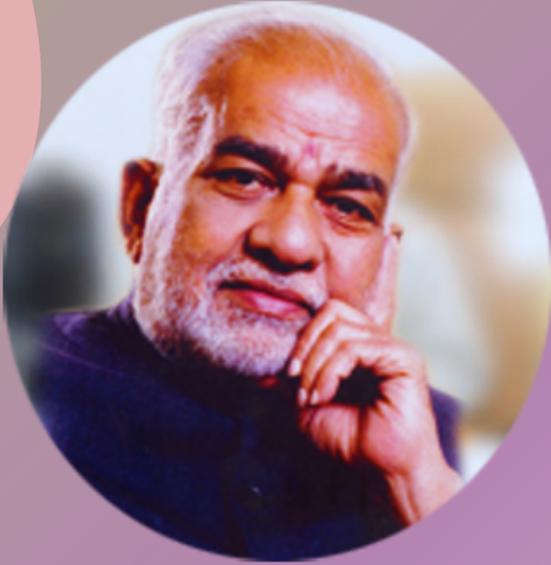


Vishnu Institute of Technology (Autonomous)



**Padma Bhushan
Dr. B. V. Raju**

Vishnu Institute of Technology, the scion of Shri Vishnu Educational Society was established in 2008 and is currently the eleventh educational institution to disseminate education under the aegis of this society. Nascent that it is, it combines in its matrix the lofty idealism of its Founder Chairman the Late Padma Bhushan.

Dr. B. V. Raju a distinguished industrialist, philanthropist and an element educationalist; the experience and vigour provided by the Chairman Sri K. V. Vishnu Raju , a man of holistic vision and his team comprising dexterous administrators, reputed academicians and brilliant line students. They constantly strive to make the institution join the ranks of prestigious technical institutions.

Campus

The campus, sprawling over 100 acres, is located in the verdant atmosphere of Vishnupur, Bhimavaram. It is in the vicinity of the town and is well connected by rail and road. VISHNU provides a home away from home to students who opt for a residential mode of education. The hostels are amidst the serene and picturesque green ambience congenial to pursue education.

Hands on Experience

To make the instruction in VISHNU more practical-oriented, special focus is on hands on experience. The Assistive Technologies Lab works in collaboration with the University of Massachusetts, USA to help students combine technology with a humane approach.

Gadgets for the physically challenged are designed and developed here by students under the guidance of eminent professors both from the Institute and abroad. VISHNU aims at empowering students with technical skills and a “can-do” entrepreneurial spirit. The IBM Software Centre of Excellence in the campus provides students with World-Class education there by increasing the skill set of each student and faculty for a great career.

HELM OF AFFAIRS

Academics are a continuing process of exploration, growth and sustenance. Today information explosion has brought about many changes. Every day brings in new demands. One has to constantly upgrade to cope with the fast emerging trends. Hence it has become imperative to all the stakeholders in education to strengthen themselves with the necessary knowledge, skills and attitude to keep themselves abreast of the rapid changes. The stimulus has been given it is time for your response.



Sri K. V. Vishnu Raju
Chairman, SVES



Sri Ravichandran Rajagopal
Vice Chairman, SVES

I come with deep insights into quality education in the areas of future skills required to be embedded in the courses offered by our autonomous colleges across Sri Vishnu institutions, and industry relevant knowledge to drive disruptions in higher education. I'm in close coordination with the Vishnu Educational Development and Innovation Centre (VEDIC) at Hyderabad, a campus dedicated to innovations in teaching pedagogy, learning styles and continuous assessment methods for active learning of students.

The way I want to inspire as a leader is to keep the faculty focused on the objective of the business of education itself and to keep my students engaged in a meaningful way and not only through the regular academic rigor of running a syllabus but also to identify their inner talent. Therefore it is as much an important attribute that we need to bring into our students in our college and create career track paths through interactions with them. My job is to bring that experience by giving them the right alignment tools to accomplish their goals.



Sri K. Aditya Vissam
Secretary, SVES

Along with reaching the pinnacle of academic excellence, we at Vishnu Institute of Technology aim for our students to fill their lives with positivity, hope, and happiness. We motivate them to acquire values and skills that they can rely upon in leading their lives purposefully as individuals and global citizens. In turn, we promise to provide an enabling environment and careful nurturing and honing of their talents through academic and co-curricular exposure. I applaud the efforts of our faculty for their hardwork and also commitment of our parents for having invested their energy and time in helping our students realize their dreams. I wish the Vishnu Institute of Technology to have great success in all its efforts.



Dr. D. Suryanarayana
Director & Principal



Prof. K. Srinivas
Vice Principal

Our priority is to provide every one with formal qualification for a rewarding career. In Vishnu, we aim for every student to settle in a suitable career path of choice. Together with the entire supportive community of vishnu's dedicated faculty and staff, we will do our best to provide you with a caring environment that will enable you to take the right steps towards a brighter future and career success, as well as outstanding student experiences. We pride ourselves in timely completion by students. I therefore wish to urge you to work hard from the very beginning and remain steadfast.

With immense pleasure, I with my faculty team play a vital role in leading the ECE Department of Vishnu Institute of Technology towards development with growing pace of technology. Department magazine EnCynosurE is one such part of initiative, which empowers our students towards overall development of one's self, department and the organization. Through this platform I would like to congratulate the VIT-ECE for continuing the bimonthly department magazine EnCynosurE. I'm sure this technical culture will be a platform to both student and faculty fraternity to exhibit the hidden talents. Finally, my best wishes to the editorial board members and huge applause to the contributors for taking the responsibility and making this happen.



Dr. N. Padmavathy
HOD - ECE

VISION OF THE COLLEGE

- *To empower the students through Academic excellence and Ethics so as to bring about social transformation and prosperity.*

.....

