Mr.L. Ravi Kumar, Data Scientist at WINIT Software Pvt. Ltd., Bengaluru.

v. A technical session on "Azure, Spring Boot, GIT, Docker, and Related Technologies" for all II and IV year B.Tech IT students on 21st August, 2024 organized in association with the Entrepreneurship Development Cell and CSI. Resource person: Mr. Jakkampudi Venkata Avinash, Founder & CEO of Odenkirk Private Limited, Hyderabad.

vi. A short term training program on "Java Programming" for II B.Tech IT students from 27th August to 01st September, 2024. Resource person: Mr. Ranga Nath, Trainer, BYTS, Hyderabad.

vii. A Two-Day Workshop on "Advanced Data Structures and Algorithms" for II and III B.Tech IT students on 27th and 28th September, 2024, organized in association with ISTE and Sponsored by SAGTE. Resource person: Mr Y.Narsimhulu, Research Intern TCS R&D, Sr.Research Fellow University of Hyderabad, Technical Trainer Logic, Hyderabad. Coordinators: Mr.P.Ravi Prakash and Dr.V.Siva Parvathi.

viii. A Short Term Training Program on "Problem Solving using Java – Phase II" for the II B.Tech IT students from 21st to 26th October, 2024. Resource person: Mr. Ranga Nath, Trainer, BYTS, Hyderabad.

ix. A webinar on "Machine Learning and AI" for the II B.Tech students of IT on 26th October, 2024 organized in association with NDLI. Resource person: Mr.M.V.S.Sathvik, Software Developer, Paradigm IT Technology Services, Hyderabad.

x. A Guest Lecture on "Ethical Coding and Building Human Values Among Students" for the II B.Tech students of IT on 7th November, 2024. Resource person: Mr. Y. Ramu, Associate Professor, Dept of CSE, Sri Vishnu Engineering College for Women, Bhimavaram.

xi. An online guest lecture on "Large Language Models (LLM) and Google Gemini" for III B.Tech students of IT on 9th December, 2024. Resource person: Alumni - Mrs. Inuganti Pratyusha Teja, Senior Engineering Manager, Google, Bangalore.

xii. A seminar on "Unveiling Latest Trends in Information Technology" for the students of III B. Tech IT on 21st December, 2024 in association with Alumni Committee of Department of Information Technology. Resource person: Alumni - Mr. Uday, Swisscom, Product Owner, Switzerland. Coordinator: Mr.I. M. V. Krishna.

xiii. A guest lecture on "Higher Educational Opportunities" for III B.Tech students of IT on 24th December, 2024. Resource person: Mr. Praveen – IDP Education, Vijayawada.

xiv. A seminar on "An Awareness Programme on CAT" for III B.Tech students of IT on 28th December, 2024. Resource person: Mr.Ramakrishna, IIM, Ahmedabad.

PAPERS PUBLISHED BY STAFF

i. Mr. B. V. Satish Babu and Mr. D. Bharadwaja published a paper titled "Effectual Use and Implementation of Micro-Lesson Plan Activities Through Mapping of Bloom's Taxonomy and ICT Technologies" in *Journal of Engineering Education Transformations*, with the ISSN 2349-2473, eISSN 2394-1707, Volume 38, No.1, July 2024.

ii. Dr. D. Kavitha published a paper titled "Hybrid-Multi-channel Deep Neural Network for Fake News Detection" in the proceedings of the *NIELIT's International Conference on Communication, Electronics and Digital Technology. NICEDT 2024. Lecture Notes in Networks and Systems,* vol:1022. Springer, Singapore, DOI:https://doi.org/10.1007/978-981-97-3601-0_53, 1st July, 2024

iii.   Mr. B.V.Satish Babu published a paper titled "Streamlined Multi-Scenario Revocation Method Leveraging Blockchain and Auxiliary Trees" in *Bulletin of Electrical Engineering and Informatics*, with the ISSN: 2089-3191, Vol:13, Issue no:4, pp. 2547-2554, DOI: 10.11591/eei.v13i4.7908, August 2024.

iv.   Mr. B.V. Satish Babu published a paper titled "Machine Learning Algorithm for Rapid Object Detection based on Color Features" in *ASEAN Engineering Journal*, with the ISSN: 2586-9159, Vol:14, Issue no:3, pp. 183-189, September 2024.

v.   Dr.S.Sai Kumar published a paper titled "Enhancing the Security and Integrity of Intrusion Detection Systems based on CNN and LSTM Approach for Cloud Computing" in 5th *International Conference on Smart Electronics and Communication (ICOSEC 2024)* organized by Kongunadu College of Engineering and Technology, Trichy, Tamilnadu, India on 18-20, September 2024.

vi.   Dr.G. Reshma published a paper on "Empirical Investigations to Predict Stock Price Using Regression to Improve the Trends of Information Technology" in *Journal of Theoretical and Applied Information Technology*, Vol.102. No. 24, December 2024

vii.   Dr. A.Haritha published a paper titled "Analytical Framework to Understand Electric Vehicle Adoption by Leveraging Sentiment Analysis," in Journal of Mobile Multimedia , Vol 20, Issue 05, 1067–1088,ISSN: 1550-4646, December 2024. doi: https://doi.org/10.13052/jmm1550-4646.2054.

viii.   Mr. Ch. Chandra Mohan published a paper titled "Methodical Review of Mutation Testing for Software Projects" in *Journal of Theoretical and Applied Information Technology* 31st December 2024. Pp.9107-9111, Vol.102. No. 24, ISSN: 1992-8645.

ix.   Dr. S. Sai Kumar has published a paper titled with "Empirical Soundings to Facial Countenance Recognition using CNN" in *Journal of Theoretical and Applied Information Technology*, Vol.102, Issue No:24, PP:8907-8912 ISSN:1992-8645, December 2024.

x.   Dr. B. V. Subba Rao published a paper on "Evaluating the Performance of Vascular Feature Extraction Boosting Algorithm for Peripheral Arterial Disease Detection" in *International Journal of Pattern Recognition and Artificial Intelligence,* (ISSN (print): 0218-0014 | ISSN (online): 1793-6381), December 2024, Volume 38, Issue 15 Pages: XX. DOI: https://doi.org/10.1142/S021800142456010X

xi.   Dr. S. Sai Kumar has published a paper titled with "Quantum-Enhanced Deep Learning Framework (QDLF): A Hybrid Approach for Advanced Skin Cancer Detection and Image Classification" in *Frontiers in Health Informatics*, Vol.13, Issue No:4, PP:694-708 ISSN: 2676-7104, December 2024.

