



PACE

INSTITUTE OF TECHNOLOGY & SCIENCES

AUTONOMOUS | Approved by AICTE and Govt. of A.P. Accredited by NAAC(A Grade)
Recognized under 2(f) & 12(B) of UGC, Permanently Affiliated to JNTUK
An ISO 9001:2015, ISO 14001:2015 and ISO 50001:2018 Certified Institution



PACE

Chronicle

NOVEMBER 2024



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PACE AT A GLANCE

PACE Institute of Technology and Sciences (PACE ITS) was established under Srinivasa Education Society in 2007 at Valluru village, near Ongole. It has been running successfully since the academic year 2008-09. PACE, being an NRI's project is committed to provide a world class technical education. PACE Institute of Technology and Sciences is permanently affiliated to JNTUK, Kakinada and approved by AICTE, New Delhi. The institution was accredited by "NBA" and NAAC with "A" grade. The institution has got the AUTONOMOUS status in 2018. The college is situated in a panoramic area of 14 acres with Wi-Fi enabled infrastructure, well ventilated classrooms and well equipped laboratories. As a provision for physical fitness, the college also has a sports field and indoor stadium.

This institution was started by Dr. Maddisetty Venugopal Rao, Chairman and Dr. Maddisetty Sridhar, Secretary and Correspondent, with a modest strength of 240 and now, the institute has an intake of 1000+students. The college offers B. Tech Degree in ECE, CSE, CSE (IoT and Cyber Security), CSIT, AI & ML, AI & DS, EEE, IT, Mechanical, Electronics Engineering (VLSI Design and Technology) and Civil. The college also offers courses like MBA, M. Tech and Diploma.

Vision

To impart futuristic technical education transforming the students technically superior, ethically strong, self-disciplined to serve for the nation building as a valuable resource.

Mission

- To inculcate quality education by implementing innovative teaching-learning methods and state-of-the-art facilities.
- To enrich the intellectual know-how, credibility and integrity of the students to necessitate industry.
- To transform the students as scholarly and influential leaders in engineering education, and to develop human power with creativity, advanced technology and passion for the betterment of future nation.



PACE HELPING HANDS

The PACE Helping Hands initiative culminated in a substantial Rs. 92,000 donation to support P. Anvesh, a third-year B.Tech Civil Engineering student, and his family following a recent accident. This collective outpouring of support, generated by the student body and amplified by a generous personal contribution from Dr.



Maddisetty Sridhar (Secretary and Correspondent), exemplifies the Institute's profound commitment to student well-being and its cultivation of a compassionate and supportive community. The timely intervention underscores a proactive approach to mitigating hardship, reflecting the institution's comprehensive and empathetic approach to student welfare.

COMPUTER SCIENCE ENGINEERING

STUDENT ENABLEMENT PROGRAM

The Department of Computer Science and Engineering, in partnership with Infosys Springboard, conducted a highly successful three-day Student Enablement Program on "**Applied Generative AI**" (November 6-8, 2024). Expert instructors Ms. Aishwarya Rajeev and Ms. Pruthvi Adishesha led the intensive program, providing students with a comprehensive understanding of Open AI's GPT models, encompassing foundational concepts, diverse applications, and advanced developer-focused techniques including embeddings and neural network architectures. The Department expresses its sincere appreciation to Infosys Springboard and acknowledges the meticulous organizational efforts of Dr. S. Giri Babu, Ms. K. Swarnalatha, and Ms. S. Suneetha. The program received strong support from Dr. Maddisetty Sridhar (Secretary and Correspondent), Dr. GVK Murthy (Principal), Dr. C.V. Subba Rao (Dean of Academics) and dean of students' Affairs Dr. R. Veeranjanyulu.

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A Session on
3-DAY STUDENT ENABLEMENT PROGRAM ON APPLIED GENERATIVE AI

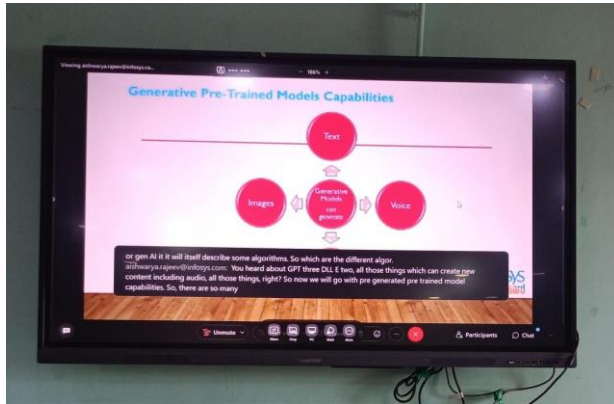
Date : 06th Nov to 08th Nov 2024
Venue : MECHANICAL Seminar Hall

BY
INFOSYS SPRINGBOARD

CONVENOR Dr. S.Giri Babu Assoc. Professor & HoD-CSE	CO-CONVENOR Mrs. K.Swarnalatha Asst. Professor-CSE(I&CSBT)	COORDINATOR Mrs. S.Suneetha Asst. Professor-CSE
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Organised By Department of **CSE**



ARTICLE PUBLICATION

Professor Dr. Rayavarapu Veeranjanyulu of the Department of Computer Science & Engineering is commended for his recent publication, "**Marine Ecosystem Monitoring: Applying Remote Sensing and AI to Track and Predict Coral Reef Health**," in the prestigious Remote Sensing in Earth Systems Sciences (Springer). This impactful research, published in a Q2-ranked journal, demonstrates the innovative application of AI and remote sensing for coral reef conservation. Dr. Veeranjanyulu's dedication to research exemplifies the high standards of the PACE academic community."

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Congratulations

RESEARCH ARTICLE PUBLISHED

Title of the paper: Marine Ecosystem Monitoring:
Applying Remote Sensing and AI to
Track and Predict Coral Reef Health

Springer

Journal Name: Remote Sensing in Earth Systems Sciences
Impact Factor: 0.9
Quartile: Q2

Dr. Rayavarapu Veeranjanyulu,
Professor, Department of Computer Science & Engineering

DEPARTMENT OF HUMANITIES AND SCIENCES

FDP PARTICIPATION

- Ms. J. Seetha and Mr. T. Ravindra Nath completed a five-day online Faculty Development Program (FDP) on **Cloud Architecture**. The FDP was jointly organized by Vardhaman Engineering College (Shamshabad, Hyderabad), AVS Engineering College (Salem, Tamil Nadu), JSS Science and Technology University (Mysore, Karnataka), and Andhra Pradesh, in collaboration with ExcelR Edtech Pvt. Ltd., from November 18 to 22, 2024.
- Dr. S. Rama Mohan, an Assistant Professor from the department of Mathematics completed a week-long online Faculty Development Program (FDP) on **the mathematical foundations of computational intelligence**. The FDP, hosted by the Department of Mathematics at MITS, Madanapalle, ran from November 18 to 22, 2024.

