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)
NBA Accredited and ISO 9001: 2008 certified Institution
Kanuru, Vijayawada- 520 007

Volume: 26 **JANUARY: 2022**

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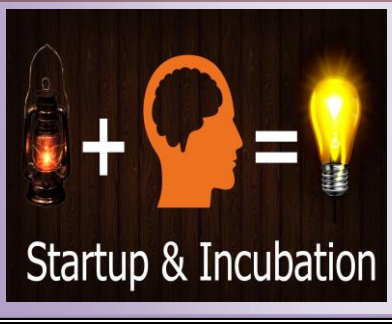
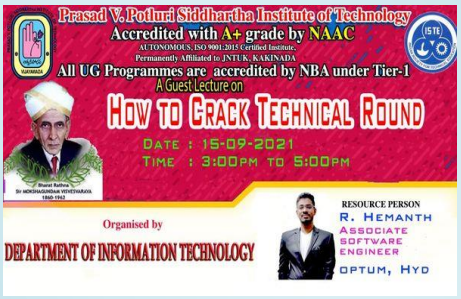
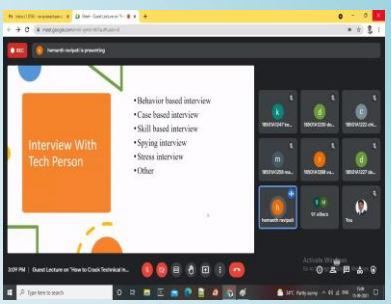


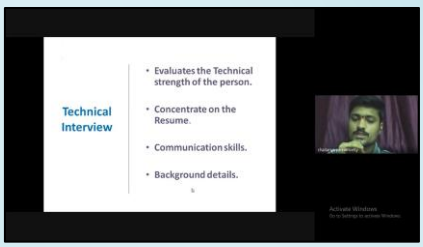
GUEST LECTURES/WORKSHOPS CONDUCTED BY THE DEPARTMENT

i. A Two day Workshop on "Online Training on Game Designing using Build Box" for the students of II B.Tech – IT by APSSDC from 12th to 24th July, 2021. Resource persons: Ms. Ch. Kamala Kumari and Ms. SK Sajida. Coordinator: Mr. Ch. Chandra Mohan.





ii. A Guest lecture on "How to Crack Technical Round" for IV Year students on 15th September, 2021. Resource person: R. Hemanth, Associate Software Engineer OPTUM, Hyderabad in association with ISTE Student Chapter on the Eve of Engineers Day. Coordinators: Mr. P. Ravi Prakash, K. Swarupa Rani, K. Srivijaya.



iii. A Webinar in association with ISTE Student Chapter on "How to Crack WIPRO" for IV year students on 25th September, 2021. Resource person: Y. Chaitanya Kumar, Project Engineer, WIPRO, Hyderabad in association with ISTE Student Chapter. Coordinators: Mr. P. Ravi Prakash, Mrs.K. Swarupa Rani and Ms. K. Srivijaya.

iv. A Webinar on "Career Perspective Ideas" on 22nd September, 2021. Resource person: Kanda Sruti (2016 passed out), Virtusa, Bangalore.

v. Mr P Ravi Prakash and Mr Ch Praneeth delivered a talk on Roadmap for Upcoming Job Opportunities to all III BTech IT students on 26th November, 2021.

vi. A one day Workshop on “Free Software and Education” for II year IT students on 29th October, 2021 in association with CSI and SWECHA AP. Resource Person: Mr. Sripath Roy Koganti, Free Software Hacktivist &Swecha AP Team. Coordinators: Ms K. Sri Vijaya and Mr.P.Ravi Prakash.

vii. A Webinar on “Deep Dive with Java Technology and Latest Trends in IT Industry” on 10th December, 2021. Resource Person: Kakollu Naresh Kumar (2016 passed out), Hewlett Packard, Bangalore.

viii. Organized “Career Guidance” to the 10th class students of ZPP High School, Tadigadapa, Vijayawada on behalf of NSS class activity with II B.Tech S2 students on 18th December, 2021. Coordinators: Ms. K. Sri Vijaya and Mr. I.M.V. Krishna

PAPERS PUBLISHED BY STAFF

i. Mr. G. Venu Gopal published a paper titled, “An Ensemble Feature Selection Approach using Hybrid Kernel based SVM for Network Intrusion Detection System” in *Indonesian Journal of Electrical Engineering and Computer Science(IJEECS*), Vol-23, Issue-1, pp. 558-565, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v23.i1.pp558-565, July, 2021.

ii. Dr.D.Kavitha published a paper titled, “Escape the Traffic Congestion using Brainstorming Optimization Algorithm and Density Peak Clustering” in Ingénierie des Systèmesd’Information, Vol. 26, Issue. 3, pp. 285-293, ISSN: 2116-7125, June, 2021. (SCOPUS)(updated in August, 2021 in Scopus database)

iii. Dr. B. V. Subba Rao, Dr. S. Sai Kumar, Mr. L. Ravi Kumar, Mr. M.Sundara Babu, Mr. P. Ravi Prakash and Dr. R. Vijay Kumar Reddy published a paper titled “Design and Development of an Innovative Biometric Technology for Automated Teller Machine” in *APTIKOM Journal on Computer Science and Information Technologies (CSIT)*, Vol. 6 No.2 (2021): pp 1-6, ISSN. 2528-2417, July 2021.

iv. Dr. A.Haritha published a paper titled “Speech Emotion Recognition System using MLP Classifier” in *International Journal of Scientific Research in Engineering and Management (IJSREM)*, Vol 5, Issue 8, pp 1-6, ISSN:2582-3930, August, 2021.

v. Mr. Ch. Praneeth, B.B Bhargavi, G.V.N Deekshitha, B.Deepthi Prasanna and J. Sathvik published a paper titled “Smart Notice Board” in *International Journal of Scientific Research in Engineering and Management*, Vol. 5, Issue. 9, pp. 1-3, ISSN: 2582-3930, September, 2021. (UGC).

vi. Dr P.V.S.Lakshmi, P.L.V. Sai Sudheer, V.Dharan, K.N.Malyaadeesh, P.V.Sai Babu published a paper titled "SLP-NLP Tool: Sign to Text Converter Using KNN Integrated CNN Algorithms" in *Wesleyan Journal of Research*, Vol 14, No:II, pp. 118-122, ISSN: 0975-1386, August, 2021.

vii. Dr. S. Sai Kumar, Dr. K. Parish Venkata Kumar and Dr. G. Lakshmi published a paper titled “Sentence Emotion Stimulation Using Python” in *MuktShabd Journal*, Vol.10, Issue 12, pp:145-157, December, 2021.

viii. Dr. B.V. Subba Rao and Dr. S. Sai Kumar published a paper titled "An Enhanced Sentiment Detection Replica by Means of Deep Neural Networks" in *MuktShabd Journal*, Vol.10, Issue 12, pp: 111-117, December, 2021.