SEMINARS/CONFERENCES/WORKSHOPS ATTENDED BY STAFF

i. Dr. B. V. Subba Rao, Dr. K Pavan Kumar, Mr. Ch.Praneeth, Dr. S. Sai Kumar, Mrs. K.Swarupa Rani, Mrs. D. Leela Dharani, Mr. D.Bharadwaja, Ms. K.Sri Vijaya, Mrs. V. Rashmi, Mr. B.V.Satish Babu, Mrs. P Rajya Lakshmi and Mr. P. Ravi Prakash attended a ten days NEP 2020 on "Orientation & Sensitization Program" under Malaviya Mission Teacher Training Program (MM-TTP) of University Grant Commission(UGC) organized by UGC-MMTTC Andhra University, Visakhapatnam 01st to 09th July, 2024.

ii. Mr. Ch.Praneeth and Mrs. V. Rashmi attended a Faculty Development Program on "Problem Solving with Python" organized by Dhyanahitha Educational Society, Hyderabad during 12th June, to 02nd July, 2024.

iii. Dr. A. Haritha and Dr. G.Lakshmi attended in a NEP 2020 orientation and sensitization programme under Malaviya Mission Teachers Training Programme organized by India Institute of Teachers Education, MMTC Centre Gandhinagar, Gujarat 1st to 8th July 2024.

iv. Dr. A. Haritha, Dr. G.Lakshmi, Dr Y.Padma and Dr.J.Sirisha attended a Five Days National Level Faculty Development Program on "Exploring Computational Intelligence" organized by SCOPE , VIT-AP University, Amaravati 16th to 20th July 2024.

v. Dr. D. Kavitha, Mrs. K.Swarupa Rani, Mrs. V. Rashmi participated in an International Faculty Development Program on "AI and Gen AI with Industry Application" organized by MIT Academy of Engineering (MIT AOE) Autonomous- Maharashtra, The National Institute of Engineering – MYSORE, Narasaraopeta Engineering College Autonomous – Andhra Pradesh, Matrusi Engineering College Autonomous- Telangana in Collaboration with ExcelREdtech Pvt. Ltd. 16th to 22nd July, 2024.

vi. Mr. Ch. Praneeth, Mr. Ch. Chandra Mohan, Mrs. V. Rashmi, Mr. I.M.V. Krishna attended a One Week National level Online Faculty Development Program on "Outcome Based Education and Application of Generative AI in Teaching and Research", organised jointly by The IQAC of Vasireddy Venkatadri Institute of Technology, Guntur, Andhra Pradesh and The IQAC of Siddaganga Institute Of Technology, Tumkur, Karnataka in association with IPSR solutions limited 24th to 31st July 2024.

vii. Dr. D. Kavitha attended "NEP 2020 Orientation and Sensitization Program" under Malaviya Mission Teacher Training Program (MM-TTP) of University Grants Commission (UGC) organized by UGC-MMTTC, Andhra University, Visakhapatnam 22nd to 30th July, 2024.

viii. Dr. B.V.Subba Rao, Dr. S.Sai Kumar has participated in a 40 hours Faculty Development Programme on "Blockchain Technologies and its Future Applications" sponsored by Ministry of Electronics and Information Technology (MeitY), GoI organized by E&ICT Academy. NIT Warangal and SRM University, AP during 22nd to 31st July, 2024.

ix. Dr. D. Kavitha, Dr. J.Sirisha, Dr Y.Padma has participated in a 40 hours Faculty Development Programme on "AI and ML for Science and Engineering Applications" organized by E&ICT

Academy, NIT Warangal and the Department of CSE, NIT Warangal 22nd July to 02nd August, 2024.

x. Mrs. K.Swarupa Rani attended an Online Faculty Development Program on "Research Publication and Ethics" organized by E&ICT Academy IIT Guwahati in association with Faculty of Management, JIS University and support Techvictus, 19th to 24th August, 2024.

xi. Faculty members attended a technical session on "Azure, Spring Boot, GIT, Docker, and Related Technologies" on 21st August, 2024 organized by department of IT in association with the Entrepreneurship Development Cell and CSI

xii. Mr. B.V.Satish Babu obtained "AI Primer Certification" and successfully completed Faculty Enablement Program on "Artificial Intelligence" organized by Infosys on 20.07.2024

xiii. Mrs. V. Rashmi and Mr. I.M.V.Krishna attended an Faculty Development Program on "Deep Learning for Engineering Applications"organized by Computer Science and Engineering Department, NITTTR, Chandigarh 02nd to 06th September, 2024.

xiv. Dr. J. Sirisha and Dr. Y. Padma attended a One Week National Level Online Faculty Development Program on "Outcome Based Education and Application of Generative AI in Teaching and Research" organized jointly by The University of Engineering & Management Jaipur, Rajasthan and Nirmala College, Muvattupuzha (Autonomous), Kerala in association with IPSR solutions limited 19th to 28th September 2024.

xv. Mr.I.M.V.Krishna, Mrs. D. Leela Dharani and Mrs. K. Swarupa Rani attended an International Faculty Development Program on "Gen- AI and Prompt Engineering using Microsoft Co-Pilot" organized by BNM Institute of Technology Bangalore (BNMIT) – Karnataka, D.Y. Patil Agriculture and Technical University Talsande – Maharashtra and Marwadi University Rajkot-Gujarat in Collaboration withExcelREdtech Pvt. Ltd. 16th to 20th September, 2024.

xvi. Mrs. D. Leela Dharani and Mrs. K. Swarupa Rani attended a five days Online Faculty Development Program on "Implementing AI-driven Solutions in Engineering and Technology" organized by E & ICT Academy, IIT Roorkee 23rd to 28th Sep 2024.

xvii. Dr. G. Lakshmi, Dr. A. Haritha attended a six- day Faculty Development Program on "Next GenEducators: Harnessing The Power Of Machine Learning" organized by Department of IT, Jeppiar Institute of Technology, Tamilnadu 25th to 1st October, 2024.

xviii. Dr. G.Reshma attended a One Week National Level Online Faculty Development Program on "Outcome Based Education and Application of Generative AI in Teaching and Research" organised by St. Mary's College (Autonomous), Thrissur, Kerala in association with the Collegiate Education Department, Government of Kerala 17th to 24th October, 2024.

xix. Mr. P.Ravi Prakash attended a one month Faculty Development Program on "Cyber Security" Organized by SkillDzire and AICTE 01st to 30th September, 2024.