JOY OF PY

PACE Institute's "Joy of Py" Coding Contest concluded with over 325 B.Tech students participating. Organized by the Coders Club and Department of Training & Placements, the contest awarded a laptop to the top performer, Miss EM. Arifa Tabassum (II B.Tech CSE) by . The event's success was recognized by college leadership and attributed to Ms. K. Roopa Akkesh (Dean of T&P) and her team. Dr. Maddisetty Sridhar (Secretary and Correspondent). The event's success was lauded by Dr. GVK Murthy (Principal), Dr. C.V. Subba Rao (Dean of Academics), and Dr. R. Veeranjanyulu (Dean of Student Affairs), along with the faculty and staff. The seamless execution is attributed to Ms. K. Roopa Akkesh (Dean of Training and Placements), Mr. V. Govinda Rao, and Mr. B. Srinivasa Reddy.



A well-deserved congratulations to Arifa Tabassum, Joy of Py's top performer by Dr. Sridhar

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

A WORKSHOP

The Department of Computer Science and Information Technology hosted a workshop focused on **Career Acceleration with AI Tools and Applications**, featuring Mr. Putta Nageswara Reddy, Tech Lead at GoDB Tech Pvt. Ltd., Chennai, as the keynote

The poster is for a technical workshop. It features a central circular portrait of Mr. P. Nageswara Reddy. The text on the poster includes: 'PACE INSTITUTE OF TECHNOLOGY & SCIENCES AUTONOMOUS', 'Technical Workshop On CAREER ACCELERATION WITH AI TOOLS AND APPLICATIONS', 'Date : 09th November 2024', 'Venue : CIVIL Block, Seminar Hall', 'RESOURCE PERSON MR. P. NAGESWARA REDDY Tech Lead, GoDB Tech Pvt., Ltd., Chennai'. It also lists the convenor (Mr. N. Srinivasa Rao) and two co-ordinators (Mrs. N. Sireesha and Mrs. A. Ramyasree). Logos for NAAC, CSIT, and the Institution's Innovation Council are present. Social media handles for PaceAutonomous are listed at the bottom.

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speaker. Mr. Reddy discussed the integration of AI across various applications, websites, and mobile platforms, and the potential of future humanoid robotics. The workshop also included an address by Dr. Maddisetty Sridhar, Secretary and Correspondent of PACE, who served as a distinguished guest speaker and provided invaluable insights into the revolutionary impact of AI on the job market and future career prospects. The event concluded with the recognition of Mr. Reddy's contribution by the CSIT faculty. The workshop enjoyed participation from Dr. G.V.K. Murthy, Principal of the college; Mr. N. Srinivasa Rao, Head of Department (HOD) for CSIT; coordinators Ms. N. Sirisha and Ms. A. Ramyasree; along with a diverse contingent of faculty and students.



PACE officials honored keynote speaker Mr. Putta Nageswara Reddy.



Mr. Putta Nageswara Reddy, the keynote speaker, giving a presentation to the gathering.



A VIRTUAL GUEST LECTURE

On November 16, 2024 the department of Computer Sciences and Information Technology at PACE Institute of Technology and Sciences hosted a virtual guest lecture on **The Role of Data Science in Science and Technology, Engineering, Medicine, Education and Management**, addressing Computer Science

and Information Technology students. Dr. Nagaraju Bayadeti, Assistant Professor at NIT Nagaland, delivered a compelling address, elucidating the transformative impact of data science on data management within large corporations. He highlighted the multifaceted applications of data science across diverse sectors and projected its future influence on technological development and strategic decision-making, emphasizing its capacity to leverage historical data for predictive analytics. College Secretary and Correspondent Dr. Maddisetty Sridhar underscored the practical implications of data science proficiency, emphasizing its career-enhancing potential. Principal Dr. G.V.K. Murthy, Head of the Department Mr. N. Srinivasa Rao, coordinators Ms. Y Anusha and T. Harish, faculty, and students were also in attendance.

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Virtual Guest Lecture On
THE ROLE OF DATA SCIENCE IN SCIENCE & TECHNOLOGY, ENGINEERING, MEDICINE, EDUCATION AND MANAGEMENT

Date : 16th Nov 2024
Venue: CIVIL Block, Seminar Hall

RESOURCE PERSON
Dr. NAGARAJU BAYDETI
Asst. Professor Grade1, Dept. of CSE,
NIT, Nagaland

CONVENOR
Mr. N. Srinivasa Rao
Assoc. Professor & HoD- CSIT

CO-CONVENOR
Mrs. Y. Anusha
Asst. Professor- CSIT

CO-ORDINATOR
Mr. T. Harish
Asst. Professor- CSIT

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Department of **CSIT**



COMPUTER SCIENCE AND ENGINEERING (IoT & CSBT)

AN IIC EVENT

The Department of Computer Science and Engineering (IoT & CSBT) at PACE Institute of Technology and Sciences, in collaboration with the Institution's Innovation Cell, successfully presented a highly informative guest lecture on "Innovation in Data Processing Using ETL Tools." Mr. P. Gopi Bhaskar, Senior Project Manager at Capgemini delivered a compelling presentation, sharing invaluable expertise on leveraging ETL tools for efficient data management, transformation, and analysis. Students gained practical knowledge and inspiration to pursue advanced data processing techniques. The event's flawless execution is a testament to the dedication of Dr. B. Srikanth (Head, Department of Computer Science and Engineering [IoT & CSBT]), Dr. A. Seshagiri Rao (Head, Department of Information Technology), and the exceptional coordination of Ms. K. Anuradha, Ms. G. Aruna, and Dr. M. Venkateswara Rao.

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An IIC Event on
**INNOVATION ON DATA
PROCESSING USING ETL TOOLS**

Date : 06th November 2024
Venue : Mechanical Seminar Hall

RESOURCE PERSON
Mr. P. GOPI BHASKAR
Senior Project Manager,
Capgemini, Chennai

CONVENOR
Dr. B. Srikanth
Asst. Professor &
Head, CSE(IoT & CSBT)

CONVENOR
Dr. A. Seshagiri Rao
Professor & HoD-IT

COORDINATOR
Mrs. K. Anuradha
Asst. Professor - CSE(IoT & CSBT)

COORDINATOR
Mrs. G. Aruna
Asst. Professor - IT

IIC-COORDINATOR
Dr. M. Venkateswara Rao
Asst. Professor

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Mr. P. Gopi Bhaskar addressing the gathering.