MISSION OF THE COLLEGE

- *To expand the frontiers of knowledge through quality education.*
- *To provide value added Research and development.*
- *To embody a spirit of excellence in Teaching, Creativity, Entrepreneurship and Outreach.*
- *To provide a platform for synergy of Academy, Industry and Community.*
- *To inculcate high standards of Ethical and Professional behaviour.*

.....

VISION OF THE DEPARTMENT

- *In pursuit of world class excellence in the field of Electronics and Communication Engineering by empowering quality education and research.*

.....

MISSION OF THE DEPARTMENT

- *To empower the students with knowledge and competencies in the frontier fields conforming to international standards.*
- *To enable the students to develop innovative solutions in collaboration with industries and research institutes to meet the local and global needs through project based learning.*
- *To mould the students professionally with a consciousness of moral values and professional ethical code.*

ABOUT THE INSTITUTION

Vishnu Institute of Technology, was established in 2008 by Sri Vishnu Educational Society (SVES), a leading educational trust to promote quality education, under the aegis of eminent philanthropist Padma Bhushan Dr. B.V.Raju (Late). The institute is approved by AICTE and is permanently affiliated to JNTUK, Kakinada. It has got Autonomous status in the academic year 2019-20 and is accredited by NBA and NAAC 'A+' with 3.51 CGPA. We offer 9 UG Courses, 4 PG Programs and we also offer research degree programs in ECE and Mechanical Engineering.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

To impart value based technical education and train students to turn out fullfledged engineers in the field of Electronics & Communication Engineering with an overall background suitable for making a successful career either in Industry/Research or higher education i.e, from AY 2008-09 with an intake of 60 students. Presently, the intake of the ECE Department is 180 students. The department has faculty strength of 44 well qualified, experienced and dedicated Post graduates with seven Doctorates and some of them are pursuing Ph.D in different streams and 6 supporting staff.

The department encourages students into postgraduate studies and prepares them for leadership roles in research and development. ECE Department is recognised as Research Centre by JNTU Kakinada in AY 2019-20. Along with UG, one M.Tech course in Digital Electronics and Communication Systems from AY 2014-15 with an intake of 18 students is also offered.

The ECE department has good infrastructure with 8 different labs namely Microwave Engineering lab, Microprocessor Lab, Digital ICs Lab, Communications Lab, Computer Lab, EDC Lab, LIC Lab, DSP & VLSI Lab. All the labs are fully equipped to provide the present day advanced technology. ECE department has three Centre of excellences, Assistive Technology Lab (ATL), National Instruments lab (NI) and Drone Centre of Excellence (DCE). The Department has student's chapters like IETE Student's Forum and ISTE Student's chapter.

RELIABILITY STUDIES FOR ENGINEERING APPLICATIONS – AICTE – ATAL FDP

Dates : 13-02-2023 to 24-02-2023

Application Number: 1650819944

PI : Dr. Vivek Srivastava, NIT-Delhi

Co-PI: Dr. N. Padmavathy, VIT-Bhimavaram

The FDP on RELIABILITY STUDIES FOR ENGINEERING APPLICATIONS was organized in collaboration with NIT Delhi at NIT Delhi. A total of 39 participants from (22 from academia, 04 from industry and 13 students (PH and Doctoral studies)) diversified backgrounds participated in the FDP. This FDP focused on ensuring that systems, components, and processes perform their intended function over a specified period. Here are typical learning outcomes and objectives for this course. The list is as follows

Understanding Reliability Concepts; Failure Modes and Effects Analysis (FMEA); Reliability Prediction and Modeling; Reliability Testing and Life Data Analysis; Design for Reliability (DFR) Principles; Reliability in Maintenance Planning; Use of Reliability Software Tool; Application of Reliability in Engineering Disciplines; Skills Developed; Problem-Solving and Decision-Making; Statistical Analysis and Interpretation; Team Collaboration.





WORLD IPR DAY

THEME

WOMEN AND IP: ACCELERATING INNOVATION AND CREATIVITY

SPEAKERS



Dr. N. Padmavathy
Dean R&D, VITB



Dr. Doondi Kumar J
IPR Coordinator, VITB

APRIL 26th - 2:30 p.m. to 3:30 p.m

Coordinator:
Mrs. M. Un

The Department of Electronics and Communication Engineering at Vishnu Institute of Technology proudly celebrated World Intellectual Property Rights (IPR) Day on 26th April 2023 with great enthusiasm and purpose. Embracing the theme “Accelerate Innovation and Creativity...”, the event aimed to ignite awareness and inspire young minds about the importance of protecting intellectual assets in today’s rapidly evolving technological landscape. The session was graced by Dr. N. Padmavathy (HOD-ECE and Dean R&D) and Dr. J. Doondi Kumar, IPR Coordinator, who served as the keynote speakers. Their insightful talks shed light on the crucial role of IPR in fostering innovation, safeguarding original ideas, and encouraging a culture of creative excellence among students and researchers.