xx. Mr. Ch. Praneeth attended a 3-Day Faculty Development Programme on "Data Ingestions and NOSQL" organized by IT Department, VRSEC in association with IQAC, VRSEC 02nd to 05th November, 2024.

xxi. Dr. Y. Padma completed an NPTEL-AICTE Faculty Development Program on "Accreditation and Outcome Based Learning" August to October 2024.

xxii. Dr K. Pavan Kumar completed Faculty Development Program on "Cloud Computing" conducted by NPTEL during July to October 2024.

xxiii. Dr. S. Sai Kumar attended a Faculty Development Programme on "Outcome based Education and Effective SAR Writing" organized by Media Engineering Department, NITTTR, Chandigarh 07th to 11th October, 2024.

xxiv. Mrs. K. Swarupa Rani and D. Leela Dharani attended a 5-day Online Faculty Development Program on "Generative AI: Foundations, Applications, and Future Directions" jointly organized by ICT Academy IIT Roorkee and Delhi Technical Campus, Greater Noida 18th to 22nd November 2024.

xxv. Dr. D. Kavitha attended a two day Professional Development Program on "Strategic Planning on new NBA Guidelines and NEP 2020" organized by Department of Information Technology, VRSEC, Vijayawada on 13th and 14th November, 2024.

xxvi. Dr. K.Pavan Kumar and Dr. S.Sai Kumar participated in a 5-Day Online Skill Development Program on "Research and Publications" organized by the Indian Institute of Technology, Dharwad, Karnataka 16th to 20th December, 2024.

xxvii. Dr. Y.Suresh completed NPTEL-AICTE Faculty Development Program on "Database Management System" during July to September 2024.

xxviii. Dr. Y.Suresh completed NPTEL-AICTE Faculty Development Program on "Introduction to Machine Learning" during July to September 2024.

xxix. Dr. Y.Suresh completed NPTEL-AICTE Faculty Development Program on "Programming in Java" during July to October 2024.

xxx. Dr. Y.Suresh completed NPTEL-AICTE Faculty Development Program on "Programming in Modern C++" during July to October 2024.

xxxi. Faculty members attended a guest lecture on "Ethical Coding and Building Human Values among Students" on 7th November, 2024 organized by department of IT.

xxxii. Faculty members attended a webinar on "Machine Learning and AI" organized by NDLI Club, PVPSIT, Vijayawada on 26th October, 2024.

xxxiii. Dr. A. Haritha and Dr.J.Sirisha attended a webinar on "Opportunities in Data Science and AI" organized by IPSR solutions limited on 29th October, 2024.

xxxiv. Dr. A. Haritha attended a webinar on "Developing Vascular Digital Twins to shift Reactive to Proactive Care" organized by ACM and SIGHPC (ACM's Special Interest Group on High Performance Computing) on 30th October, 2024.

xxxv. Dr. J. Sirisha and Mrs. V. Rashmi attended a webinar on "Opportunities in CyberSecurity" organized by IPSR solutions limited on 23rd November, 2024.

xxxvi. Mrs. V. Rashmi attended a National Webinar on "Empowering Early-Career Researchers against Cloned Journals" organized by Human Resource Development Center, Integral University, Locknow on 29th November, 2024

xxxvii. Mrs. K. Swarupa Rani and D. Leela Dharani participated in a 5-day Online Short Term Course (STC) on "Outcome Based Education and Accreditation Process" organized by Curriculum Development Centre NITTTR, Chandigarh to be held 25th to 29th November, 2024

xxxviii. Dr. A. Haritha, Dr. Y. Suresh, Dr. S. Sai Kumar, Dr. J. Sirisha and Dr. G. Reshma has participated in one day workshop on "Research Grant Writing" conducted by IQAC, PVPSIT on 5th December, 2024.

xxxix. Mrs. V. Rashmi attended a webinar on "Unlocking the Secrets of Research: A Guide to Reproducibility and Effective Data Management", organized by SLA Connecting Information Professionals, SLA Engineering Community on 5th December, 2024.

xl. Mrs. V. Rashmi attended a webinar on "Linux Administration 101 - Key Concepts for New Users", organized by KOENIG on 12th December, 2024.

xli. Mrs. V. Rashmi attended a webinar on "Transition Excel to Power BI - Introduction to modern analytics using Excel and Power BI", organized by KOENIG on 12th December, 2024.

xlii. Mrs. V. Rashmi attended a webinar on "Optimize IT Operations with Microsoft 365 Copilot - Real World Applications", organized by KOENIG on 13th December, 2024.

xliii. Dr. A. Haritha, Dr Y.Padma, Dr. J. Sirisha, Mr. B.V.Satish Babu and Mr. D. Bharadwaja attended a one week online Faculty Development Program on "Emerging Frontiers in AI: Data Science to Generative AI and its Applications" organized by Department of CSE, Andhra Loyola Institute of Engineering and Technology, Vijayawada 09th to 13th December, 2024.

xliv. Mrs. K. Swarupa Rani and Mrs. D. Leela Dharani attended a 6-day Online AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Future Perspectives of AI and Data Sciences: Algorithms and Applications" organized by Indian Institute of Information Technology Design and Manufacturing, Kancheepuram held 2nd to 7th December, 2024.

xlv. Mr. P. Ravi Prakash, Mrs. V. Rashmi attended an AICTE Training And Learning (ATAL) Academy Faculty Development Program on "Block Chain-Enabled IoT Networks with AI-Driven Automation: Transforming Smart Ecosystems for a Decentralized Future" organized By Department of Computer Science and Engineering, VRSEC 2nd to 7th December, 2024.

xlvi. Mr. I.M.V.Krishna attended an AICTE Training And Learning (ATAL) Academy Faculty Development Program on "Manufacturing Innovation and Organisational Excellence" at PB Siddhartha College of Arts & Science 2nd to 7th December, 2024.

xlvii. Faculty members attended an online guest lecture on "Large Language Models (LLM) and Google Gemini" on 9th December, 2024 organized by department of IT.

xlviii. Faculty members attended a program on "An Awareness Programme on CAT" on 28th December, 2024 organized by department of IT.