AN AWARENESS SESSION ON OVERSEAS EDUCATION

A highly informative seminar on "Overseas Education" provided comprehensive guidance on the complexities of applying to international universities. Ms. Roopa Akkesh, Dean of Training & Placements, expertly addressed key aspects of the application process, including standardized testing (GRE, TOEFL, IELTS), university selection criteria, course requirements, and financial planning (loans, scholarships, grants).

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AWARENESS PROGRAM ON OVERSEAS EDUCATION

Date : 07th November 2024
Venue : Mechanical Seminar Hall

RESOURCE PERSON
MS. ROOPA AKKESH K
Dean-Training & Placements,
PACE ITS, Ongole

CONVENOR Dr. B. Srikanth Asst. Professor & HOD-CSE(IOT&CSBT)	CONVENOR Dr. A. Seshagiri Rao Professor & HoD-IT	COORDINATOR Mrs. K. Anuradha Asst. Professor- CSE(IOT&CSBT)	COORDINATOR Mrs. M. Kalyani Asst. Professor-IT
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Her presentation included illustrative Graduate Record Examination (GRE) questions and detailed information on application procedures and associated costs. She further enriched the session with firsthand insights into the experiences of Indian students studying in the U.S.A., emphasizing the importance of proactive planning. The interactive format facilitated a robust question-and-answer session, clarifying numerous student inquiries and demystifying the process of gaining admission to prestigious international institutions. The seminar's success reflects the diligent efforts of Dr. B. Srikanth (Head, Department of Computer Science and Engineering), Dr. A. Seshagiri Rao (Head, Department of Information Technology), and the logistical support provided by Ms. K. Anuradha and Ms. M. Kalyani. The departments express their sincere appreciation to the management, principal, and all contributing individuals for their invaluable contributions.



Ms. Roopa Akkesh offering valuable suggestions to the gathering

AN IIC EVENT

The Department of Computer Science and Engineering (IoT & CSBT), in collaboration with PACE Institute of Technology and Sciences' Innovation Cell, recently hosted a highly successful guest lecture focused on **"Innovative Real-Time Data Analysis and Security Utilizing Data Warehouse Technologies."** Senior Project

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An IIC Event on
**INNOVATION OF REAL TIME
PROCESS IN DATA ANALYZE
AND SECURITY USING DATA
WAREHOUSE TECHNOLOGY**

Date : 06th November 2024
Venue : Mechanical Seminar Hall

RESOURCE PERSON
MR. P.GOPI BHASKAR
Senior Project Manager,
Capgemini, Chennai

CONVENOR Dr. B.Srikanth Asst. Professor & HOD-CSE(IoT&CSBT)	CONVENOR Dr. A.Seshagiri Rao Professor & HoD-IT	COORDINATOR Mrs. K.Anuradha Asst. Professor- CSE(IoT&CSBT)	COORDINATOR Mrs. G.Aruna Asst. Professor- IT	IIC-COORDINATOR Dr. M.Venkateswara Rao Asst. Professor
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Manager Mr. P. Gopi Bhaskar, a Senior Project Manager at Capgemini, delivered a compelling presentation on advanced data processing methodologies, real-time operations, and robust security protocols. The lecture highlighted the importance of data warehousing techniques in ensuring data integrity and operational efficiency. The lecture illuminated cutting-edge techniques in data warehousing, emphasizing their crucial role in ensuring data integrity and operational efficiency. Participants gained invaluable insights into the practical application of these technologies, fostering a deeper comprehension of their capabilities and limitations. The seminar's seamless execution was a direct result of the meticulous planning and flawless coordination orchestrated by Dr. B. Srikanth (Head, Department of Computer Science and Engineering [IoT & CSBT]), Dr. A. Seshagiri Rao (Head, Department of Information Technology), and the dedicated support of Ms. G. Anuradha, Ms. G. Aruna, and Dr. M. Venkateswara Rao. Their combined efforts ensured a truly enriching and intellectually stimulating experience for all involved. The department extends its sincere gratitude to Mr. Bhaskar and all those who contributed to this significant academic event.



Mr. P. Gopi Bhaskar addressing the gathering.



PACE officials honoring Mr. Putta Nageswara Reddy

AN ALUMNI INTERACTION

The Departments of Computer Science and Engineering (IoT & CSBT) and Information Technology (IT) hosted a highly informative alumni session on **Career Pathways and Job Market Insights**. Ms. Leela Sai Ramya Sri Oruganti shared invaluable professional experiences and industry perspectives, equipping students with crucial knowledge for navigating their future careers. Ms. Oruganti emphasized the critical importance of staying abreast of evolving technological trends, particularly IoT, cloud computing, and AI, highlighting their transformative impact on the job market. This session provided students with valuable insights into navigating today's dynamic technological landscape. Ms. Oruganti was commended for her mentorship. The event's successful organization is attributed to Dr. B. Srikanth (Head, Dept. of CSE [IoT & CSBT]), Dr. A. Seshagiri Rao (Head, Dept. of IT), and the dedicated efforts of Ms. K. Anuradha and Mr. I. Madhav."

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Alumni-Session on
**CAREER PATHWAYS AND
JOB MARKET INSIGHTS**

Date : 11th November 2024
Venue : Mechanical Seminar Hall

RESOURCE PERSON
MS. O. LEELA SAI RAMYA SRI

CONVENOR Dr. B. Srikanth Asst. Professor & HOD - CSE(IOT&CSBT)	CONVENOR Dr. A. Seshagiri Rao Professor & HOD - IT	COORDINATOR Mrs. K. Anuradha Asst. Professor - CSE(IOT&CSBT)	COORDINATOR Mr. I. Madhav Asst. Professor - IT
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Ms. Leela Sai Ramya Sri addressing the gathering.

A SESSION

On November 11th, 2024, we were honored to host a career development workshop entitled "Navigating Your Career Path," featuring the distinguished Mr. Ratna Raju Chegudi. A seasoned pedagogical professional with over two and a half decades of experience in higher education, Mr. Raju's career trajectory encompasses roles ranging from junior lecturer to department head. His extensive background in curriculum development and pedagogical innovation, coupled with his adeptness in mentoring and fostering student success, has significantly contributed to the growth of numerous educational institutions. His expertise centers on enhancing English language proficiency, specifically focusing on the crucial domains of oral communication and auditory comprehension. Furthermore, Mr. Raju is proficient in maintaining an unwavering commitment to continuous professional development, actively participating in numerous workshops and seminars. Currently serving as a Verbal Skills Trainer in Training & Placements at PACE ITS Ongole, Mr. Raju generously imparted his considerable knowledge of essential career competencies and strategies for navigating today's dynamic professional landscape. His invaluable insights proved immensely beneficial to our students' career aspirations. This event was meticulously organized by Dr. B. Srikanth, Head of Department, Computer Science and Engineering, and Dr. A. Seshagiri Rao, Head of Department, Information Technology, and expertly coordinated by Ms. K. Anuradha and Ms. M. Kalyani.