Kovvada, Andhra Pradesh, India
vishnupur, Kovvada Rd, Kovvada, Andhra Pradesh, India
Lat 16.565927°
Long 81.52253°
04/23 03:45 PM GMT +05:30



Kovvada, Andhra Pradesh, India
vishnupur, Kovvada Rd, Kovvada, Andhra Pradesh, India
Lat 16.565938°
Long 81.522508°



PROJECT EXPO

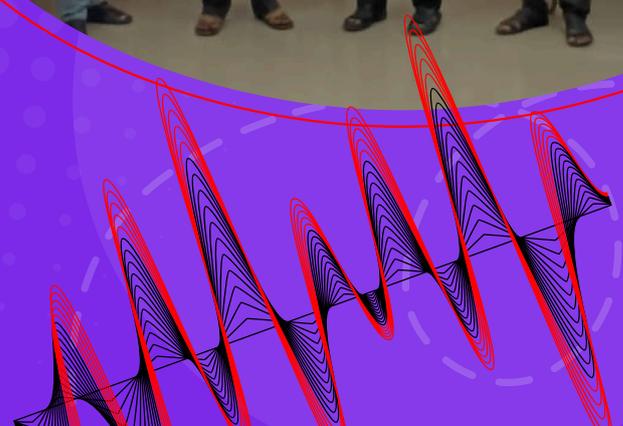
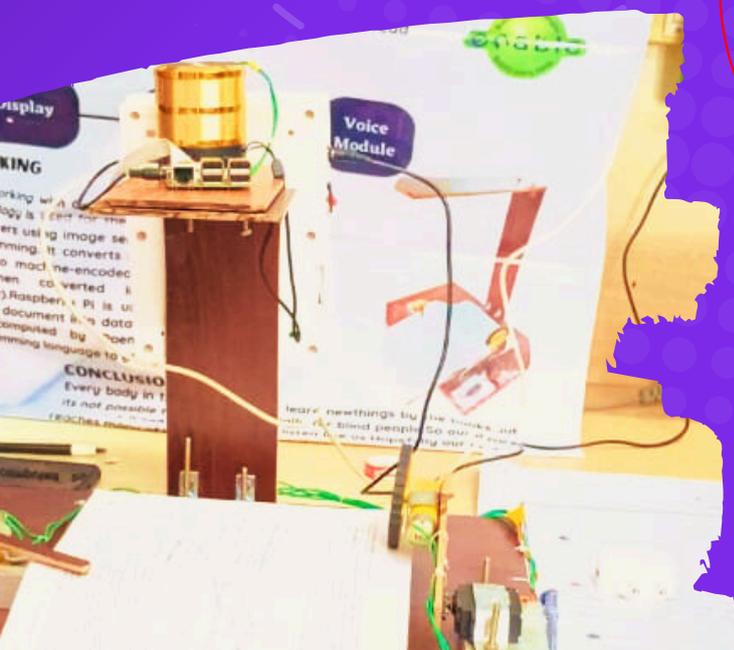


The Electronics and Communication Engineering (ECE) Department organized a Project Expo on April 28, 2023, showcasing the innovative work of its fourth-year students. The exhibition featured approximately 45 projects across various cutting-edge fields.

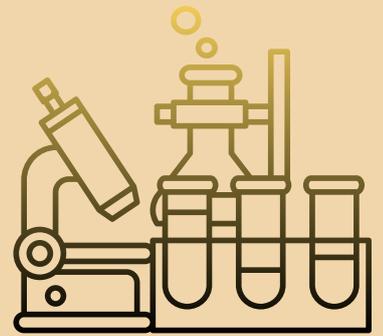
This event provided students with a platform to demonstrate their technical skills and creativity, fostering a deeper understanding of contemporary technological advancements. It also offered an opportunity for students to engage with industry professionals and peers, facilitating knowledge exchange and potential collaborations.

Faculty Co-ordinators:

- **Dr. G. Prasanna Kumar**
Asst. Professor
- **Dr. A. Prabhakara Rao**
Asst. Professor



Into the Nano World: A Journey to CeNSE, IISc Bangalore



The Centre for Nano Science and Engineering (CeNSE) was established in 2010 to pursue interdisciplinary research across several disciplines with a focus on nanoscale systems. Current research topics include, but are not limited to nanoelectronics, MEMS/NEMS, microfluidics, nanomaterials and devices, photonics, nano-biotechnology, solar cells, neuro-biology, quantum and neuromorphic computing, sensors, devices, thin-films, and optoelectronics.

Dr. B. V. V Satyanarayana, Dr. G. Prasanna Kumar, Mr. S. V. S. N. Murthy and Mr. B. Prudhvi Raj have visited CeNSE Lab at IISc., Bangalore along with 4 ECE students and got Eyes-on Experience on Electrical, Mechanical and Optical Characterization, Lithography, Diffusion, and Packaging in Nanofabrication Lab.



R&D WORKS

I Acted as Resource Person:

- **Dr. N. Padmavathy** Served as Advisory Committee Member and Technical Program Chair in 2023 IEEE International Conference on Contemporary Computing and Communications (InC4 2023) held on 24.01.2023.
- **Dr. N. Padmavathy** Served as Coordinator and Resource person for 2-week AICTE ATAL FDP on Reliability Studies for Engineering Applications (Hybrid Mode) held from 13.02.2023 to 24.02.2023.
- **Dr. N. Padmavathy** Served as a Reviewer for the conferences InC4 2023, ICACDS 2023, ICDATE 2023 IWEG2023, IEIT 2023, PEIS 2023 and ICEEST 2023.
- **Dr. A. Prabhakara Rao** Reviewed a Research Article titled "Fine Tuned 12-Layer Convolutional Neural Network Model for Gender Classification using Fingerprint Images" submitted to Scientific Programming (SCI Indexed Journal).

II. Faculty Publications in Journals:

- Jadhav, Dattatraya Arun, Talal Aljeraisi, C. Ganesh, S. Pradeep Kumar, **K. Ramesh Chandra**, and Abhijit Janardan Patankar. "Binary-CNN Based Classifications of Effective Diabetic Eye". Journal of Pharmaceutical Negative Results (2023): 6860-6864. (Scopus/WoS).
- Singh, Lokendra, Yesudasu Vasimalla, Roshan Kumar, and **Prakash Pareek**. "Highly sensitive surface plasmon resonance sensor for refractive index detection of Helicobacter Pylori". Optik 274 (2023): 170516. (SCI/Scopus).
- Morampudi, Mahesh Kumar, Mulagala Sandhya, and **Mulagala Dileep**. "Privacy-preserving bimodal authentication system using Fan-Vercauteren scheme." Optik 274 (2023): 170515. (SCI/Scopus).
- **Naveen Kumar Maurya**, Sadhana Kumari, **Prakash Pareek**, and Lokendra Singh. "Graphene-based frequency agile isolation enhancement mechanism for MIMO antenna in terahertz regime." Nano Communication Networks 35 (2023): 100436. (SCIE/Scopus).
- GNR Prasad, and **R. Bharath Kumar**. "IOT-Based Computational Intelligence Tool for Paternity Testing and Parental Comparison Using Correlation-Based Clustering and SVM Classification." Journal of Theoretical and Applied Information Technology 101, no. 7 (2023). (Scopus).