FACULTY ACHIEVEMENTS

i. Dr G.Reshma received an appreciation for sharing the valuable knowledge as a Resource Person during AI Workshop on Deep learning Architecture 17th September to 19th September 2024 conducted by Nano Science and Technology Consortium (NSTC).

ii. Dr Y.Suresh received certificate of appreciation NPTEL SWAYAM for being recognised as NPTEL BELIEVER during the period July – December 2024.

iii. Mr. B.V.Satish Babu completed courses "Artificial Intelligence Foundation Certification", "Artificial Intelligence Primer Certification", "Introduction to Natural Language Processing", "Introduction to Deep Learning", "Computer Vision 101" and "Introduction to Robotic Process Automation" in Infosys Spring Board platform in July, 2024.

iv. Mrs. K. Swarupa Rani has successfully completed a course "Natural Language Processing using Python", Natural Language Processing for developers" and "Explore Machine Learning using Python" in Infosys Spring Board in August, 2024.

v. Mrs. V. Rashmi has completed an Online Certification Course on "Machine Learning and GenAI", organized by IEduVibhu in association with Aditya Learning Academy (ALA) Aditya University, A. P., with a test score of 95% 05.08.2024 to 16.08.2024.

vi. Dr. Y.Suresh completed an 8-week NPTEL Swayam online certification course on "Database Management System" July to September 2024.

vii. Dr. Y.Suresh completed an 8-week NPTEL Swayam online certification course on "Introduction to Machine Learning" July to September 2024.

viii. Dr.J.Sirisha completed a course titled, "Exploring Prompt Engineering Techniques" in Infosys Spring Board Platform on 25-09-2024.

ix. Dr. J. Sirisha completed (with Elite + Silver) an 8-week NPTEL Swayam online certification course on "Big Data Computing" August to October 2024.

x. Dr. G. Lakshmi completed an 8-week NPTEL Swayam online certification course on "Big Data Computing" August to October 2024.

xi. Mrs D. Leela Dharani and Mrs. K. Swarupa Rani completed 12 weeks NPTEL Swayam online certification course on "Data Science using Python" July to October 2024.

xii. Dr. Y.Suresh completed 12 weeks NPTEL Swayam online certification course on "Programming in Java" July to October 2024.

xiii. Dr. Y.Suresh completed 12 weeks NPTEL Swayam online certification course on "Programming in Modern C++" July to October 2024.

xiv. Dr. A. Haritha (Elite+Silver) and Dr. Y. Padma completed an NPTEL Swayam online certification course on "Accreditation and Outcome Based Learning" August to October 2024.

xv. Dr. K. Pavan Kumar completed 12 week NPTEL Swayam online certification course on "Cloud Computing" with 83% and got Elite+Silver July to October 2024

FACULTY PARTICIPATION

i. Dr. B.V.Subba Rao delivered a technical talk to faculty members and students on "LLM and it's Real Time Applications" in the department of Artificial Intelligence, PSCMR College of Engineering and Technology, Vijayawada on 26th October, 2024

ii. Dr. B.V.Subba Rao as a chief guest inaugurated AIIM Club and delivered a technical talk to faculty members and students on "LLM and it's Real Time Applications" in the department of Artificial Intelligence, PSCMR College of Engineering and Technology, Vijayawada on 26th October, 2024.

iii. Dr. A. Haritha acted as coordinator for Spell Bee competition on the eve of National Innovation Day conducted by Institution Innovation Council, PVPSIT on 15th October, 2024

SPONSORED R&D AND CONSULTANCY ACTIVITIES

i. Dr. S. Sai Kumar and Dr. B.V. Subba Rao published a patent titled "Heart Stroke Prediction Using ML" with the Application Number: 202441052088 through IRP, India on 19.07.2024.

ii. Dr Y. Padma, Dr. J.Sirisha and Mr. P.Ravi Prakash published a patent titled "Utilizing the Block chain Technology to Amplify Certificate Validation in Education" with patent application number: 202441074879A, on 11.10.2024.

STUDENT ACHIEVEMENTS

a) Co-curricular Activities:

i. Ch.Sai Susmitha(23501A1219), M.Divya Bharathi(23501A1235), D.Sai Tejaswini (23501A1236) II IT B.Tech won I prize in the Poster making event conducted in Anti-Ragging week held during 12.08.2024 to 17.08.2024.

ii. Ch.Baby Anusha(23501A1222) II IT B.Tech won I prize in the One Minute Speaking event conducted in Anti-Ragging week held during 12.08.2024 to 17.08.2024.

iii. N.Sindhu(23501A1286) II IT B.Tech won I prize in the Essay Writing event conducted in Anti-Ragging week held during 12.08.2024 to 17.08.2024.

iv. Mohammad. Shaista(23501A1278) II IT B.Tech has won II prize in the Essay Writing event conducted in Anti-Ragging week held during 12.08.2024 to 17.08.2024.

v. PSVS. Avinash(21501A1285) of IV Year received appreciation memento and shield AANM & VVRS Gudlavelleru [E.M] High school and Lakkireddy Bali Reedy College of Engineering for acting as ISRO co-ordinator for seminars and awareness, Vibha& ISRO's SPACE on Wheel Show during September 2024.

vi.   Ch.VeenaSahithi(21501A1223), J.Navya Lakshmi (21501A1250), P.Jithendra Kumar (21501A1292), RS.Siva Sai Ram(21501A12A3) of IV Year participated in "Hacko HOLICS 5.0" 24 Hours Hackothon organized by CSI Kancheepuram Chapter in association with St. Joseph's Institute of Technology during 13.09.2024 to 14.09.2024.

vii.   R.Lavanya(22501A12A0), P.Jahnavi(22501A1296) of III Year participated in the event "Poster Presentation" in the EPISTEMICON-2k24 organized by Andhra Loyola Institute of Engineering and Technology on 28.09.2024.

viii.   G.SriSindhu(21501A1236) of IV Year as NCC cadets participated in "FIRST-AID day" at unit office on 14.09.2024.

ix.   J.Sumanvitha(22501A1242), K.Rohita(23505A1205) of III Year as NCC cadets participated in "World Rivers day" at unit office on 24.09.2024.

x.   S.L.Amrutha.G(22501A12A1), B.Sathvik Sai(22501A1212), G.Kushal(22501A1230), V.SriHarshini(22501A12C6), R.Lavanya(22501A12A0) of III year organized different "IIC events" in the month of September during 05.09.2024 to 21.09.2024.

xi.   M. Vyshnavi (23501A1268), M.Geetha (23501A1275), Md. Shaista Shoukeen (23501A1278), N.Sindhu (23501A1286), V.Shamitha (23501A12C6) of II Year B.Tech IT participated in SPELL BEE, National Innovation Day conducted on 15.10.2024 by IIC, PVPSIT, Vijayawada.