ix. Dr. J. Rajendra Prasad and Dr. S. Sai Kumar published a paper titled "Design and Development of A Smart Garbage Observation System using IOT" in *MuktShabd Journal*, Vol.10, Issue 12, pp: 118-121, December, 2021.

x. Mrs. V. Rashmi, Dr. A. Haritha and Dr. PVS Lakshmi published a paper titled, "Survey on Machine Learning Techniques on SMS Spam Detection" in *MuktShabd Journal*, Vol. 10, Issue 12, pp. 261-267, ISSN: 2347-3150, December, 2021.

xi. Dr. G. Reshma published a book titled "Prologue to Artificial Intelligence Techniques - Predicting the Future" by *South Asian academic publications* with ISBN No: 978-81-953693-0 issued on July, 2021

PAPERS PRESENTED IN CONFERENCES

i. Dr. S. Sai Kumar, Dr. R. Vijay Kumar Reddy, Dr. J. Rajendra Prasad and Dr. G. Lakshmi presented a paper titled "Design and Deployment of Voice Assistance Application using Python" in *International Conference on Computer Science, Engineering and Applications (ICCSEA2021)* organized by International Association of Research and Development Organization, Venue: KU Home, Kasetsart University, Bangkok, Thailand on 31st July, 2021, with the ISBN:978-93-91535-01-8.

ii. Dr. J Rajendra Prasad presented a paper titled "Recent Advances of Hyperspectral Image Classification used in Predicting the Quality of Fruits and Vegetables in Agriculture" in *International Conference on Applied Science and Multidisciplinary Research (ICASMR) -2021* organized by Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada on 11th November, 2021.

iii. Ms. K.Sri Vijaya presented a paper on "The Performance Analysis and security aspects of MANET" in *ECS Transactions at the International Conference On Technologies for Smart Green Connected Societies 2021 (ICTSGS)* led by Yamagata University Japan Organised by SPAST Foundation and associated partner institutions from 29th to 30th November, 2021.

SEMINAR/CONFERENCE/WORKSHOPS ATTENDED BY STAFF

a)Seminars/Webinars:

i. Mr. P.Ravi Prakash Attended the Global Webinar on "The Future of Money-Crypto Currency" organized by Sri Sharada Institute of Indian Management –Research (SRISIIM) New Delh on 10th July, 2020.

ii. Mr. P.Ravi Prakash attended an event on "Orientation Program on national Digital Library of India" conducted by Central Library of PVPSIT on 29th July, 2021.

iii. Dr. Y Padma and Mrs. J. Sirisha participated in a webinar on "Data Science Applications using ML & DL Techniques" organized by department of Computer Science, University College of Arts & Science, Krishna University on 3rd July, 2021.

iv. Dr. Y Padma and Mrs.J.Sirisha participated in a webinar on "Outcome Based Curriculum and Implementation" organized by department of CSE, PVPSIT on 2nd July, 2021.

v. Dr. Y Padma and Mrs. J. Sirisha participated in a One Day National Webinar on "Emerging Trends in Computer Science" organized by Department of Computer Science, Krishna University , Machilipatnam in association with K.B.N. College (Autonomous), Vijayawada on 24th July, 2021.

vi. Mrs. J.Sirisha participated in a Webinar on "New Age Digital Learning Techniques" organized by the P N Panicker Foundation in collaboration with NITI Aayog, Ministry of Education, National Digital Library of India, Govt. of Kerala and P N Panicker Vigyan Vikas Kendra on 03rd July, 2021.

vii. Dr. D. Kavitha participated in a one day national webinar on "The Fourth Industrial Revolution –Opportunities & Challenges for the Indian Industry" organized by the Department of Commerce & Business Administration, P. B. Siddhartha College of Arts & Science, Vijayawada on 10th July, 2021.

viii. Dr A Haritha and Dr D Kavitha participated in a webinar on "Balanced Diet: The key to master your Metabolism" organized by Women's Cell, Prasad V. Potluri Siddhartha Institute of Technology in association with Women's Cell Parvathaneni Brahmayya Siddhartha College of Arts & Science, Vijayawada, Andhra Pradesh on 12th August, 2021.

ix. Dr. Y. Padma and Mrs. J. Sirisha participated in a seminar on "Human Values & Professional Ethics" conducted by the Prasad V. Potluri Siddhartha Institute of Technology, NDLI Club team on 22nd September, 2021.

x. Dr. Y. Padma participated in a one day online International seminar on "Robotics & Machine Learning" organized by department of Computer Applications, AIMAN College, Trichy on 24th September, 2021.

b) Workshops:

i. Mr. I.M.V. Krishna and Mr B Ajay Kumar attended a five-day e-Workshop on "LaTeX" organized by Department of Mathematics, School of Science, GITAM, Bengaluru, India, held from 5th to 9th July, 2021.

ii. Dr. G. Reshma, Dr. Y Padma, Mrs.J.Sirisha, Mrs. K. Swarupa Rani and Mrs.D. Leela Dharani participated in AICTE workshop on "Examination Reforms" organized by All India Council for Technical Education (AICTE) and Chitkara University, Chandigarh during 8th to 10th July, 2021.

iii. Mrs.J.Sirisha attended a three day Workshop on "Citation Tools And Techniques" organized jointly by Departments of Computer Science and Engineering and Information Technology, CVR College of Engineering from 19th July to 21st July, 2021.

iv. Mrs. V. Rashmi, Dr. G. Lakshmi and Mr. I. M. V. Krishna has participated in one day online Workshop on "How to Conduct the Student Induction Program" organized by All India Council for Technical Education (AICTE) on 20th September, 2021.

c) STTP/STCs:

i. Mr. I. M.V. Krishna attended a Six-day Online Short Term Training Program on "Augmented Reality and Virtual Reality Phase-3" organized by Department of Computer Science and Engineering, MVGR college of engineering from 20th to 25th September 2021.

ii. Dr. S. Sai Kumar participated a three day online short course on "FDPOM - 72 NBA Accreditation" organized by NITTTR Chennai from 27th to 29th September, 2021.

iii. Dr. D.Kavitha participated in a Short Term Training Program on "Effective Engineering Teaching Practices" Part-4 organized by Department of Civil Engineering, Prasad V. Polturi Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh from 25th to 30th October, 2021.

iv. Dr.K.Pavan Kumar successfully completed the Amazon Solution Architect course as part of the AWS Academy program conducted by EduSkills Foundation from 20th to 30th October, 2021.

v. Dr A.Haritha, Dr. D. Kavitha, Mrs. J. Sirisha, Dr G Lakshmi, Mr. G Venu Gopal and Ms. V. Rashmi has participated in a Two Week Summer School on "Artificial Intelligence in Remote Sensing Applications", organized by Department of Computer Science and Engineering, VRSEC in collaboration with ISRO & DRDO from 27th September to 8th October 2021.

d) Faculty Development Programmes:

i. Mr. Ch. Praneeth, and Dr R. Vijaya Kumar Reddy attended a five-day Faculty Development Programme on "Business Analytics Using Python for Food & Agriculture Sector" organized by Indian Institute of Plantation Management, Bengaluru from 26th to 30th July, 2021.