Faculty Publications in Conferences:

- **Prudhvi Raj Budumuru, Abdul Rahaman Shaik, B. V. V. Satyanarayana, S. P. Manikanta, K. Soni Sharmila and D. Durga Prasad.** “International conference of Electronics, Communication and Aerospace Technology (ICECA)” IEEE Xplore Digital Library . Title: “Normalized Algorithm with Image Processing Methods for Estimation of Crack Length” DOI: [10.1109/ICECA55336.2022.10009306](https://doi.org/10.1109/ICECA55336.2022.10009306).
- **G. P. Kumar, G. S. Priya, M. Dileep, B. E. Raju, A. R. Shaik and K. V. S. H. G. Sarman.** “International conference of Electronics, Communication and Aerospace Technology (ICECA)” IEEE Xplore Digital Library. Title: “Image Deconvolution using Deep Learning-based Adam Optimizer”. DOI: [10.1109/ICECA55336.2022.10009073](https://doi.org/10.1109/ICECA55336.2022.10009073)
- **A. K. C. Varma, Ch. V. V. S. Srinivas, O. Ranga Rao and Ch. Venkateswara Rao.** “International conference of Electronics, Communication and Aerospace Technology (ICECA)” IEEE Xplore Digital Library. Title: “A Wearable Alert System for Underground Mining Workers based on Arduino with GSM”. DOI: [10.1109/ICECA55336.2022.10009196](https://doi.org/10.1109/ICECA55336.2022.10009196).
- **C. M. Krishna, N. V. K. Maha Lakshmi, N. Suguna, J. P. Kumar, E. J. Satapathy and D. Durga Prasad.** “2022 International Conference on Advances in Computing, Communication and Materials (ICACCM)” IEEE Xplore Digital Library. Title: “Design of Wheel shaped Millimetre Wave MIMO Antenna for N257 band (26.5–29.5GHz) Applications”. DOI: [10.1109/ICACCM56405.2022.10009320](https://doi.org/10.1109/ICACCM56405.2022.10009320) .
- **Prudhvi Raj Budumuru, A. K. C. Varma, B. V. V. Satyanarayana, Y. Srinivas, B. Elisha Raju and G. Prasanna Kumar.** “2022 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N)” IEEE Xplore Digital Library. Title: “Preprocessing Analysis of medical Images: A Survey”. DOI: [10.1109/ICAC3N56670.2022.10074100](https://doi.org/10.1109/ICAC3N56670.2022.10074100)
- **Ch. Venkateswara Rao, Ravi Sankar Miriyala, V. Praveena, V. Bavya Sri, A.Bhaavan Sri Sailesh and K. Ramalakshmi.** “2022 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N)” IEEE Xplore Digital Library . Title: “Performance Evaluation of OFDM System: With and Without Reed-Solomon Codes”. DOI: [10.1109/ICAC3N56670.2022.10074060](https://doi.org/10.1109/ICAC3N56670.2022.10074060).