xii.   A total of 16 students II Year participated in 20 Hours National level Hackthon on different projects organized by E-Cell, BITS Pilani Hyderabad 09.11.2024 to 10.11.2024.

xiii.   A total of 14 students II Year participated in one day workshop on Mobile Application and artificial Intelligence organized by E-Cell BITS Pilani Hyderabad 09.11.2024 to 10.11.2024.

xiv.   K. Deepak Kumar (21501A1260), Uma Pavan (21501A1281) of IV Year has secured II prize in the technical event "Instamaze" organized by RVR & JC College of Engineering held on 28.12.2024.

xv.   D. Nithin (21501A1284) of IV Year has secured III prize in the technical event "Instamaze" organized by RVR & JC College of Engineering held on 28.12.2024.

xvi.   P.S.V.S Avinash (21501A1285) of IV Year has received "Kaushal organizer appreciation memento" Vijnana Bjarati, State level science talent competition supported by DRDO NSTL during 30.12.2024.

xvii.   P.S.V.S Avinash(21501A1285) of IV Year has received "Appreciation memonto" in the event "Vishva Veda Vignana Samaylanam" organized by S-VYASA university, Bangalore during 21.12.2024 to 26.12.2024

b) Extra-curricular Activities:

i.   N. Naga Venkata vasanthi (21501A1282), P.S.V.S Avinash (21501A1285) IV year IT received an appreciation certificate for serving as a NSS coordinator during the academic year 2022–24.

ii. A.Likhith(23501A1204), Ch. Revathi(23501A1221), Ch. Baby Anusha(23501A1222), M.Dilip(23501A1272), Y. Madhan Mohan(23501A12D1), K.N.Kasyapa(LEIT107) of II Year B.Tech IT acted as a organizers for the event Anti-Ragging week held during 12.08.2024 to 17.08.2024.

iii. P.S.V.S Avinash(21501A1285) of IV Year B.Tech IT acted as a organizer for the event Anti-Ragging week held during 12.08.2024 to 17.08.2024.

iv. A total of 39 students II Year B.Tech IT participated in different events, such as Essay Writing, Poster Presentation, One Minute Speaking, and Anti-Ragging Week, held 12.08.2024 to 17.08.2024.

v. P.Hemanth(23501A1296) II IT B.Tech has represented the college Badminton Team in the JNTUK Central Zone Netball(M & W) Inter Collegiate Tournament cum university Team Selection Trails held at SRKR Engineering College, Bhimvaram on 19/10/2024 to20.10.2024.

vi. D. Nithin (21501A1284) of IV Year participated in the Chess Tournament at PSCMR College of Engineering and Technology and secured 3rd Prize held on 13.11.2024.

vii. P.S.V.S Avinash (21501A1285) of IV Year has participated in the event "Mission Start UP" as part of India International Science Festival 2024 organized at IIT Guwahati during 30.11.2024 to 03.12.2024.

viii. A. Dinesh(22501A1207), B.Sathvik Sai(22501A1212), A.D Krishna Sai(22501A1209), CH.Devendra Chakrieswar(22501A1220) of III year participated in the "ACM School on Data Structures and Algorithms for Strings, with Applications to search engines and computational biology" organized by the Department of Mathematics, Amrita Vishwa Vidyapeetham, Coimbatore during 16.12.2024 to 14.12.2024.

ix. A total of 9 students III Year IT participated in the events Escape Saga, Guess the Question, Potrait as part of "The World is One" organized by VIVA VVIT during 21.12.2024 to 22.12.2024.

x. E.Sowjanya(22501A1226),G.Sravya(22501A1228),K.Niharika(22501A1256),M.Prasanna(22501A1265) of III Year has participated in the technical event "Invincible of SOIREE" organized by RVR & JC College of Engineering, held on 28.12.2024

c) Coursera/NPTEL details of the students:

i. G Vedhasree (22501A1232) from III B.Tech IT obtained Elite+Silver with top 5% in 12 weeks NPTEL online course on "Programming in Java" for the duration of July to October 2024.

ii. S Rohith (22501A12A9) from III B.Tech IT obtained Elite+Silver with top 5% in 8 weeks NPTEL online course on "Data Base Management System" for the duration of July to September 2024.

iii. 45 students from III year B. Tech IT completed "Data Base Management System" for the duration of July to September session of 2024.

iv. 33 students from III year B. Tech IT completed "Google Cloud Computing Foundations" for the duration of August to October session of 2024.

v. 5 students from III year B. Tech IT and 5 students from II year B. Tech IT in 12 weeks NPTEL online course on "Programming in Java" for the duration of July to October session of 2024.

vi.   3 students from IV year B. Tech IT completed 12 weeks NPTEL online course on "Introduction to Machine Learning" for the duration of July to September session of 2024.

vii.   1 student from III year B. Tech IT completed 8 weeks NPTEL online course on "Programming, Data Structures and Algorithms using Python" for the duration of July to September session of 2024.

viii. 1 student from III year B. Tech IT completed 8 weeks NPTEL online course on "Introduction to Internet of Things" for the duration of July to October session of 2024.

ix.   1 student from II year B. Tech IT and 1 student from III year B. Tech IT completed 12 weeks NPTEL online course on "Problem Solving Through Programming in C" for the duration of August to September session of 2024.

x.   1 student from III year B. Tech IT completed 12 weeks NPTEL online course on "Ethical Hacking" for the duration of July to October session of 2024.

xi.   63 students from II Year IT completed " Programming in C" course in Infosys Springboard Platform in July-October month.

xii.   38 students from II Year IT completed "Basics of Python" course in Infosys Springboard Platform during July - Dec months.

xiii. 01 student from II Year IT completed "C Programming Course" course in Infosys Springboard Platform in October month.

xiv.   01 student from II Year IT completed "Python Fundamentals" course in Infosys Springboard Platform during October month.

xv.   30 students from III Year IT completed "Introduction to Deep Learning" course in Infosys Springboard Platform during July- October months.

xvi.   30 students from III Year IT completed "Introduction to Artificial Intelligence" course in Infosys Springboard Platform during July - October months.

xvii. 30 students from III Year IT completed "Introduction to Natural Language Processing" course in Infosys Springboard Platform during July - October months.

xviii. 30 students from III Year IT completed "Introduction to Robotic Process Automation" course inInfosys Springboard Platform during July - October months.

xix.   30 students from III Year IT completed "Computer Vision 101" course in Infosys Springboard Platform during July - October months.

xx.   30 students from III Year IT completed "Introduction to Data Science" course in Infosys Springboard Platform during July - October months.