ii. Dr. D. Kavitha, Dr G Lakshmi and Mr. G. Venu Gopal participated in a one week online Faculty Development Programme on "Role of Machine Intelligence for Information Retrieval" organized by the Department of Computer Science & Engineering of GMR Institute of Technology, Rajam in association with CSI and ISTE from 6th to 11th July, 2021.

iii. Dr. S. Sai Kumar participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Program on "Deep Learning for Visual Computing" organized by Sri Krishna College of Engineering and Technology from 12th to 16th July, 2021.

iv. Dr. B. V. Subba Rao and Dr. Rajendra Prasad participated in AICTE Training and Learning (ATAL) Academy Online Advanced Faculty Development Program on "Artificial Intelligence for Computer Vision" organized by Indian Institute of Technology, Roorkee from 26th to 30th July, 2021

v. Dr. Y Padma participated in online ATAL faculty development programme on “Framework for Online Assessment” organized by NITTR, Chennai during 12th to 16th July, 2021.

vi. Ms. K. Srivijaya participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Program on "Introduction to the mathematical modelling of smart materials and their applications to sensors and actuators" conducted by IIT Jammu from 12th to 16th July, 2021.

vii. Dr. D. Kavitha participated in an AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Programme on "Green Technology for Sustainable Life: Indian Perspective” conducted by National Institute of Technology, Silchar, Assam from 19th to 23rd July, 2021.

viii. Dr.D.Kavitha participated in a national level one week online Faculty Development Programme on “Multi-Technology” organised by the Department of Computer Science, P B Siddhartha College Of Arts & Science in association with National Youth Council of India and Brainovision Solutions India Pvt. Ltd from 28th June to 03rd July, 2021.

ix. Dr B V Subba Rao, Dr J Rajendra Prasad and Dr. S Sai Kumar participated in AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Program on “Data Sciences” at Central University of Kerala from 09th to 13th August, 2021.

x. Mr. I.M.V.Krishna participated in AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Program on “Advances of Artificial Intelligence and Machine Learning in Societal Development” organized by Uttarakhand Open University from 16th to 20th August, 2021.

xi. Mr. Ch.Praneeth participated in AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Program on “Internet of Things” organized by Rajagopal Polytechnic College, from 23rd to 27th August, 2021.

xii. Dr.D.Kavitha participated in an AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Programme on “A Blend of Internet of Things, Cyber Security & Blockchain and Applications” conducted by National Institute of Technology, Silchar, Assam from 23rd to 27th August, 2021.

xiii. Dr. Y Padma & Mrs. V. Rashmi attended a five-day online AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Program on “Smart City Solutions for Sustainable Future” organized by BMS College of Engineering from 02nd to 06th August, 2021.

xiv. Mr. B. Ajay Kumar participated in AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Program on "Cyber Security" organized by Institute of Engineering and Technology from 24th to 28th August, 2021.

xv. Dr. K.Pavan Kumar participated an AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Program on “Block chain Technology and Crypto currency”organized by Dept. of Computer Science & Engineering, National Institute of Technology Agartala, Tripura from 23rd to 27th August, 2021.

xvi. Dr. K. Pavan Kumar participated in a online Faculty Development Program on “Research Methodology and IPR" organized by Department of CSE in association with IQAC, under

AICTE Margdarshan organized by V R Siddhartha Engineering College from 13th to 17th September, 2021.

xvii. Mrs. M. Sowjanya, Mrs. V. Rashmi and Mr. Ch. Chandra Mohan participated in five day Faculty Development Program on “Salesforce Developer Catalyst” Conducted by Andhra Pradesh State Skill Development Corporation (APSSDC) from 7th to 11th September 2021.

xviii. Dr. D. Kavitha, Mrs. V. Rashmi, Mr. P. Ravi Prakash and Mr. G Venu Gopal attended one week online AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Programme on “Stress Management” organized by VNR Vignana Jyothi Institute of Engineering and Technology from 13th to 17th September 2021.

xix. Dr. G. Reshma, Mrs. D. Leela Dharani, Mrs. K. Swarupa Rani participated in five day AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Program on “Predictive Modelling Using Data-Science Techniques" organized by Indian Institute of Technology Guwahati from 06th to 10th September, 2021.

xx. Dr P. V. S. Lakshmi and Dr G. Lakshmi attended a five day AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Program on "Intelligent Computing in Health Care" organized by National Institute of Technology Raipur from 20th to 24th September, 2021

xxi. Mr. B. Ajay Kumar attended a five day AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Program on "MEAN stack technologies" organized by Sree Vidyanikethan Engineering College from 21st to 25th September, 2021.

xxii. Dr. K. Pavan Kumar attended a five day AICTE Training And Learning (ATAL) Academy Online Elementary Faculty Development Program on “IoT Framework Development For Agriculture Sector” organized by Dept. of Computer LBS College of Engineering, Kasaragod, Kerala from 06th to 10th September, 2021.

xxiii. Mr. I. M. V. Krishna attended a TEN-day Online Faculty Development Programme on “Research Issues in AI: Applications of Machine Learning, Computer Vision and NLP” organized by Department of Information Technology, VR Siddhartha Engineering College from 20th to 30th October, 2021.

xxiv. Dr. G.Reshma, Mrs. K.Swarupa Rani and Mrs. Di Leela Dharani participated AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Programme on “Application of AI, ML and DL in Smart Healthcare” organized by Maulana Abul Kalam Azad University of Technology, West Bengal from 2021-09-27th September to 01st October, 2021

xxv. Dr.Y Padma participated in online ATAL faculty development programme on “Enhancing Young Minds” organized by Satyabama Institute of Science & Technology, Chennai from 4th to 12th October, 2021.

xxvi. Ms. V.Rashmi has participated in Online Faculty Development Program on “Salesforce Administrator”, organized by Andhra Pradesh State Skill Development Corporation (APSSDC) in association with Salesforce as a part of Salesforce Trailblazer Connect Program from 14th to 17th September, 2021.

xxvii. Dr P.V.S.Lakshmi and Dr. Y Padma participated in an online faculty development programme on “Foundations of Modern Cryptography” conducted by the Department of Computer Science and Engineering, NIT Calicut, during 15th to 19th November, 2021.

xxviii. Mr. B. Ajay Kumar and Mrs. V. Rashmi attended a three days online Faculty Development Program on “NAAC Accreditation” conducted by NITTTR Chennai from 22nd to 24th November, 2021.

xxix. Mr. Ch. Praneeth, attended a 5-day AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Programme on "Application of Artificial Intelligence in Research and development" organized by CSIR -Advanced Materials and Processes Research Institute, Bhopal from 22nd to 26th November, 2021.

xxx. Dr Y Suresh and Mr. G.Venu Gopal participated an AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Program on "Data science using python" organized by University of Hyderabad from 15th to 19th November, 2021

xxxi. Mr. Ch Chandra Mohan attended one week ATAL online Faculty Development Programme on “Computer Science & Biology (Cognitive load Theory and Application)” organized by NIT Durgapur, from 21st to 25th December, 2021.