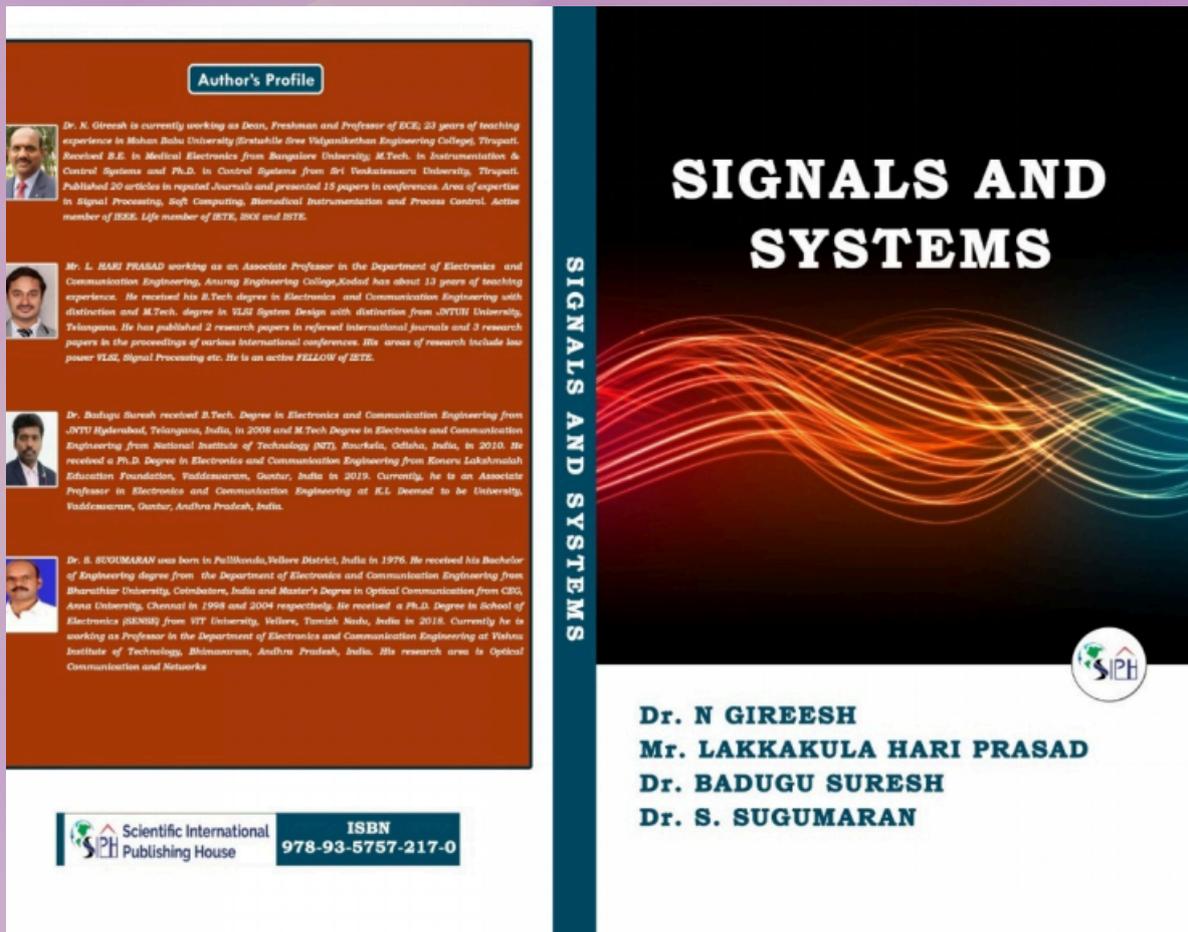
- G. R. L. V. N. Srinivasa Raju, Thota Nirmal Nikitha, G. Challa Ram, Udari Gnaneshwara Chary, J. NagaVishnu Vardhan and **J. Doondi Kumar**. “2023 IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS)” IEEE Xplore Digital Library. Title: “Area Optimised Efficient Multiplication Using Modified Round Square Approximation”. DOI: [10.1109/ICICACS57338.2023.10099920](https://doi.org/10.1109/ICICACS57338.2023.10099920).
- P. Srinivas, Ravi Sankar Miriyala, Neelima Matsa, M.S. N. V. Lakshmi Kantham A, **Y. Srinivas** and **Ch. Venkateswara Rao**. “2023 7th International Conference on Computing Methodologies and Communication (ICCMC)” IEEE Xplore Digital Library. Title: “Capacity Evaluation of MIMO System: with and without Successive Interference Cancellation”. DOI: [10.1109/ICCMC56507.2023.10084170](https://doi.org/10.1109/ICCMC56507.2023.10084170).
- **Prakash Pareek, Naveen Kumar Maurya**, L. Singh, N. Gupta and M. J. C. S. Reis. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham . Title: “Study of Smart City Compatible Monolithic Quantum Well Photodetector” . DOI: [10.1007/978-3-031-28975-018](https://doi.org/10.1007/978-3-031-28975-018).
- A. Sarkar, M. Kundu, **Prakash Pareek**, N. Gupta and M. J. C. S. Reis. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “IoT Enabled Driver Compatible Cost-Effective System for Drowsiness Detection with Optimized Response Time”. DOI: [10.1007/978-3-031-28975-013](https://doi.org/10.1007/978-3-031-28975-013).
- **N. Padmavathy**, K. S. Jhansi, K. Ormila and B. Valarmathi. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “Information Theoretic Heuristics to Find the Minimal SOP Expression considering Don’t Care Using Binary Decision Diagrams”. DOI: [10.1007/978-3-031-28975-08](https://doi.org/10.1007/978-3-031-28975-08).
- B. Valarmathi, N. Srinivasa Gupta, K. Santhi, T. Chellatamilan, A. Kavitha, Armaan Raahil and **N. Padmavathy**. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “Price Estimation of Used Cars Using Machine Learning Algorithms”. DOI: [10.1007/978-3-031-28975-03](https://doi.org/10.1007/978-3-031-28975-03).
- **Ch. Venkateswara Rao**, M. Ravi Sankar, P. S. R. Charan, V. Bavya Sri, A. Bhaavan Sri Sailesh, **M. Sri Uma Suseela** and **N. Padmavathy**. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “Analysis of Acoustic Channel Model Characteristics in Deep-Sea Water”. DOI: [10.1007/978-3-031-28975-0_20](https://doi.org/10.1007/978-3-031-28975-0_20).