The poster features the PACE logo at the top left, with 'INSTITUTE OF TECHNOLOGY & SCIENCES' and 'AUTONOMOUS' below it. To the right are logos for AICTE, NAAC, and the Institution's Innovation Council. The main title is 'SESSION ON NAVIGATING YOUR CAREER PATH'. Below this, the date is '11th November 2024' and the venue is 'Mechanical Seminar Hall'. A circular portrait of Mr. Ratna Raju Chegudi is on the left. On the right, an illustration shows a person climbing stairs with an upward-pointing arrow. The resource person is listed as 'MR. RATNA RAJU CHEGUDI, Verbal Trainer-Training & Placements, PACE ITS, Ongole'. A table lists the convenors and coordinators: Dr. B. Srikanth (Asst. Professor & HOD-CSE(IOT&CSBT)), Dr. A. Seshagiri Rao (Professor & HOD-IT), Mrs. K. Anuradha (Asst. Professor-CSE(IOT&CSBT)), and Mrs. M. Kalyani (Asst. Professor-IT). Social media handles for @PaceAutonomous, @paceautonomous, @paceautonomous2008, @PACE ITS Ongole, and @PaceAutonomous are provided. The address is 'NH-16, Near Valluramma Temple, Valluru, Ongole-523272, A.P.-India' with website 'www.pace.ac.in | 9581456310'. It is organized by the departments of CSE (IOT&CSBT) & IT.



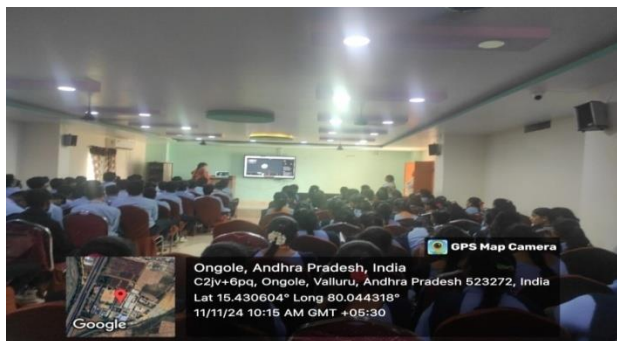
Mr. Ratna Raju Chegudi addressing the student body.



A GUEST LECTURE

On November 11th, 2024, the Departments of Computer Science and Engineering (IoT & CSBT) and Information Technology successfully convened a virtual guest lecture on "Introduction to Cryptography and Number Systems." The esteemed speaker, Dr. Ch. Koteswara Rao, Associate Professor of Computer Science and Engineering at VIT-AP,

provided an insightful exploration of fundamental cryptographic principles and the integral role of number systems in safeguarding digital communications. Dr. Rao's expertise illuminated this critical technological domain, offering participants a nuanced understanding of its complexities. The lecture's success is attributable to the meticulous planning and execution by Dr. B. Srikanth (Head, Department of Computer Science and Engineering) and Dr. A. Seshagiri Rao (Head, Department of Information Technology), with the adept logistical support of Ms. V. Swarna and Ms. B. Sarada. The departments extend their profound gratitude to the management, principal, and all contributing individuals for their invaluable support.



FACULTY'S ACHIEVEMENTS

- As a part of Skill India, Ms. Veluri Swarna, an Assistant Professor from Computer Science Engineering (IoT & CSBT) at PACE Institute of Technology and Sciences, successfully completed a Ministry of Education-funded NPTEL-AICTE Faculty Development Program for 12 weeks on the **Introduction to the Internet of Things** conducted by both Swayam and the Indian Institute of Technology Kharagpur. She successfully completed it with a consolidated score of 57%.
- Ms. Chimakurhti Manasa, Assistant Professor of Computer Science and Engineering (IoT & CSBT) at PACE Institute of Technology and Sciences, successfully completed a twelve-week Ministry of Education-funded NPTEL-AICTE Faculty Development Program on **Introduction to the Internet of Things**, achieving a commendable aggregate score of 67%.
- Ms. Veluri Swarnalatha, Assistant Professor in Computer Science Engineering (IoT & CSBT) at PACE Institute of Technology and Sciences, participated in a two-day faculty development program (FDP) on **Deep Learning Techniques**. The Department of Computer Science Engineering at VKR, VNB & AGK College of Engineering, Gudivada, in collaboration with Pencil Bitz, organized the FDP on November 14th and 15th, 2024.

INDUSTRY INSTITUTE INTERACTION

On November 1st, 2024, the Departments of Computer Science and Engineering (IoT & CSBT) and Information Technology at PACE Institute of Technology and Sciences successfully hosted a virtual guest lecture on contemporary **Software Testing Methodologies**. Dr. Vamsi Nallamotheu, a distinguished Senior QA Automation Engineer at Lotus Wave Software Solutions Pvt. Limited,

The poster features the PACE Institute of Technology & Sciences logo at the top left, including accreditation marks for NAAC and PACE. The main title is 'Industry Institute Interaction GUEST LECTURE ON SOFTWARE TESTING METHODOLOGY'. The date is '01st November 2024' and the venue is 'Mechanical Seminar Hall'. A circular portrait of the resource person, Mr. Vamsi Nallamotheu, Sr. QA Lead Engineer (Oracle Applications), is shown. The event is organized by the departments of CSE(IoT&CSBT) & IT, with a list of convener, co-convener, and coordinators. Social media handles for PACE Autonomous and PACE ITS Ongole are provided, along with the address: NH-16, Near Valluramma Temple, Valluru, Ongole-523272, A.P.-India.

delivered a compelling presentation that provided attendees with a nuanced understanding of current best practices in software quality assurance. The lecture illuminated advanced techniques and emerging trends in the field, offering participants valuable insights into the practical application of these methodologies within real-world software development environments. The event's impeccable execution is a direct result of the tireless efforts of Dr. B. Srikanth (Head, Department of Computer Science and Engineering [IoT & CSBT]), Dr. A. Seshagiri Rao (Head, Department of Information Technology), and the exceptional coordination of Ms. K. Anuradha, Ms. G. Aruna, and Dr. M. Venkateswara Rao. Their dedication ensured a highly enriching and informative experience for all those in attendance. The departments extend their sincerest gratitude to Dr. Vamsi for his invaluable contribution.