xxxii. Ms. K. Srivijaya participated an AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Program on "Artificial Intelligence and Internet of Things in Nanotechnology, Sensors, and Communication in the making of Aatmanirbhar Bharat." at Indian Institute of Technology, Indore from 6th to 10th December, 2021.

xxxiii. Dr.Y. Suresh participated an AICTE Training and Learning (ATAL) Academy Online Elementary Faculty Development Program on "Data Science &Its Applications" at Lakireddy Bali Reddy College of Engineering from 06th to 10th December, 2021.

xxxiv. Mrs. V.S. Parvathi participated in 40-hours faculty development program on “Mathematicsand Statisticsfor Machine Learning” organized by E&ICT Academy, NIT Warangal and Pondicherry University during 22nd November to 2nd December, 2021.

e) Training:

i. Mr. P.Ravi Prakash completed Level 1 Training under Project eSaksham, a joint initiative of ministry of Education, All India Council for technical Education (AICTE) and Cyber Peace Foundation(CPF) on 04th July, 2021.

ii. Mr. Ch. Praneeth attended a five-day Train the Trainer Program on "Java Programming" organized by Infosys Limited from 05th to 09th July, 2021.

iii. Dr A Haritha has undergone “Innovation Ambassador training (Foundation Level)” conducted by MoE's Innovation Cell & AICTE during 30th June to 30th July 2021.

iv. Dr.G.Reshma Attended six day Training program on **“**Celonis Academy Process Mining Foundation Educator Training Program” organized by Eduskills Foundation from 23rd to 28th August, 2021

v. Dr. K. Pavan Kumar attended five day training program on “NBA Accreditation” Conducted by NITTTR, Bangalore Extension center from 20.09.2021 to 24.09.2021.

vi. Dr. G. Reshma successfully completed the "Robotic Process Automation Associate Developer Educator Training" conducted by EduSkills Foundation as part of Blue Prism University Academia Program from 04th to 08th October, 2021.

FACULTY ACHIEVEMENTS

i. Mr. Ch. Praneeth completed a course titled "Modern Natural Language Processing in Python", authorized by Martin and Ligency Team offered through Udemy on 09th August, 2021

ii. Mrs.J.Sirisha completed a course titled, "Introduction to Artificial Intelligence (AI)" authorized by IBM and offered through Coursera on 20th October, 2021.

iii. Mrs. J. Sirisha completed a course titled "Data Structures and Algorithms using Java - An Interactive Way" on Infosys Spring Board authorized by Infosys Limited on 30th November, 2021.

iv. Dr. K. Pavan Kumar completed AWS Academy Cloud Architecting course conducted by AWS Academy with 40 hours duration on 20th December, 2021.

v. Dr A.Haritha completed an online course titled "Introduction to Data Science" conducted by Skillup during December, 2021.

vi. Mr. Ch. Praneeth completed a course titled, "Python for Data Science" offered through Infosys Springboard on 31st December, 2021.

vii. Mrs. J. Sirisha completed a course titled "Programming using Java" on Infosys Spring Board authorized by Infosys Limited on 23rd December, 2021.

viii. Mrs. J. Sirisha completed a course titled "Teaching with Peer Review Using Eduflow" an online non-credit course authorized by Coursera Project Network and offered through Coursera on 13th December, 2021.

ix. Dr. K. Pavan Kumar completed "AWS Academy Cloud Architecting" course conducted by AWS Academy with 40 hours duration on 20th December, 2021

x. Dr. R. Vijay Kumar Reddy reviewed a paper titled "Best Shot Selection using Convolutional Neural Networks," submitted to *ELCVIA Electronic Letters on Computer Vision and Image Analysis* in July, 2021.

xi. Dr. P.V.S.Lakshmi has been a member of technical program committee of 9th International Conference on "Frontiers of Intelligent Computing: Theory and Applications (FICTA2021)" organized by Departments of Computer Science and Engineering & Electronics and Communications Engineering, National Institute of Technology, Mizoram, India, and contributed in the peer review process. Her reviewer contribution is appreciated and got the certificate in the month of August, 2021.

xii. Dr. A. Haritha received an appreciation letter from SPRINGER for the dedicated peer review done during the period of January to June, 2021.

xiii. Dr. K. Pavan Kumar received "Certificate of Excellence in Reviewing" award in recognition of an outstanding contribution to the Asian Journal of Research in Computer Science on 13th September, 2021.

xiv.

xv. Dr. D. Kavitha contributed as a reviewer to the 4th International Conference on "*Computational Intelligence & Data Engineering (ICCIDE - 2021)*" in association with Springer organized by the School of Computer Science and Engineering (SCOPE), VIT-AP University, Amaravati, Andhra Pradesh, India, during 13th to 14th August 2021.

xvi. Dr. D. Kavitha contributed as a reviewer to the AICTE sponsored International Conference on Advances in Computer Engineering and Communication Technology (ICACET-2021) organized by Department of IT, CSE & ECE, Aditya College of Engineering & Technology, Surampalem, Andhra Pradesh, India, during 22nd to 23rd October, 2021.

xvii. Mr. G. Venu Gopal reviewed a manuscript titled "Improved Congestion Control in Wireless Sensor Networks using Clustering with Metaheuristic Approach" submitted to Journal of Mobile Multimedia (JMM), a Scopus Indexed Journal in October, 2021

FACULTY PARTICIPATION

i. Dr. K. Pavan Kumar acted as a session chair for the "International Conference on Artificial Intelligence and its Emerging Areas, (NEC-ICAIEA-2K21)", organized by Department of Computer Science and Engineering in association with CSI, Narasaraopeta Engineering College, Narasaraopet, A.P, on 16th and 17th July, 2021.

ii. Dr. J. Rajendra Prasad acted as a jury for the "Debate" and "Poster Making" events conducted by Department of Computer Applications, VR Siddhartha Engineering College, Kanuru, Vijayawada on the occasion of Innovation Day on 12th October, 2021.

iii. Dr. B.V. Subba Rao attended Board of Studies Meeting as a subject expert for the Department of Computer Science in Sri Durga Malleswara Siddhartha Mahila Kalasala on 16th December, 2021

SPONSORED R&D AND CONSULTANCY ACTIVITIES

1. Dr. K. Pavan Kumar published a patent titled "Face Recognition and Analysis using Singular Value Diagonalization and Band Reduction Techniques" sponsored by Siddhartha Academy of General and Technical Education, Vijayawada with application number: 202141039178 dated 03/09/2021, Intellectual Property Rights, Government of India

STUDENT ACHIEVEMENTS

a) Co-curricular Activities:

i. G. Sai Siddhartha, II B.Tech IT, won I prize in the event "AAVISHKAR" SAPTACIA, organized by ACM Student Chapter, VR Siddhartha Engineering College, Kanuru, Vijayawada during 03.07.2021 to 04.07.2021

ii. N. V. N. Vaishnavi, T. Navya, V. Srilekha, V. Karthik students of IV B.Tech and Mrs D. Leela Dharani, Assistant Professor, published a paper titled, "Blind Assistance in object detection and generating voice alerts" in DogoRangsang Research Journal, Vol-08, Issue-14, No. 02, , pp. 483~488, ISSN: 2347-7180, August, 2021.