- **B. V. V. Satyanarayana, G. Parasanna Kumar, A. K. C. Varma, M. Dileep, Y. Srinivas and Prudhvi Raj Budumuru**. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “Alzheimer’s Disease Detection Using Ensemble of Classifiers”. DOI: [10.1007/978-3-031-28975-0_5](https://doi.org/10.1007/978-3-031-28975-0_5).
- A. Prabhakara Rao, J. Bhaskar and **G. Prasanna Kumar**. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “Machine Learning Framework for Identification of Abnormal EEG Signal”. DOI: [10.1007/978-3-031-28975-0_4](https://doi.org/10.1007/978-3-031-28975-0_4).
- K. Soni Sharmila, A. V. S. Asha, P. Archana and **K. Ramesh Chandra** “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “Single Image Dehazing Through Feed Forward Artificial Neural Network”. DOI: [10.1007/978-3-031-28975-0_9](https://doi.org/10.1007/978-3-031-28975-0_9).
- M. Ravi Sankar, P. Srinivas, **V. Praveena**, D. Bhavani, **M. Sri Uma Suseela, Y. Srinivas** and **Ch. Venkateswara Rao**. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “ Performance Evaluation of Multiwavelet Transform for Single Image Dehazing”. DOI: [10.1007/978-3-031-28975-0_10](https://doi.org/10.1007/978-3-031-28975-0_10).
- P. Ramani, V. Subbiah Bharathi, and **S. Sugumaran**. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “ Non-Destructive Analysis of Crack Using Image Processing, Ultrasonic and IRT: A Critical Review and Analysis”. DOI: [10.1007/978-3-031-28975-012](https://doi.org/10.1007/978-3-031-28975-012).
- **K. V. S. H. Gayatri Sarman** and **Srilakshmi Gubbala** . “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham . Title: “Voice Based Objects Detection for Visually Challenged Using Active RFID Technology”. DOI: [10.1007/978-3-031-28975-0_14](https://doi.org/10.1007/978-3-031-28975-0_14)
- A. Prabhakara Rao, **K. V. S. H. Gayatri Sarman**, G. V. Pavan Kumar and Y. Sree Deekshitha. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “ Water Quality Monitoring Using Remote Control Boat”. DOI: [10.1007/978-3-031-28975-0_17](https://doi.org/10.1007/978-3-031-28975-0_17).
- **Rangarao Orugu**, Nesasudha Moses and **Doondi Kumar Janapala**. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “Frequency Reconfigurable Antenna for 5G Applications at n77 and n78 Bands” DOI: [10.1007/978-3-031-28975-0_19](https://doi.org/10.1007/978-3-031-28975-0_19).
- **Ch .V. V. S. Srinivas** and Somashekar Borugadda. “ Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “A Comprehensive Review on Channel Estimation Methods for Millimeter Wave MIMO Systems”. DOI: [10.1007/978-3-031-28975-021](https://doi.org/10.1007/978-3-031-28975-021).

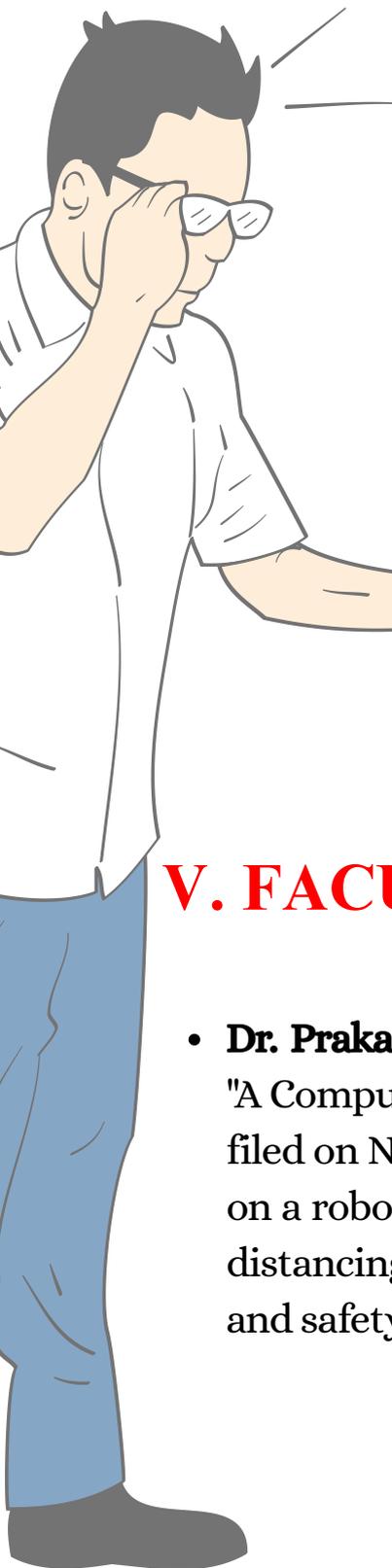
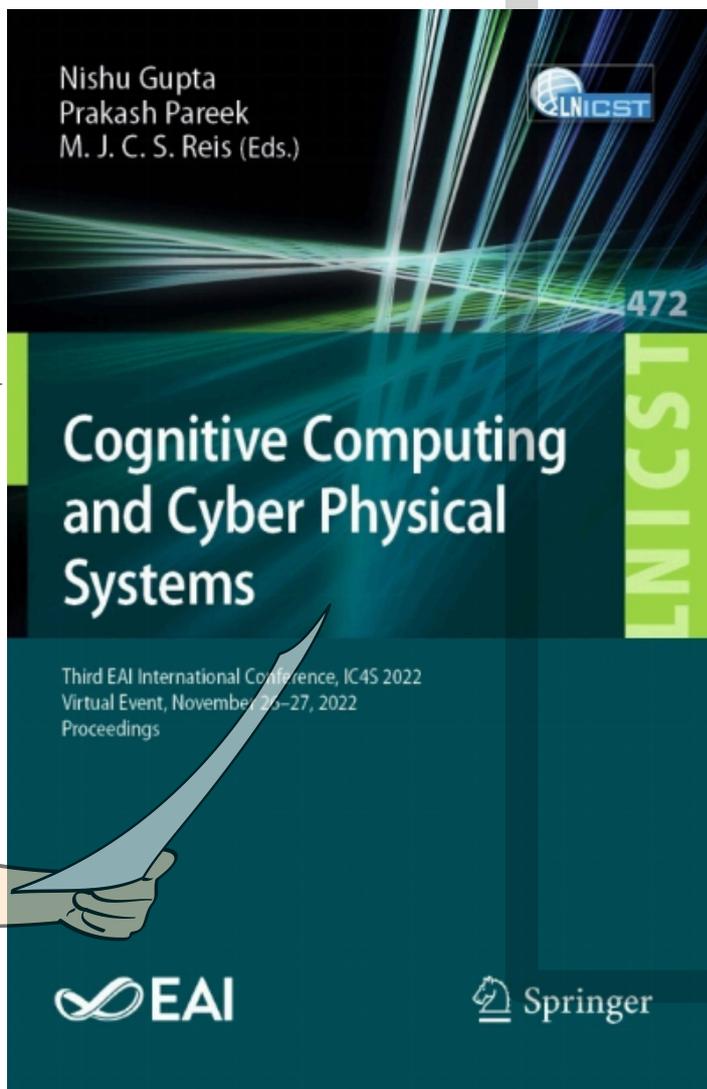
- **Ch. Venkateswara Rao**, M. Ravi Sankar, T. Nalini Prasad, R. Devi, **M. S. Uma Suseela**, **V. Praveena** and **Y. Srinivas**. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “Comparison of Acoustic Channel Characteristics in Shallow and Deep-Sea Water” . DOI : [10.1007/978-3-031-28975-022](https://doi.org/10.1007/978-3-031-28975-022).
- I. Sravathi, A. Sudha Madhavi, G. Venkata Pavan, B. Karthik Sai Kiran, A. Bhaavan Sri Sailesh, Ch. V. V. Santhosh Kumar and **Ch. Venkateswara Rao**. “Cognitive Computing and Cyber Physical Systems (IC4S)” Springer Cham. Title: “Performance Evaluation of Fast DCP Algorithm for Single Image Dehazing” . DOI: [10.1007/978-3-031-28975-011](https://doi.org/10.1007/978-3-031-28975-011).