xxi.   30 students from III Year IT completed "Java Programming Fundamentals" course in Infosys Springboard Platform during July- October months.

xxii. 04 students from III Year IT completed "Basics of Python" course in Infosys Springboard Platform in July month.

xxiii. 59 students from IV Year IT completed "Data Visualization with Tableau" course in Infosys Springboard Platform during August-October months.

xxiv. 41 students from III Year IT completed " Python Foundation Certification" in Infosys Springboard Platform during July- September months.

xxv. 29 students from III Year IT completed "Artificial Intelligence Foundation Certification" in Infosys Springboard Platform during July-August months.

xxvi. 14 students from III Year IT completed "Artificial Intelligence Primer Certification" in Infosys Springboard Platform during August-October months.

xxvii. 85 students from IV Year IT completed "JAVA Foundation Certification" in Infosys Springboard Platform during August-October months

d) Internships:

i. One student from IV BTech completed internship in "ISRO" from 16.9.2024 to 15.11.2024 with stipend Rs.5,000 /-.

ii. Eight students from IV BTech doing internship in "CTS" from 28.01.2024 with stipend Rs.12,000 /-.

iii. One student from IV BTech, seven students from III BTech and one student from II year completed "Cyber Security" virtual internship offered by AICTE Eduskill from July to September 2024.

iv. One student from IV BTech, three students from III year and three students from II year completed "Google AI & ML" virtual internship offered by AICTE Eduskill from July to September 2024.

v. Seven students from III BTech completed "Data Engineering" virtual internship offered by AICTE Eduskill from July to September 2024.

vi. Four Students from III BTech completed "Generative AI" virtual internship offered by AICTE Eduskill from July to September 2024.

vii. A Total of 31 students are selected for Infosys Spring Board Internship III B.Tech and IV B.Tech Students in the month of September 2024.

e) Higher Education:

i. Six students went to higher studies in various international universities- University Of Massachusetts Lowell USA, Royal Holloway University Of London, Universirty Of Michigon USA, 4 Avitors Flight School South Africa, San Jose State University USA, Universirty Of North Texas USA

OTHERS

i. An orientation program was conducted for all First Year students on 06.08.2024. Dr. B.V. Subba Rao, Dr. A. Haritha, Dr. D. Kavitha, Dr. G. Reshma, and Mr. D. Bharadwaja enlightened the students about the "PVP23 IT course structure and created awareness on Outcome-Based Education", including demonstrations on Vision, Mission, CO, PO, and PSOs.

ii. The Alumni Committee, Department of IT organized an Online Alumni Meet for IT alumni residing in various countries (NRI) on 25.08.2024. Alumni the IT Department, spanning the years 2004 to 2023 were participated actively and provided valuable suggestions regarding the curriculum, syllabus, and recent technologies.

iii. Ms. K. Sri Vijaya organized Anti-Ragging Week, as recommended by AICTE, 12.08.24 to 18.08.24 in the Department of IT. During this week, all II and IV B.Tech students engaged in various activities, including spreading awareness about anti-ragging, essay writing, public speaking, and poster making, all aimed at promoting a ragging-free campus.

iv. Mr. P.Ravi Prakash and Ms. V.Rashmi registered for Part Time Ph.D at Velagapudi Rama Krishna Siddhartha Engineering College deemed to be University for the AY 2024-2025.

v. The Alumni Reunion of PVPSIT was organized on 21.12.2024 and a good number of IT Alumni had attended the event and one of the Prominent Alumnus Gandham Sarath 2003 passed out was felicitated in the event.

vi. Mr.P. Ravi Prakash, Mrs.K. Swarupa Rani, Mr. Ch. PraneethandMs.K. Sri Vijaya celebrated Engineers Day conducted "Code and Earn "for III B.Tech Students. Total 124 Students Participated on 13th September 2023.

vii. Mr.P.RaviPrakash, Mrs.K.Swarupa Rani, Mr.Ch.Praneethand Ms.K.SriVijayacelebrated Engineers Day,on this eve conducted "Problem Solving Through JAVA" for II B.Tech Students.Total 121 Students Participated on 13th September 2023.

viii. Mr. Ch. Chandra Mohan registered for the part time PhD programme under Puducherry Technology University, Puducherry in Computer Science and Engineering on 16.09.2024.

ix. Department of IT organized an industrial visit for II and IV B.Tech students at "Element School of Visual Arts", Vijayawada on 08th November, 2024

Generative AI

One of the most exciting advancements in AI is Generative AI, a powerful technology that creates human-like content, from text to images, music, and even code.
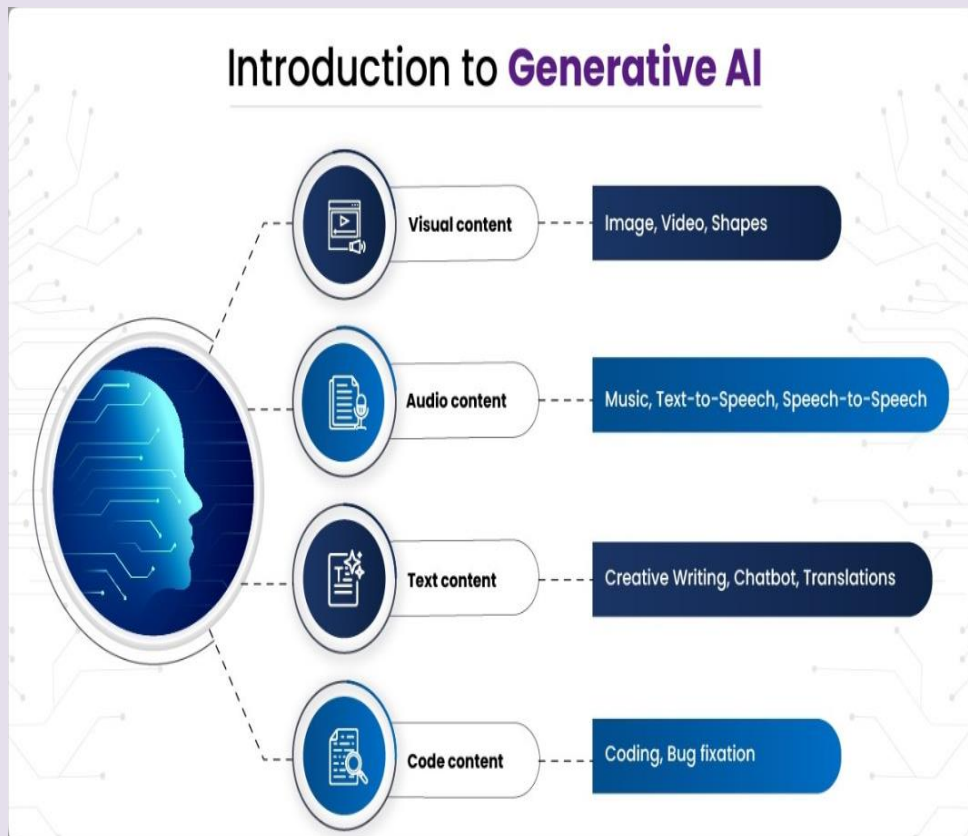
The Rise of Generative AI

Generative AI is a subset of AI that creates new content based on patterns and data.It is transforming industries by enabling new forms of creativity and innovation, while also presenting unique challenges that need to be addressed.