iii. Ch.Meghana, G.Jeevan, B.Vyshnavi, B.Manikanta students of IV B.Tech and Mrs. K.Swarupa Rani, Assistant Professor, published a paper titled "Stock Market Prediction via Multi-Source Multiple Instance Learning" in Juni Khyat journal, Vol. 11, Issue. 01, pp.369~646, ISSN: 2278-4632, August, 2021.

iv. Tahseen Kausar has participated & secured certificate of Appreciation(75% in C & Python coding contest) in Trigger Minscape, A National level online coding quiz organized by TechXtreme Club, Dept. of CSE, Sri Vishnu Engineering College for Women, Bhimavaram on the eve of Engineer's day on 1^{5th} September, 2021.

v. K. Sreeja, P. Om Sai Gowtham, K. Siva Rama Krishna students of IV B.Tech and Dr Y Padma, Assistant Professor, published a paper titled "Emotion Elicitation using Machine Learning Techniques" in Dogo Rangsang Research Journal, Vol-08, Issue-14, pp:603-606, ISSN: 2347-7180, October 2021.

vi. B. Geethanjali, K. Yesudas, E. Sneha, Vinnakota G. Sai Bhavya Sri students of IV B.Tech and Ms. D. Leela Dharani, Assistant Professor published a paper titled, "Blood Donor Information System" in DogoRangsang Research Journal, Vol-08, Issue 14, No. 03, pp. 355~359, ISSN: 2347-7180, December 2021.

vii. K Lakshmi Surya Mukhi, G. Vijayalakshmi, G. Hema, A. Rupa Sri, students of IV B.Tech and K.Swarupa Rani, Assistant Professor published a paper titled "Online Examination System" in DogoRangsang Research Journal, Vol 08, Issue 14, No. 03, pp.373~377, ISSN: 2347-7180, December 2021.

viii. V. Sirisha, Y. Neeraj Sai, S. Sandeep Babu,V. Lohitha, students of IV B.Tech and Dr.G.Reshma, Assistant Professor, published a paper titled "Online food Information System" in Dogo Rang sang Research Journal, Vol-08, Issue-14, No. 03, pp. 365-372, ISSN: 2347-7180, December 2021.

ix. G. Sai Siddhartha, III B.Tech IT, won I prize in the event "IIB(Innovate-Ideate Build)" organized by VIVAVVIT, Vasireddy Venkatadri Institute of Technology, Namburu, 2021-22 during 21.12.2021 to 22.12.2021.

x. G Vishnu Vardhan , III B.Tech IT, won I prize in the event "Pictorial Quiz" organized by VIVAVVIT, Vasireddy Venkatadri Institute of Technology, Namburu, 2021-22 during 21.12.2021 to 22.12.2021.

xi. G Apoorva, K Tejasree, III B.Tech IT, won I prize in the event "Exquizite" organized by VIVAVVIT, Vasireddy Venkatadri Institute of Technology, Namburu, 2021-22 during 21.12.2021 to 22.12.2021.

xii. M Srilekha, B Sai Mahitha, III B.Tech IT, won II prize in the event "Exquizite" organized by VIVAVVIT, Vasireddy Venkatadri Institute of Technology, Namburu, 2021-22 during 21.12.2021 to 22.12.2021.

xiii. K Varun, III B.Tech IT, won II prize in the event "National Level Coding Competition" organized by CSI student chapter and ELITE Club, Department of CSE, VRSEC, Vijayawada on 24th December, 2021.

xiv. 15 students from II and III B.Tech IT participated in National Level Techno Management Quiz Competition 'Biz-Maven'-2021 organized by KL Business School on 13.11.2021.

xv. 7 students from II B.Tech IT participated in Azadi ka Amrit Mahotsav, Conducted by District administration, Govt. Of AP in association with SAGTE and JIGNASA Interface Pvt. Ltd., at PB Siddhartha Arts and Science College, from 26.11.2021 to 27.11.2021.

b) Extra-curricular Activities:

i. B Sujan Chowdary, II B.Tech IT, won I prize in the event "50 meters free style" JNTU, Kakinada Inter-collegiate Tournament cum Selections held DSA swimming pool, Edupugallu, organized by PVPSIT, Vijayawada on 15.12.2021.

ii. B Sujan Chowdary, II B.Tech IT, won II prize in the event "100 meters free style" JNTU, Kakinada Inter-collegiate Tournament cum Selections held DSA swimming pool, Edupugallu, organized by PVPSIT, Vijayawada on 15.12.2021.

iii. B Sujan Chowdary, II B.Tech IT, won I prize in the event "100 meters Butterfly" JNTU, Kakinada Inter-collegiate Tournament cum Selections held DSA swimming pool, Edupugallu, organized by PVPSIT, Vijayawada on 15.12.2021.

iv. B Sujan Chowdary, II B.Tech IT, won I prize in the event "100 meter back stroke" JNTU, Kakinada Inter-collegiate Tournament cum Selections held DSA swimming pool, Edupugallu, organized by PVPSIT, Vijayawada on 15.12.2021.

v. B Sujan Chowdary, II B.Tech IT, won II prize in the event "50 meters Butterfly" JNTU, Kakinada Inter-collegiate Tournament cum Selections held DSA swimming pool, Edupugallu, organized by PVPSIT, Vijayawada on 15.12.2021.

vi. G Sai Siddhartha, III B.Tech IT, won II prize in the event "Table Tennis(Men)" organized by VIVAVVIT, Vasireddy Venkatadri Institute of Technology, Namburu, 2021-22 during 21.12.2021 to 22.12.2021

c) Coursera/NPTEL Details of the students:

i. Total of 84 students in Department of Information Technology have successfully completed Java test organized at Prasad V. Potluri Siddhartha Institute of Technology by Department of Computer Science & Engineering conducted remotely after the training by the Spoken Tutorial Project, IIT Bombay in October, 2021.

ii. Total of 12 students in Department of Information Technology have successfully completed Java test organized at Prasad V. Potluri Siddhartha Institute of Technology by Department of Computer Science & Engineering conducted remotely after the training by the Spoken Tutorial Project, IIT Bombay on 5th November, 2021.

iii. 95 students from III B.Tech successfully completed the course "Programming using Java" in Infosys Spring Board Platform.

iv. 40 students from III B.Tech successfully completed the course "Data Structures and Algorithms Using Java" in Infosys Spring Board Platform.

v. One student from III B.Tech successfully completed the course "Programming using Java-SCG Batches" in Infosys Spring Board Platform.

vi. One student from III B.Tech successfully completed the course "Java Programming Fundamentals" in Infosys Spring Board Platform.

vii. Three students from III B.Tech successfully completed the course "Basics of Python" in Infosys Spring Board Platform.

viii. One student from III B.Tech successfully completed the course "Programming Fundamentals using Python-part1" in Infosys Spring Board Platform.

ix. One student from III B.Tech successfully completed the course "Data Structures and Algorithms Using Python-Part1" in Infosys Spring Board Platform.

x. Three students from III B.Tech successfully completed the course "OOP Using Python" in Infosys Spring Board Platform.

xi. One student from III B.Tech successfully completed the course "Programming Fundamentals using Python-part2" in Infosys Spring Board Platform.

xii. 13 students from II B.Tech successfully completed the course "C programming for beginners on Windows" in Infosys Spring Board Platform.