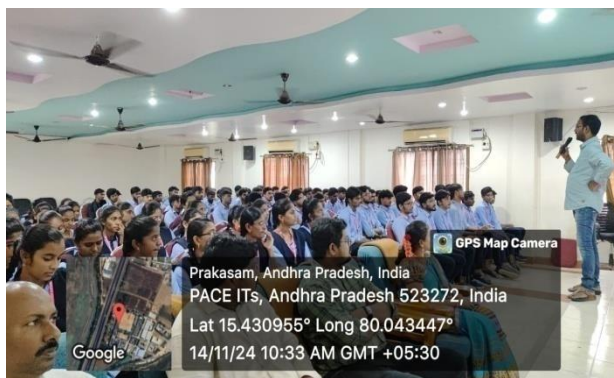
ELECTRONICS AND COMMUNICATION ENGINEERING

DEPARTMENTAL ACHIEVEMENTS – A GUEST LECTURE

On November 14, 2024, the Department of Electronics and Communication Engineering hosted a highly successful guest lecture, "**A Deep Dive into Signal Transformations: Techniques, Applications, and Advanced Analysis.**" Dr. Ch. V. M. S. Pavan Kumar, Associate Professor from BEC, delivered a compelling

The poster features the PACE logo and several accreditation icons. The main text reads: "Guest Lecture on A DEEP DIVE INTO SIGNAL TRANSFORMATION: TECHNIQUES, APPLICATIONS, AND ANALYSIS". The date is "14th Nov 2024" and the venue is "ECE Seminar Hall". The resource person is "Dr. CH.V.M.S. PAVAN KUMAR, Assoc. Professor, BEC, Bapatla". The convener is "Dr. M. Appa Rao, Professor & HoD-ECE", the co-convener is "Dr. D. Anil Kumar, Asst. Professor- ECE", and the co-ordinator is "Mr. R. Koteswar Rao, Asst. Professor- ECE". Social media handles for PACE are listed at the bottom, along with the address: "NH-16, Near Valluramma Temple, Valluru, Ongole-523272, A.P.-India" and website "www.pace.ac.in | 9581456310". The event is organized by the Department of ECE.

presentation, showcasing his profound expertise in signal processing. His address provided a comprehensive exploration of diverse signal transformation techniques, their multifaceted applications across various technological domains, and sophisticated analytical methodologies for interpreting transformed signals. Dr. Kumar's insightful discourse significantly enriched the learning experience of both students and faculty, underscoring the pivotal role of signal processing in contemporary technological advancements. The seamless execution of this event is attributable to the meticulous planning and organizational prowess of Dr. M. Apparao (Professor and Head of the Department of Electronics and Communication Engineering), Dr. D. Anil Kumar (Associate Professor), and Mr. R. Koteswara Rao (Assistant Professor), whose adept coordination ensured a stimulating and enriching academic experience. This initiative underscores the department's unwavering commitment to fostering cutting-edge knowledge and practical skills within the dynamic field of Electronics and Communication Engineering.



Dr. Pavan Kumar addressing the gathering

A SEMINAR

The Department of Electronics and Communication Engineering (ECE) at PACE Institute of Technology and Sciences successfully hosted an in-person seminar on November 15, 2024, entitled "Explore the Career Opportunities in Embedded World for Better Tomorrow." Organized under the direction of Professor M. Apparao (Head of ECE) and meticulously coordinated by R.



Koteswara Rao, the seminar attracted over 160 students. Mr. P. Suresh delivered the keynote address. The event benefited from the active participation of Dr. Maddisetty Sridhar (Secretary and Correspondent), Dr. GVK Murthy (Principal), Dr. R. Veeranjanyulu (Dean of Students' Affairs), and Mr. M. Ramana Babu (Administrative Officer), along with faculty and students. The seamless execution of the seminar reflects the exceptional planning and coordination of Professor M. Apparao, Associate Professor D. Anil Kumar, and Assistant Professor R. Koteswara Rao, creating a valuable learning experience. This initiative reinforces the ECE department's commitment to providing students with cutting-edge knowledge and practical skills in this rapidly evolving field.



Mr. P. Suresh addressing the gathering

A SEMINAR

The Department of Electronics and Communication Engineering hosted a highly successful intensive workshop on **the 5G Revolution: Technical Challenges in Next-Generation Connectivity** on November 15, 2024. Led by Professor Dr. M. Apparao (Head of Department), Associate Professor D. Anil



The poster is for a seminar titled "THE 5G REVOLUTION: TECHNICAL CHALLENGES IN NEXT-GENERATION CONNECTIVITY". It features the PACE logo (Pace Institute of Technology & Sciences, Autonomous) and logos for AICTE, FAEI, NAAC, and the Institution's Innovation Council. The date is 15th Nov 2024, and the venue is ECE Seminar Hall. The resource person is Dr. CH.V.M.S. PAVAN KUMAR, Assoc. Professor, BEC, Bapatla. The convenor is Dr. M. Appa Rao (Professor & HoD-ECE), co-convenor is Dr. D. Anil Kumar (Asst. Professor- ECE), and co-ordinator is Mr. R. Koteswar Rao (Asst. Professor- ECE). Social media handles for PaceAutonomous are listed at the bottom. The location is NH-16, Near Valluramma Temple, Valluru, Ongole-523272, A.P.-India, with website www.pace.ac.in and phone 9581456310. It is organized by the Department of ECE.

Kumar, and Mr. R. Koteswara Rao, the program attracted over 160 students, highlighting considerable interest in this critical field. Dr. Ch. M. V. S. Pavan Kumar's keynote address provided a robust theoretical foundation. The workshop fostered a dynamic collaborative learning environment, extending beyond simple participation to encompass active engagement from faculty and students alike. The seminar facilitated a high-level discourse amongst participants, fostering a collaborative environment conducive to innovative solutions and the dissemination of cutting-edge knowledge within the field. The enthusiastic support of Dr. Maddisetty Sridhar (Secretary and Correspondent), Dr. GVK Murthy (Principal), Dr. R. Veeranjanyulu (Director of Student Affairs), and Mr. M. Ramana Babu (Administrative Officer) further contributed to the workshop's exceptional outcome. The diligent efforts of the organizing team ensured a high-quality learning experience, underscoring the department's commitment to providing students with state-of-the-art expertise in this rapidly evolving field.