How Does Generative AI Work?

Generative AI models, like GPT (for text), DALL·E (for images), and MusicLM (for music), use deep learning and neural networks to produce high-quality, creative outputs. These models are trained on vast amounts of data and fine-tuned for specific tasks.

Applications of Generative AI:

- **Content Creation:** AI-generated blogs, news articles, and marketing copies.
- **Design & Art**: AI-generated digital paintings, graphic designs, and animations.
- **Healthcare**: AI-created medical images for better diagnosis.
- **Entertainment:** AI-generated music, video scripts, and even movie scenes.
- **Software Development:** AI-assisted coding and bug fixing.
- **Data Analysis**: Generative AI can help identify patterns and trends in large datasets, enabling better decision-making and insights.
- **Finance:** Generative AI can analyze financial transactions and identify suspicious patterns, helping to prevent fraud.

Future of Generative AI:

- **Integration into Industries and Everyday Life:**

  Generative AI will be integrated into various industries, including content creation, design, customer service, and scientific research.

  It will also become more prevalent in everyday life, with applications ranging from personal assistants to smart home devices.

- **Collaboration and Creative Tools:**
  Generative AI can serve as a powerful tool for collaboration and creativity, enabling users to brainstorm ideas, generate content, and create new forms of art and expression.

  It can also augment human capabilities, freeing up individuals to focus on higher-level tasks.

- **AI Agents and Automation:**
  The rise of AI agents, which are autonomous entities that can perform complex tasks, is expected to revolutionize how we work and interact with technology.

  These agents can automate tasks, manage workflows, and even make decisions on behalf of users, leading to increased productivity and efficiency.
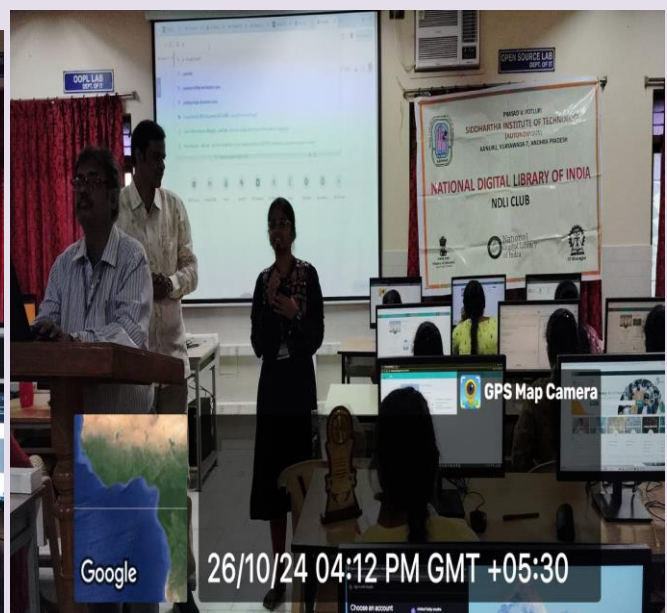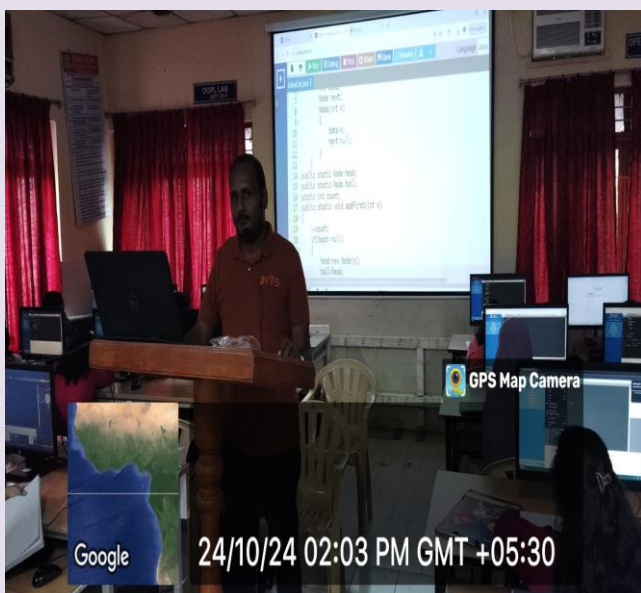
M.GeethaVarshini(23501A1275)

Orientation Sessions for I year IT students by IT Faculty
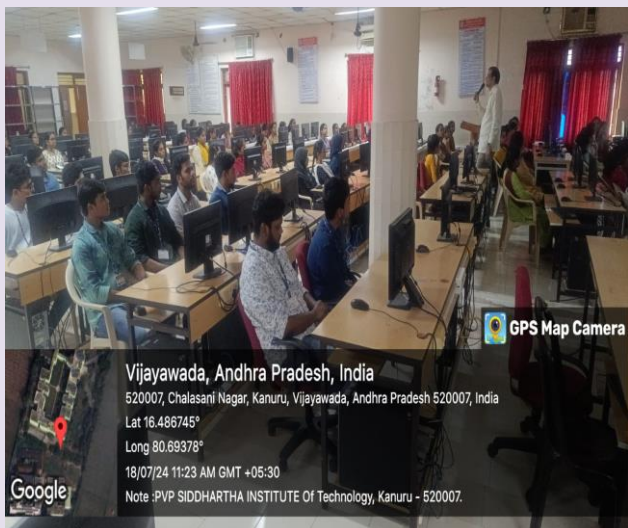
Orientation Session for II year IT students

A Short Term Training Program on "Problem Solving using Java"

A Two-Day Workshop on "Advanced Data Structures and Algorithms"