STUDENT HIGHER STUDIES

i. Bhuvana P (17501A1212) of 2017-2021 Batch joined MS at University Of Albany,USA

ii. B.Vamsi Krishna (17501A1215) of 2017-2021 Batch joined MS at The University of Tampa, USA

iii. Sathvik. J (17501A1250) of 2017-2021 Batch joined MS at University of Albany,USA

iv. K .Sai Padma Sri (17501A1265) of 2017-2021 Batch joined MS at The University of Memphis ,USA

v. M.Hyndhavi (17501A1279) of 2017-2021 Batch joined MS University Of Houston Clear, USA

vi. Neha N (17501A1282)) of 2017-2021 Batch joined MS at Northern Illinois University ,USA

vii. Lakshmi Tulasi .T (17501A12A8) of 2017-2021 Batch joined MS at Florida International University.

viii. V. Jaya Keerthi (17501A12B5) of 2017-2021 Batch joined MBA at The Indian Institute of Management Visakhapatnam.

STUDENT INTERNSHIPS & PLACEMENTS

90 students completed their internships in July – December 2021 period.

Total 224 placements bagged by 2018-2022 batch students in the period of July- December 2021. Details are given below.

S.No	Regd Numb	Name	Company Name	Count	PACKAGE	PKG
1	18501A1205	Anumolu Saireshma	VIRTUSA	19	4LPA	550000
2	18501A1206	Appana Navyasree				550000
3	18501A1207	Aradhyula Akshitha				550000
4	18501A1208	Aravapalli Dayana Chowdary				550000
5	18501A1213	Balaswamy Reneetha				550000
6	18501A1216	Bhargavi Bpss Putcha				550000
7	18501A1218	Chalapati Uma Vaishnavi				550000
8	18501A1219	Ch R S V Amrutha Kalyani				550000

9	18501A1222	Chintanaboyina Nagendra Babu				550000
10	18501A1241	Inukollu Karthik				550000
11	18501A1245	Kakumanu Lakshmi Priyanka				550000
12	18501A1247	K N Sai Reshma Chowdary				550000
13	18501A1249	K.R.R.Deekshita				550000
14	18501A1255	Kunchanapalli Yesu Dasu				550000
15	18501A1257	Mahamkali Sirisha				550000
16	18501A1260	Mathi.Naga Devi Swapna				550000
17	18501A1286	Renduchinthala Yagna Priya				550000
18	18501A12A5	Thota.Prathyusha				550000
19	18501A12A9	Vadlamudi Gopi Chand				550000
20	18501A1278	Patchipulusu Lakshmi Aashika	Infytq	1	3.6LPA	360000
21	18501A1222	Nagendra Babu Chintanaboyina	CTS GENC NEXT	4	6.75LPA	675000
22	18501A1241	Karthik Inukollu				675000
23	18501A1271	Kowshik N				675000
24	18501A12A5	Prathyusha Thota				675000
25	18501A1220	Ch Venkata Naga Laxmi Sahalya	GENC-ELEVATE	5	4LPA*Extra Benifits	400000
26	18501A1245	Kakumanu Lakshmi Priyanka				400000
27	18501A1247	K.Naga Sai Reshma Chowdary				400000
28	18501A1278	Patchipulusu Lakshmi Aashika				400000
29	18501A12B7	V Poojitha Sarada Bhavani				400000
30	18501A1206	Appana Navyasree	MAQ	2	7LPA	700000
31	18501A12A5	Thota.Prathyusha				700000
32	18501A1201	Sampath Raghavendra Adi	CAPGEMNI SENIOR ANALYST	2	7.5LPA	750000
33	18501A1252	Kota Sai Jaya Lahari				750000
34	18501A1205	Anumolu Saireshma	CAPGEMNI	17	4LPA	400000
35	18501A1216	Bhargavi Bpss Putcha				400000
36	18501A1220	Chaluvadi Venkata Naga Laxmi Sahalya				400000
37	18501A1226	Bhavani Darsi				400000
38	18501A1236	Rajeswari Gatram				400000
39	18501A1238	Vijayalakshmi Gokanakonda				400000
40	18501A1245	Kakumanu Lakshmi Priyanka				400000
41	18501A1260	Mathi. Naga Devi Swapna				400000
42	18501A1264	Mudigonda Supraja				400000
43	18501A1278	Patchipulusu Lakshmi Aashika				400000
44	18501A1280	Pinjala Jyothika				400000
45	18501A1281	Ponugupati Eswar Kumar				400000
46	18501A1287	Romala Sai Krishna				400000
47	18501A1289	Sangadi Udaya Gowri				400000
48	18501A12B0	Vanama Harshitha				400000
49	18501A12B3	Veeravarapu Naga Sri Durga				400000

50	18501A12B4	Velaga Lohitha				400000
51	18501A1204	Ande Yatheswar	GENC-ELEVATE	11	4LPA*Extra Benifits	400000
52	18501A1205	Anumolu Saireshma				400000
53	18501A1206	Appana Navyasree				400000
54	18501A1229	Satish Dondapati				400000
55	18501A1236	Rajeswari Gatram				400000
56	18501A1246	Kalluri Mohankarthik				400000
57	18501A1250	Vinay Konakanchi				400000
58	18501A1290	Sarayu Maha Lakshmi Perla				400000
59	18501A12A7	V S S N Praneetha Potti				400000
60	18501A12B0	Vanama Harshitha				400000
61	18501A12C0	Yerradla Madhuri				400000
62	18501A1201	Sampath Raghavendra Adi	GENC	24	4LPA	400000
63	18501A1218	Chalapati Uma Vaishnavi				400000
64	18501a1226	Bhavani Darsi				400000
65	18501A1227	Poornima				400000
66	18501A1230	Rakshitha Donepudi				400000
67	18501A1231	Eeda Sneha				400000
68	18501A1232	Gaddam Veera Venkata Akhil				400000
69	18501a1235	Hema Garlapati				400000
70	18501A1238	Vijayalakshmi Gokanakonda				400000
71	18501A1242	J Donthu Naga Chandrika Rani Rani				400000
72	18501A1252	Kota Sai Jaya Lahari				400000
73	18501A1256	Macherla Madhurima				400000
74	18501A1258	Susritha Malempati				400000
75	18501A1261	Pujitha Mendru				400000
76	18501a1265	Mudunuri Ramya				400000
77	18501A1268	Shivaram Myneni				400000
78	18501A1281	Ponugupati Eswar Kumar				400000
79	18501A1288	Samreen Mizbha				400000
80	18501A1289	Sangadi Udaya Gowri				400000
81	18501a12a0	Bhavana Sunnapu				400000
82	18501A12B1	Varre Sirisha				400000
83	18501A12B4	Velaga Lohitha				400000
84	19505A1203	Kumara Venkateswararao Chidepudi				400000
85	19505A1209	Mekala Siva Rama Krishna				400000
86	18501A1204	Ande Yatheswar	VALUELABS	2	4.5LPA	450000
87	18501A1290	Sarayu Maha Lakshmi Perla				450000
88	18501A1204	Ande Yatheswar	VIRTUSA NEURL HACK	3	4LPA	400000
90	18501A1290	Sarayu Maha Lakshmi Perla				400000
91	18501A12B0	Harshitha Vanama				400000