Dr. Pavan Kumar addressing the gathering

A MOTIVATIONAL SPEECH

On November 11, 2024, PACE ITS Ongole hosted a compelling motivational speech entitled **"The Power of Resilience in Academics: Cultivating Synergistic Team Dynamics."** The distinguished speaker, Ms. Roopa Akkesh K, Dean of Training & Placements, delivered an inspirational address to a receptive audience. This

invaluable session provided students with a profound understanding of resilience's pivotal role in academic achievement and its synergistic relationship with effective teamwork. Ms. Roopa's insightful presentation transcended mere theoretical exposition; she offered practical, actionable strategies for fortifying team cohesion and achieving optimal performance under duress. Participants gleaned invaluable techniques for navigating academic challenges, enhancing collaborative efforts, and ultimately achieving both scholastic and professional excellence. The seminar served as a catalyst for personal and collective growth, empowering students with the resilience and collaborative skills necessary to thrive in a demanding and increasingly competitive landscape.





Ms. Roopa Akkesh sharing her valuable insights

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

A GUEST LECTURE

A guest lecture on the application of mission-critical **machine learning algorithms to interdisciplinary fields** concluded on November 18, 2024, at PACE Institute of Technology and Sciences. This event, tailored for second- and third-year Artificial Intelligence and Machine Learning students featured Dr. G.V.E. Satish Kumar as the distinguished speaker. Dr. Kumar's presentation elucidated the intricacies of advanced machine learning algorithms, emphasizing their immediate and future career relevance for the students. He underscored the pivotal role of proficiency in machine learning in securing timely and rewarding employment opportunities. The lecture was graced by the presence of Dr. Maddisetty Sridhar, College Secretary Correspondent, and Dr. GVK Murthy, Principal of PACE, and Dr. Sridhar highlighted PACE's unwavering commitment to providing students with cutting-edge technological instruction. The program was expertly convened by Ms. Sk. Heena Kausar, head of the department of AIML and Mr. M. Aharonu, with seamless coordination provided by Ms. G. Sri Devi. Faculty and students actively participated in this enriching academic engagement.

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**GUEST LECTURE ON
APPLICATION OF MACHINE
LEARNING ALGORITHMS
TO INTERDISCIPLINARY FIELDS**

Date : 18th Nov 2024
Venue : Aryabhata Block

RESOURCE PERSON
Dr. G. V. E. SATISH KUMAR
SMIEEE, LMISTE, Professor and HoD,
Gayatri Vidya Parishad College of Engineering (Autonomous),
Anandrapuram, Andhra Pradesh

CONVENOR
Mrs. Shaik Heena Kausar
Asst. Professor & HoD - AI&ML

COCONVENOR
Mr. M. Aharonu
Asst. Professor - AI&ML

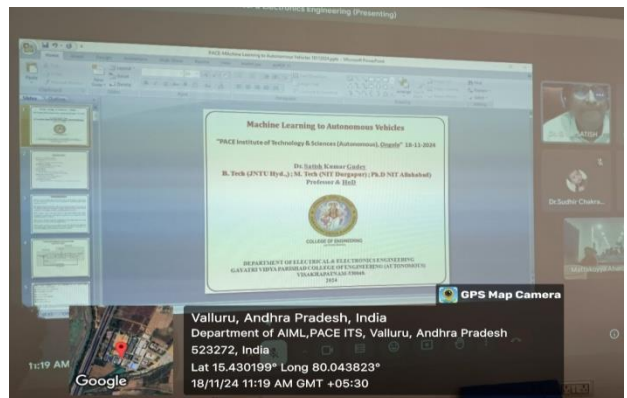
COORDINATOR
Mrs. G. Sreedevi
Asst. Professor - AI&ML

Machine Learning

Organized by
Departments of **AI&ML**

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ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

A GUEST LECTURE

On November 18, 2024, the Department of Artificial Intelligence and Data Science hosted a distinguished lecture on **Machine Learning to Autonomous Vehicles**. Dr. G.V.E. Satish Kumar, a Professor and Head of Department of Electrical and Electronics Engineering at Gayatri Vidya Parishad College of Engineering (Autonomous), and a recognized expert (SMIEEE, LMISTE), delivered the presentation. Dr. Satish Kumar elucidated the indispensable nature of machine learning in enabling safe navigation and decision-making capabilities within autonomous vehicles.



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**GUEST LECTURE ON
MACHINE LEARNING TO
AUTONOMOUS VEHICLES**



Date : 18th Nov 2024
Venue : PACE Coders Club

RESOURCE PERSON
Dr. G. V. E. SATISH KUMAR
SMIEEE, LMISTE, Professor and HoD,
Gayatri Vidya Parishad College of Engineering (Autonomous),
Andhra Pradesh

CONVENOR
Dr. K.Sudhir Chakravarthy,
Assoc.Professor & HoD - AI&DS

COORDINATOR
Mrs. Jetti Pavitra,
Asst.Professor- AI&DS

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Departments of **AI&DS**

He emphasized the critical contribution of deep learning, a sophisticated subfield, in executing complex tasks such as object recognition and trajectory optimization. The capacity for continuous learning and adaptive refinement, he highlighted, is paramount to enhancing the performance and reliability of these sophisticated systems. The event, meticulously convened by Dr. K. Sudhir Chakravarthy, Associate Professor and Head of the AIDS Department, and coordinated by Ms. Jetti Pavitra, proved a resounding success. The lecture underscored the transformative potential of advanced machine learning algorithms in the rapidly evolving landscape of autonomous driving.



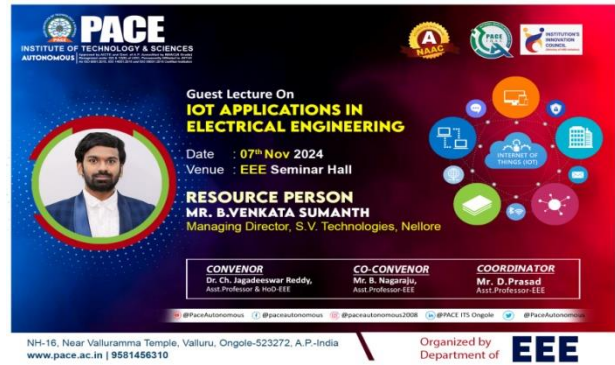
FACULTY'S ACHIEVEMENTS

- Ms. Sravani B.S.N, Ms. P Ramalingamma, Mr. Garimidi Subbarao and Ms. Jetti Pavithra participated in a five-day Faculty Development Program on **Cloud Architecture**, held from November 18 to 22, 2024. The program was a collaborative effort between Vardhaman Engineering College (Shamshabad, Hyderabad), AVS Engineering College (Salem, Tamil Nadu), JSS Science and Technology University (Mysore, Karnataka), JB Institute of Engineering & Technology (Ranga Reddy, Telangana), GMR Institute of Technology (Vizianagaram, Andhra Pradesh), and Santhiram Engineering College (Nandyal, Andhra Pradesh), in partnership with ExcelR Edtech Pvt. Ltd.
- Dr. Sudhir Chakravarthy was recognized for his peer review contributions to MEICON 1.0, the Mechanical Engineering International Conference held at OP Jindal University (Raigarh, India). His review pertained to the paper, "**Effect of Chemical Polishing on Surface Quality and Geometrical Accuracy of 3D Printed Parts with 50% Infill Density.**"