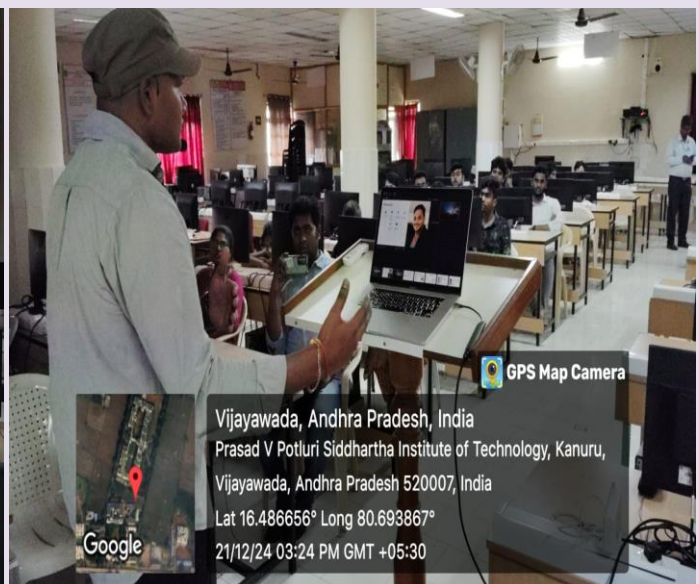

Coding Activity and Contests by coding Club
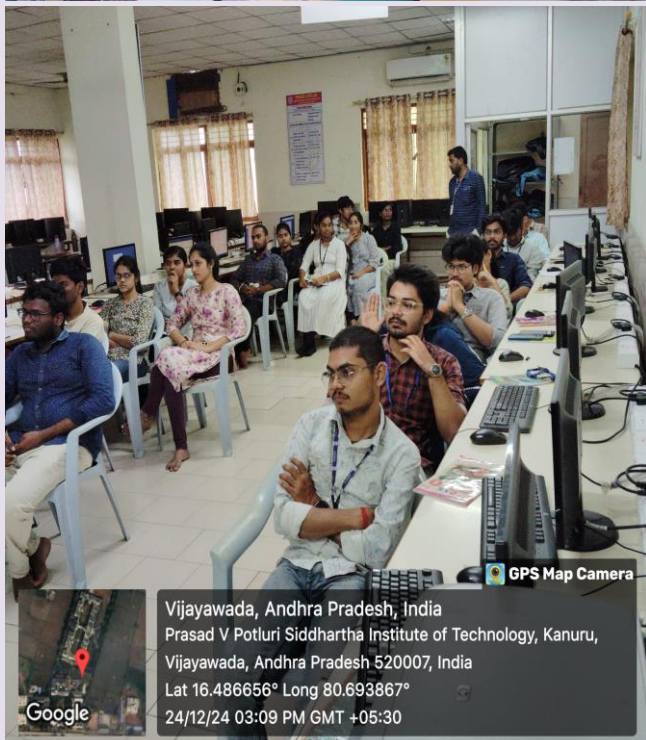

Mock Interviews by Faculty for IV year students

Consultancy Projects completion by students

Problem Solving through JAVA Coding Competitions on **Engineers Day celebrations**

Online guest lecture and seminar by Alumni

Various awareness programs about Higher Studies, CAT, studies at abroad.

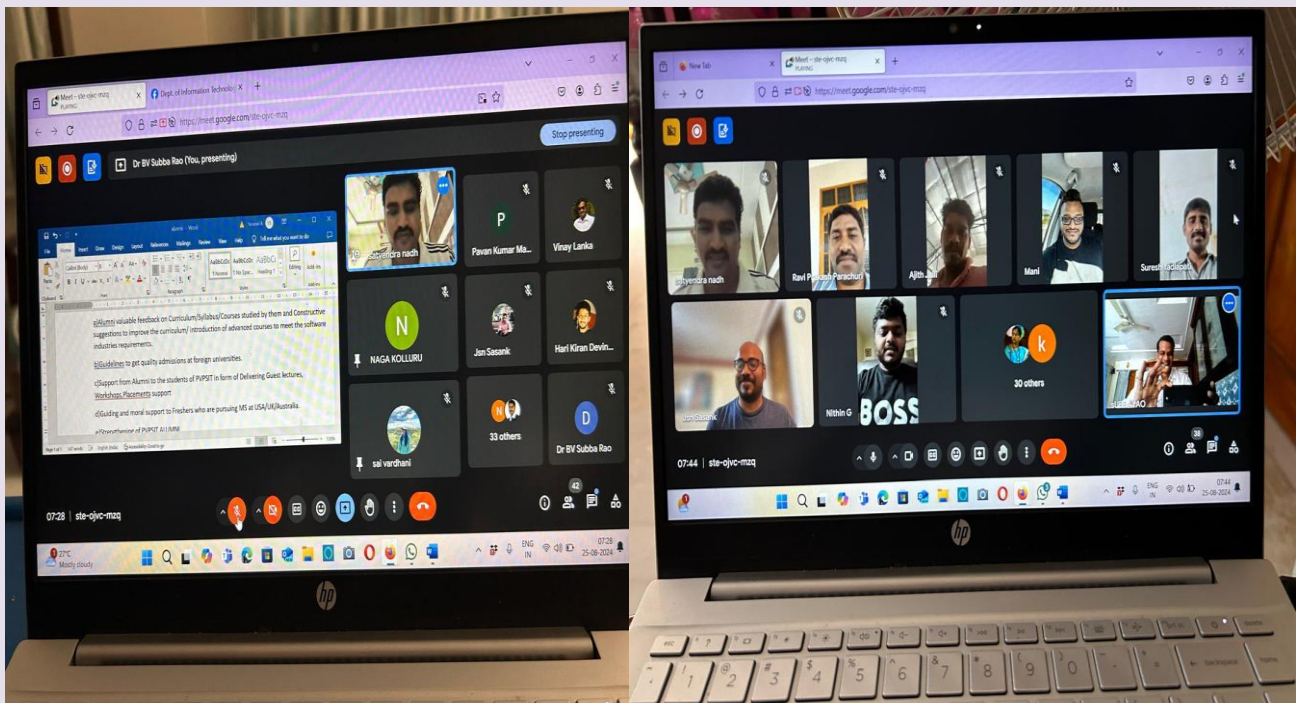

Ethical Coding   **SEP program**

NDLI and EDC programs

An industrial visit for II and IV B.Tech students at "Element School of Visual Arts"

NRI IT Alumni Meet

NBA Awareness by HOD

Ayudha Pooja in IT department