92	18501A1209	Arimilli Sai Sunisha	TCS	20	3.36LPA	336000
93	18501A1218	Chalapati Uma Vaishnavi				336000
94	18501A1219	Challa Rama Siri Vennela Amrutha Kalyani				336000
95	18501A1229	Dondapati Satish				336000
96	18501A1234	Garaga Srivalli				336000
97	18501A1252	Kota Sai Jaya Lahari				336000
98	18501A1254	Kuncham Anjali				336000
99	18501A1258	Malempati Susritha				336000
100	18501A1259	Manem.Mercy Sanjana				336000
101	18501A1273	Nuthalapati Bharath Chowdary				336000
102	18501A1275	Pagala Sri Ranga Sai				336000
103	18501A1279	Pedapudi.Soma Sekhar				336000
104	18501A1281	Ponugupati Eswar Kumar				336000
105	18501A1283	Priyanka Muraharisetty				336000
106	18501A1290	Sarayu Maha Lakshmi Perla				336000
107	18501A12A7	V S S N Praneetha Potti				336000
108	18501A12A9	Vadlamudi Gopi Chand				336000
109	18501A12B3	Veeravarapu Naga Sri Durga				336000
110	18501A12B4	Velaga Lohitha				336000
111	17501A12A0	Rayineedu Navya Chowdary				336000
112	18501A1204	Yatheswar Ande	ACCENTURE-Advanced ASE	10	6.50LPA	650000
113	18501A1205	Saireshma Anumolu				650000
114	18501A1206	Navyasree Appana				650000
115	18501A1208	Dayana Chowdary Aravapalli				650000
116	18501A1250	Konakanchi Vinay				650000
117	18501A1260	Mathi Naga Devi Swapna				650000
118	18501A1268	Myneni Shivaram				650000
119	18501A1281	Ponugupati Eswar Kumar				650000
120	18501A1290	Sarayu Maha Lakshmi Perla				650000
121	18501A12B7	Vishnumolakala Poojitha Sarada Bhavani				650000
122	18501A1201	Sampath Raghavendra Adi	ACCENTURE-ASE	30	4.50LPA	450000
123	18501A1213	Reneetha Balaswamy				450000
124	18501A1214	Geethanjali Bellamkonda				450000
125	18501A1216	Bhargavi B P S S Putcha				450000
126	18501A1218	Uma Vaishnavi Chalapati				450000
127	18501A1219	R S V A Kalyani Challa				450000
128	18501A1230	Rakshitha Donepudi				450000
129	18501A1234	Sri Valli Garaga				450000
130	18501A1236	Rajeswari Gatram				450000
131	18501A1238	Vijayalakshmi Gokanakonda				450000
132	18501A1241	Karthik Inukollu				450000

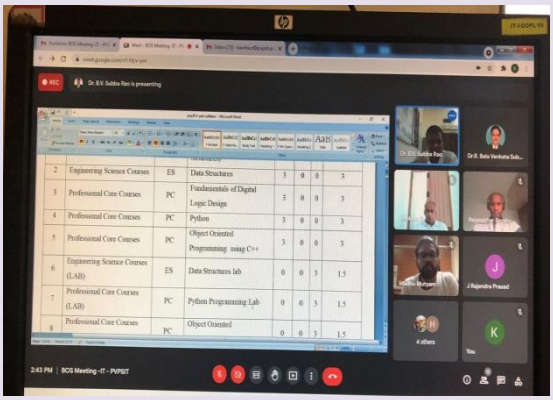
133	18501A1245	Lakshmi Priyanka Kakumanu				450000
134	18501A1246	Mohankarthik Kalluri				450000
135	18501A1247	Naga Sai Reshma Chowdary Kodali				450000
136	18501A1249	Raji Ratna Deekshita Kollipara				450000
137	18501A1251	Poojitha Koppuravuri				450000
138	18501A1257	Sirisha Mahamkali				450000
139	18501A1258	Malempati Susritha				450000
140	18501A1259	Manem Mercy Sanjana				450000
141	18501A1270	Divya Sree Nannapaneni				450000
142	18501A1271	V R Narasimha Phaneendra Kowshik Narayanam				450000
143	18501A1278	Lakshmi Aashika Patchipulusu				450000
144	18501A1283	Priyanka Muraharisetty				450000
145	18501A1289	Sangadi Udaya Gowri				450000
146	18501A1294	Irfan Shaik				450000
147	18501A12B1	Varre Sirisha				450000
148	18501A12B9	Yalamarthi Neeraj Sai				450000
149	18501A12C0	Yerradla Madhuri				450000
150	19505A1209	Siva Rama Krishna Mekala				450000
151	19505A1212	Venna Pujitha				450000
152	17501A12A0	Rayineedu Navya Chowdary	WIPRO	44	3.50LPA	350000
153	18501A1204	Ande Yatheswar				350000
154	18501A1207	Aradhyula Akshitha				350000
155	18501A1210	Arshi Hafeezunnisa Begum				350000
156	18501A1212	Atluri Vamsi Sayee				350000
157	18501A1213	Balaswamy Reneetha				350000
158	18501A1216	Bhargavi Bpss Putcha				350000
159	18501A1218	Chalapati Uma Vaishnavi				350000
160	18501A1219	Rama Siri Vennela Amrutha Kalyani Challa				350000
161	18501A1221	Bhargava Sai Cherukuri				350000
162	18501A1222	Nagendra Babu Chintanaboyina				350000
163	18501A1225	Vivek Danthamsetty				350000
164	18501A1226	Bhavani Darsi				350000
165	18501A1230	Rakshitha Donepudi				350000
166	18501A1235	Hema Garlapati				350000
167	18501A1238	Vijayalakshmi Gokanakonda				350000
168	18501A1245	Kakumanu Lakshmi Priyanka				350000
169	18501A1246	Kalluri Mohankarthik				350000
170	18501A1248	Kolli Lakshmi Suryamukhi				350000
171	18501A1249	Deekshita Kollipara				350000
172	18501A1251	Poojitha Koppuravuri				350000
173	18501A1253	Sai Sasank Kothuru				350000