ELECTRICAL AND ELECTRONICS ENGINEERING

DEPARTMENTAL EVENTS - A GUEST LECTURE

On November 7, 2024 the Department of Electrical and Electronics Engineering hosted a distinguished lecture on "Internet of Things (IoT) Applications in Electrical Engineering." The presentation, delivered by Mr. B. Venkata Sumanth, Managing Director of S.V. Technologies (Nellore), provided insightful analysis of current and emerging applications of IoT within the field. The event, expertly orchestrated by Ms. Ch. Jagadeswar Reddy (Head of the department of Electricals and Electronics Engineering and co-convened by Mr. B. Nagaraju, with the seamless logistical support of Mr. D. Prasad, facilitated a robust exchange of knowledge and perspectives. The lecture garnered enthusiastic participation from faculty and students, fostering a stimulating intellectual discourse and enriching the academic environment. The EEE department's proactive engagement with industry experts underscores its commitment to delivering a contemporary and relevant curriculum.



Mr. Sumanth delivering a presentation

A GUEST LECTURE

On November 8, 2024, the Department of Electrical and Electronics Engineering hosted a highly successful lecture on the crucial topic of "Testing and Commissioning of Electrical Equipment." Mr. Mothukuri Sivaraj, a senior electrical engineer from TVL Electricals (Vijayawada), delivered a compelling presentation, sharing his extensive practical experience and providing invaluable insights into the rigorous methodologies and technical nuances essential for ensuring the safe and reliable operation of electrical systems. The lecture fostered a dynamic intellectual exchange, enriching the learning experience by seamlessly integrating practical industry knowledge with the department's theoretical curriculum. The enthusiastic participation of both faculty and students was a testament to the event's success. Meticulously convened by Ms. Ch. Jagadeswar Reddy (Head of the EEE Department) and Mr. B. Nagaraju, with the efficient coordination of Mr. K. Sowjan Kumar. The event was a success with enthusiastic participation from both faculty and students.

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Guest Lecture On
**TESTING & COMMISSIONING
OF ELECTRICAL EQUIPMENTS**

Date : 08th November 2024
Venue : EEE Seminar Hall

RESOURCE PERSON
MR. MOTHUKURI SIVARAJ
Senior Electrical Engineer,
TVL ELECTRICALS, Vijayawada

CONVENOR
Dr. Ch. Jagadeswar Reddy
Asst. Professor & HOD-EEE

CO-CONVENOR
Mr. B. Nagaraju
Asst. Professor-EEE

CO-ORDINATOR
Mr. K. Sowjan Kumar
Asst. Professor-EEE

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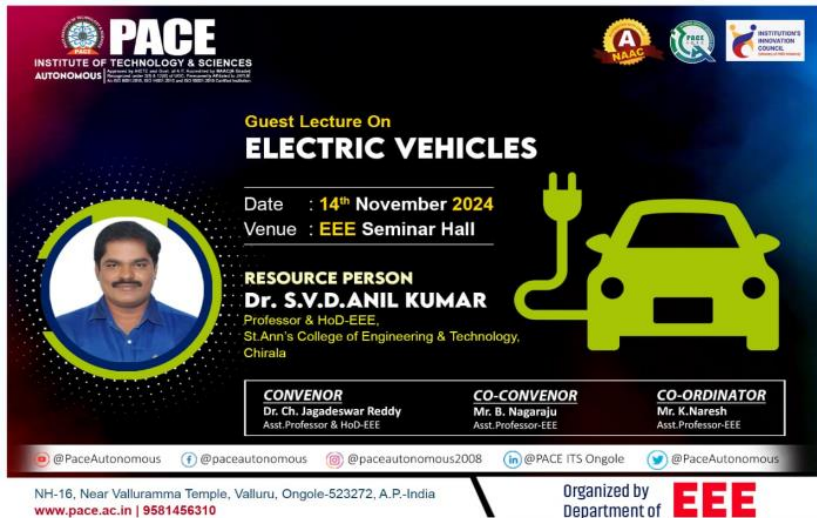
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Organized by
Department of **EEE**



A GUEST LECTURE

The Department of Electrical and Electronics Engineering successfully hosted a seminar on Electric Vehicles on November 14, 2024. Dr. S.V.D. Anil Kumar, Professor and Head of EEE at St. Ann's College of Engineering & Technology (Chirala), presented a compelling overview of EV technology, including advancements, design considerations, and future trends. The seminar, meticulously organized by Ms. Ch. Jagadeswar Reddy (Head of EEE) and Mr. B. Nagaraju, with the efficient support of Mr. K. Naresh, fostered a dynamic exchange of ideas among faculty and students. This event demonstrates the department's commitment to incorporating cutting-edge technologies into its curriculum.



The poster features the PACE logo at the top left, with 'INSTITUTE OF TECHNOLOGY & SCIENCES' and 'AUTONOMOUS' below it. On the right, there are accreditation logos for NAAC, FEED, and Institutions Innovation Council. The main title is 'Guest Lecture On ELECTRIC VEHICLES'. Below this, the date is '14th November 2024' and the venue is 'EEE Seminar Hall'. A circular portrait of Dr. S.V.D. Anil Kumar is on the left. To the right is a green silhouette of an electric car with a charging cable. Below the car, the resource person is listed as 'Dr. S.V.D. ANIL KUMAR, Professor & HoD-EEE, St. Ann's College of Engineering & Technology, Chirala'. At the bottom, the convener, co-convener, and co-ordinator are listed with their names and titles. Social media handles for @PaceAutonomous are provided, along with the address 'NH-16, Near Valluramma Temple, Valluru, Ongole-523272, A.P.-India' and the website 'www.pace.ac.in | 9581456310'. The organizing department is 'EEE'.