IV. Faculty Text Book/Book Series Publications:

- **Dr. S. Sugumaran**, Professor has authored a Textbook titled “Signals and Systems” in collaboration with Scientific International Publishing House (SIPH) with ISBN: 978-93-5757-217-0.



- **Dr. Prakash Pareek**, Associate Professor served as an Editor of the book titled “Cognitive Computing and Cyber Physical Systems, Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering” in collaboration with Springer with ISBN: 978-3-031-28975-0.



V. FACULTY PATENT PUBLICATIONS

- **Dr. Prakash Pareek's** design patent (Application No: 353269-001) for "A Computer Controlled Robot for Social Distancing and Monitoring" filed on November 17, 2021, and published on January 6, 2023, focuses on a robot that uses computer control to monitor and enforce social distancing in public spaces, offering an innovative solution for health and safety management.

- **Dr. Prakash Pareek's** design patent (Application No: 353269-001) for "A Computer Controlled Robot for Social Distancing and Monitoring," filed on November 17, 2021, and published on January 6, 2023, focuses on a robot that uses computer control to monitor and enforce social distancing in public spaces, offering an innovative solution for health and safety management.
- **Mr. Kothapalli Ramesh Chandra's** patent (Application No: 202331003466) for "A System with Deep Learning and Internet of Things-based Investigation and Evaluation of Algorithms for Analyzing Athletic Health Records," filed on January 17, 2023, and published on January 20, 2023, focuses on leveraging deep learning and IoT to analyze and evaluate athletic health data for performance optimization and injury prevention.
- **Dr. S. Sugumaran's** patent (Application No: 202341001680) for "Remote Aquatic Environmental Monitoring using Internet of Things," filed on January 9, 2023, and published on January 20, 2023, focuses on utilizing IoT technology for real-time monitoring of aquatic environments, enabling efficient tracking of water quality and environmental conditions.
- **Dr. N. Padmavathy and Dr. K. V. S. H. Gaytri Sarman's** patent (Application No: 202341004548) for "Electronic Voting Apparatus and Method of Operating the Same," filed on January 23, 2023, and published on February 17, 2023, focuses on a system designed to enhance the efficiency and security of electronic voting processes.
- **Dr. K.V.S.H. Gaytri Sarman, Mr. Abdul Rahaman Shaik, and Dr. N. Padmavathy's** patent (Application No: 202341004547) for "System and Method for Obstacle Detection," filed on January 23, 2023, and published on February 17, 2023, focuses on a technology for detecting obstacles, aimed at enhancing navigation and safety in various applications.
- **Dr. S. Sugumaran's** design patent (Application No: 365020-001) for "A Smart Wearable Sensor Device for Body Temperature Scanning," filed on May 28, 2022, and published on April 7, 2023, focuses on a wearable device designed to continuously monitor and scan body temperature for health monitoring.
- **Dr. S. Sugumaran's** patent (Application No: 202341019485) for "A New Healthcare Model Based on Internet of Things," filed on March 21, 2023, and published on March 31, 2023, introduces an IoT-based healthcare model aimed at improving health monitoring and management through connected devices.

- **Dr. G. Prasanna Kumar's** patent (Application No: 202341019485) for "IoT-Based Remote Access Control in Water Level Monitoring for Water Management," filed on March 23, 2023, and published on April 7, 2023, focuses on utilizing IoT technology for remote monitoring and control of water levels to enhance water management efficiency.

VI. Swayam-NPTEL Courses/FDP:

- **Dr. G. Prasanna Kumar** has completed NPTEL online course (FDP) on "Python for Data Science" offered by IIT Madras.
- **Dr. B. V. V. Satyanarayana** has completed NPTEL online course (FDP) on "Microwave Integrated Circuits" offered by IIT Kharagpur.
- **Mr. Ch.V.V.S. Srinivas** has completed NPTEL online course (FDP) on "Fundamentals of MIMO Wireless Communication" offered by IIT Kharagpur.
- **Mr. K. Ramesh Chandra** and **Mr. Yallapu Srinivas** have completed NPTEL online course (FDP) on "Medical Image Analysis" offered by IIT Kharagpur.