174	18501A1256	Macherla Madhurima				350000
175	18501A1257	Sirisha Mahamkali				350000
176	18501A1258	Susritha Malempati				350000
177	18501A1259	Manem Mercy Sanjana				350000
178	18501A1261	Pujitha Mendru				350000
179	18501A1264	Mudigonda Supraja				350000
180	18501A1269	Naga Bipin Kumar Kukkhapalli				350000
181	18501A1270	Nannapaneni Divya Sree				350000
182	18501A1273	Nuthalapati Bharath Chowdary				350000
183	18501A1279	Soma Sekhar Pedapudi				350000
184	18501A1280	Pinjala Jyothika				350000
185	18501A1289	Sangadi Udaya Gowri				350000
186	18501A1290	Sarayu Maha Lakshmi Perla				350000
187	18501A1291	Sarnala Lavanya				350000
188	18501A1296	Shivani Challagulla				350000
189	18501A1299	Mounika Sunkara				350000
190	18501A12A7	V S S N Praneetha Potti				350000
191	18501A12B0	Vanama Harshitha				350000
192	18501A12B1	Varre Sirisha				350000
193	18501A12B4	Velaga Lohitha				350000
194	18501A12C0	Yerradla Madhuri				350000
195	19505A1211	Ujvalasai Seelam				350000
196	18501A1278	Patchipulusu Lakshmi Aashika	HITACHI	4	6.5LPA	650000
197	18501A1258	Malempati Susritha				650000
198	18501A1208	Aravapalli Dayana Chowdary				650000
199	18501A1259	Manem.Mercy Sanjana				650000
200	18501A1204	Ande Yatheswar	TCS DIGITAL	3	7LPA	700000
201	18501A1245	Kakumanu Lakshmi Priyanka			7LPA	700000
202	18501A1246	Kalluri Mohankarthik			7LPA	700000
203	18501A1209	Arimilli Sai Sunisha	ACCENTURE-ASE	5	4.50LPA	450000
204	18501A1212	Atluri Vamsi Sayee				450000
205	18501A1254	Kuncham Anjali				450000
206	18501A1275	Pagala Sri Ranga Sai				450000
207	18501A12B0	Harshitha Vanama				450000
208	18501A1244	Kakarla Keerthana	WIPRO	1	3.50LPA	350000
209	18501A1210	Arshi Hafeezunnisa Begum	IBM	2	4.50LPA	
210	18501A1261	Mendru Pujitha				450000
211	18501A1211	A.Phani Deepak	WIPRO	1	3.50LPA	350000
212	18501A1290	Sarayu Maha Lakshmi Perla	EPAM	1	6LPA	600000
213	18501A1205	Saireshma Anumolu	CAPGEMNI SENIOR ANALYST	4	7.5LPA	750000
214	18501A1278	Lakshmi Aashika Patchipulusu				750000

215	18501A1281	Ponugupati Eswar Kumar				750000
216	18501A12B0	Harshitha Vanama				750000
217	18501A1237	Gogam Rohith	ZENSAR	1	4LPA	400000
218	17501A12A0	Rayineedu Navya Chowdary	WIPRO	1	3.50LPA	350000
219	17501A12A0	Rayineedu Navya Chowdary	IBM	1	4.5LPA	450000
220	18501A1215	Bhagavathula Sri Venkata Sai Srikala	ZENSAR	2	4LPA	
221	18501A12B8	Vunnam Sowmya				400000

OTHERS

i. The results of IV B.Tech II Semester (2021 passed out) are announced and achieved 100 % pass percentage.



ii. Board of Studies meeting was conducted on 04/09/2021 at 2.30 pm in online mode. External BOS members Dr. Madhu Muthyam, Professor, Dept. of CSE, IIT, Madras, Dr. R. B. V. Subramanyam, Professor, HOD, Dept. of CSE, NIT Warangal, Mr. G. V. Rajesh, Sr. Architect, Optum Global Solutions, Hyd, Mr. A. Raja Sekhara Reddy, Technical Product Manager, ITC Infotech India Ltd, Bengaluru and Mr. P. Mahesh Kumar, MD, Element School of Visual Arts, Vijayawada and internal BOS members attended the meeting to review and approve the syllabus of PVP20 course structure and II year courses.

iii. Department of Information Technology conducted Parent's Meet on 30th December, 2021. Along with suggestions and support on Academic credentials of students, department Vision, Mission, PEO's and PSO's are disseminated to parents

iv.

Blockchain Technology

Blockchain, sometimes referred to as Distributed Ledger Technology (DLT), makes the history of any digital asset unalterable and transparent through the use of decentralization and cryptographic hashing.

A simple analogy for understanding blockchain technology is a Google Doc. When we create a document and share it with a group of people, the document is distributed instead of copied or transferred. This creates a decentralized distribution chain that gives everyone access to the document at the same time. No one is locked out awaiting changes from another party, while all modifications to the doc are being recorded in real-time, making changes completely transparent.

Blockchain consists of three important concepts: blocks, nodes and miners.

Blocks

Every chain consists of multiple blocks and each block has three basic elements: 1)The data in the block, 2)A 32-bit whole number called a nonce. The nonce is randomly generated when a block is created, which then generates a block header hash and 3)the hash is a 256-bit number wedded to the nonce. It must start with a huge number of zeroes (i.e., be extremely small).

When the first block of a chain is created, a nonce generates the cryptographic hash. The data in the block is considered signed and forever tied to the nonce and hash unless it is mined.

Miners

Miners create new blocks on the chain through a process called mining. Miners use special software to solve the incredibly complex math problem of finding a nonce that generates an accepted hash.

Because the nonce is only 32 bits and the hash is 256, there are roughly four billion possible nonce-hash combinations that must be mined before the right one is found. When that happens miners are said to have found the "golden nonce" and their block is added to the chain. When a block is successfully mined, the change is accepted by all of the nodes on the network and the miner is rewarded financially.

Nodes

One of the most important concepts in blockchain technology is decentralization. Nodes can be any kind of electronic device that maintains copies of the blockchain and keeps the network functioning. Every node has its own copy of the blockchain and the network must algorithmically approve any newly mined block for the chain to be updated, trusted and verified. Since blockchains are transparent, every action in the ledger can be easily checked and viewed. Each participant is given a unique alphanumeric identification number that shows their transactions.

Combining public information with a system of checks-and-balances helps the blockchain maintain integrity and creates trust among users. Essentially, blockchains can be thought of as the scalability of trust via technology.

Pros and Cons of Blockchain

Pros

- Improved accuracy by removing human involvement in verification
- Cost reductions by eliminating third-party verification
- Decentralization makes it harder to tamper with
- Transactions are secure, private, and efficient
- Transparent technology
- Provides a banking alternative and a way to secure personal information for citizens of countries with unstable or underdeveloped governments

Cons

- Significant technology cost associated with mining bitcoin
- Low transactions per second
- History of use in illicit activities, such as on the dark web
- Regulation varies by jurisdiction and remains uncertain
- Data storage limitations

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