VII. Online Course/FDP/Workshop Attended:

- **Dr. N. Padmavathy** has attended International Workshop on "Technical Writing using LaTeX" organized by VIT Andhra Pradesh, from 30/03/2023 to 05/04/2023.
- **Dr. S. Sugumaran and Dr. K. V. S. H. Gaytri Sarman** have attended FDP on "IOT and Smart Manufacturing" organized by SVECW – AICTE IDEA Lab, from 06/01/2023 to 11/01/2023.
- **Mrs. G. Srilakshmi** has attended FDP on "Applications of Computer Vision using Deep Learning" organized by Seshadri Rao Gudlavalleru Engineering College, from 20/02/2023 to 25/02/2023.
- **Mr. K. Kiran** has successfully completed the Online course on "Sales force Programming" offered by Skill Tech, from 17/02/2023 to 17/03/2023.
- **Mr. K. Kiran** has attended FDP on "Ethical Hacking" organized by Blackbuck Engineers & KITS, from 27/02/2023 to 03/03/2023.
- **Mr. B Elisha Raju** has attended FDP on "Concept to Product" organized by Indian Institute of Technology Hyderabad (IITH) and Confederation of Indian Industry (CII) on 23/02/2023.
- **Mr. Yallapu Srinivas** has attended FDP on "Academic Writing: Ethical Issues" organized by Global Institute of Statistical Solutions, from 25/02/2023 to 27/02/2023.

PLACEMENTS

BATCH 2019-23

HIGHEST PACKAGERS

Company	Student	Hiring Package
Providence	Sushma Sri Konatala	13.5 LPA
Epam	Jilella Ramanjaneya Reddy	12 LPA
Epam	Karri Yasoda	12 LPA
Brillio	Bhaavan Sri Sailesh Annabathula	10 LPA
Brillio	Gopi Sai Teja Chitturi	10 LPA
Brillio	Yuva Teja Dodda	10 LPA
Brillio	Kolla Bindu Naga Sai Sumanjali	10 LPA
Brillio	Mahita Vankayala	10 LPA
Brillio	Pardhu Guttula	10 LPA
Brillio	Shaik Abdul Kareem	10 LPA
Brillio	Bojja Ganesh	10 LPA

Over All Placements :

No.of students

11

43

119

215

Package(LPA)

>=10

>=7

>=5

>=3



- **Total Number of Placement Offers that Students received : 390**
- **Total Number of Exclusive Placements Offers: 176**

INTERVIEW EXPERIENCES



Jilella Ramanjaneya Reddy
IV ECE-B
19PA1A0466

My interview process with Providence began with a 30-minute technical round where the interviewer focused on my understanding of core concepts. I was asked questions related to OOPS (Object-Oriented Programming), DBMS (Database Management Systems), computer networks, sorting algorithms, and other fundamental topics. Additionally, I was given a task to implement certain scenarios using a programming language of my choice. Just 10 minutes after this round, I received an email inviting me to the second round. The second round was a mix of technical and HR discussion, lasting over 30 minutes. We discussed my projects in detail, and I was asked SQL-based questions to test my database knowledge. The interviewer also inquired about my strengths, weaknesses, leadership qualities, and long-term career goals. Shortly after, I received an email for the final HR round, which lasted about 20 minutes. In this round, the HR asked about my college life, family, technical skills, and certifications. We also discussed my projects, and the HR explained the role of a Service Engineer. The round ended with a question about why I wanted to join the company. Overall, the interview process was very interactive, and I had the opportunity to share my experiences and thoughts openly.



Karri Yasoda

**IV ECE-B
19PA1A0473**

I am thrilled to share my recent interview experience. I would like to express my gratitude to the faculty and placement training department for securing placements in reputable companies such as Accenture, Tech Mahindra, and Wiley Edge, with attractive packages. Securing a job requires dedication, strong communication skills, and a polished appearance. Throughout my four years of BTech, I acquired technical skills in Python, Java, machine learning, SQL, and frontend development.

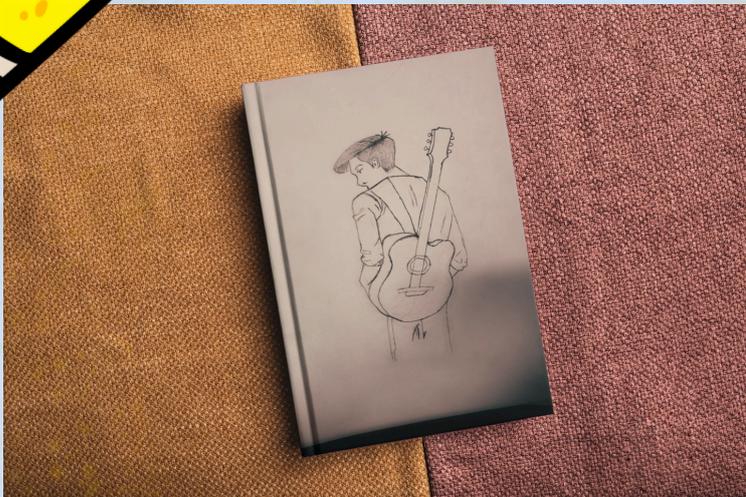
Placement exams vary from company to company, with some offering high packages like Amedus, Providence, Amazon, Barclay, and Clarivate, exceeding 8 lakhs. Securing a job with a high package in these esteemed companies is a challenging task, but with determination and preparation, it is achievable. Understanding the questions, possessing strong communication skills, and technical knowledge in Java, SQL, and Python are essential for cracking interviews.

I am grateful for the opportunity to study at Vishnu Institute of Technology, a college that provides a conducive environment for learning and personal growth.

ARTISTIC TALENTS



M. H.K. SUBBARAJU
22PA5A0412
II Year



M. U. V. S. ASRITH
22PA5A0413
II Year



CH. Borra Pavan Kumar
22PA1A0439
I Year



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20PA1A04A5



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20PA1A04D5



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20PA1A04G5



M. Karthikeya
20PA1A092



A. Pavan Teja
20pa1a0405

III & IV YEAR'S

BHIMAVARAM



**Padma Bhushan Dr. B. V. Raju
&
smt. B. Seetha Devi**

“Serve humanity in your Capacity”