Mr. Anil Kumar sharing his presentation

A GUEST LECTURE

On November 19, 2024, the Department of Electrical and Electronics Engineering hosted a guest lecture on "**Micro Grid Designs and Its Feasibility Studies.**" The presentation, delivered by Dr. B. Venkatesh, Assistant Professor at BMS College of Engineering, Bangalore, proved exceptionally well-received. The meticulously orchestrated event, spearheaded by Ms. Ch. Jagadeswar Reddy (Head of the EEE Department) and Mr. B. Nagaraju, with the indispensable logistical support of Mr. K. Naresh, ensured an intellectually stimulating and flawlessly executed academic experience. The palpable enthusiasm demonstrated by both faculty and students served as a testament to the critical importance and contemporary relevance of micro grid technology within the ever-evolving domain of electrical engineering. The lecture fostered a vibrant exchange of ideas, underscoring the department's unwavering commitment to incorporating state-of-the-art technological advancements into its pedagogical framework, thus equipping its students with the knowledge and skills necessary to navigate the complexities of the modern energy sector.



CIVIL ENGINEERING

AN ALUMNI INTERACTION

The Department of Civil Engineering hosted a highly informative alumni guest lecture on "Geospatial Surveying" on November 18th, 2024. This event provided invaluable practical and theoretical knowledge for students across diverse disciplines, including geography, engineering, environmental science, and urban planning. The lecture emphasized the crucial role of geospatial

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Alumni
Guest Lecture On
GEOSPATIAL SURVEYING

Date : 18th November 2024
Venue : CIVIL Seminar Hall

RESOURCE PERSON
Mr. PAPISETTY VENKATESH
Geospatial Engineer

CONVENOR
Dr. G. Ganesh Naidu
Assoc. Professor & HoD-CIVIL

CO-CONVENOR
Mr. Ch. Durga Prasad
Asst. Professor-CIVIL

CO-ORDINATOR
Mr. E. Mani
Asst. Professor-CIVIL

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technologies in contemporary applications, highlighting the proficiency required in utilizing advanced surveying instruments such as GPS, total stations, drones, LiDAR, and GIS software (ArcGIS, QGIS, AutoCAD). Participants gained insights into advanced field survey methodologies and data processing techniques for the creation of precise maps and three-dimensional models. The lecture was expertly convened by Dr. G. Ganesh Naidu, Associate Professor and Head of the Department of Civil Engineering, co-convened by Mr. Ch. Durga Prasad, Assistant Professor, and meticulously coordinated by Mr. E. Mani, Assistant Professor of Civil Engineering. The event underscored the department's commitment to providing students with cutting-edge expertise in this rapidly evolving field.



PACE officials honoring Mr. Venkatesh

A GUEST LECTURE

The Department of Civil Engineering presented a timely and insightful guest lecture on "Sustainable Applications in Structural Engineering" on November 19th, 2024. This event explored the critical intersection of sustainable practices and structural engineering, addressing the urgent need for environmentally responsible

The poster features the PACE logo at the top left, with accreditation logos (NAAC, A, and Institution's Council) at the top right. The main title is "Guest Lecture On SUSTAINABLE APPLICATIONS IN STRUCTURAL ENGINEERING". The date is "24th November 2024" and the venue is "CIVIL Seminar Hall". The resource person is "Mr. SHAIK SANDANI BASHA", Assistant Professor, Department of Civil Engineering, KL University. The convenor is "Dr. G. Ganesh Naidu, Assoc. Professor & HoD-CIVIL". The co-convenor is "Mr. Ch. Durga Prasad, Asst. Professor-CIVIL". The co-ordinator is "Mr. Ch. Sandeep Reddy, Asst. Professor-CIVIL". Social media handles for PACE are listed at the bottom. The address is "NH-16, Near Valluramma Temple, Valluru, Ongole-523272, A.P.-India" and the contact is "www.pace.ac.in | 9581456310". The event is organized by the Department of CIVIL.

construction methodologies in the face of global ecological challenges. The lecture delved into innovative design strategies, the utilization of eco-friendly materials, and the implementation of resource-efficient technologies within the structural engineering domain. The presentation highlighted the paradigm shift towards minimizing the environmental footprint of construction projects and maximizing resource utilization throughout the building lifecycle. The lecture's success is a testament to the meticulous organization and coordination provided by Dr. G. Ganesh Naidu, Associate Professor and Head of the Department of Civil Engineering, Mr. Ch. Durga Prasad, Assistant Professor, and Mr. Ch. Sandeep Reddy, Assistant Professor of Civil Engineering. This initiative underscores the department's unwavering commitment to equipping its students with the advanced knowledge and skills necessary to navigate the complexities of sustainable infrastructure development.



PACE officials honoring Mr. Sandani Basha



A GUEST LECTURE

The Department of Civil Engineering hosted a guest lecture on "In-Situ Geotechnical Testing" on November 19th, 2024, focusing on the critical role of on-site soil and rock characterization in ensuring the structural integrity and safety of engineering projects. The lecture provided a detailed examination of the methodologies employed in evaluating the in-situ physical

and mechanical properties of subsurface materials. This included a comprehensive overview of various testing techniques, their respective applications, and the interpretation of resultant data for informed engineering decisions. The presentation highlighted the indispensable nature of in-situ testing for mitigating geological risks and optimizing design parameters to ensure the stability and feasibility of construction projects. The event's success is attributable to the diligent efforts of Dr. G. Ganesh Naidu (Associate Professor and Head of the Department of Civil Engineering), Mr. Ch. Durga Prasad (Assistant Professor), and Mr. S. Ankarao (Assistant Professor of Civil Engineering). The lecture exemplifies the department's commitment to providing students with a robust understanding of contemporary geotechnical engineering principles and practices.

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Guest Lecture On
ON SITE GEOTECHNICAL TESTING

Date : 19th November 2024
Venue : CIVIL Seminar Hall

RESOURCE PERSON
Mr. BADVEL MAHESH
Managing Director and Licenced Engineer
SDS Architect and Engineers

CONVENOR
Dr. G. Ganesh Naidu
Assoc. Professor & HoD-CIVIL

CO-CONVENOR
Mr. Ch. Durga Prasad
Asst. Professor-CIVIL

CO-ORDINATOR
Mr. S. Ankarao
Asst. Professor-CIVIL

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PACE officials honoring Mr. Makesh



A WORKSHOP

The Department of Civil Engineering conducted a comprehensive technical workshop on "Rovering Technology" on November 23rd, 2024. This intensive program offered participants a unique blend of theoretical instruction and practical, hands-on experience in the design, programming, and diverse

The poster is for a technical workshop titled "Rovering Technology" held at PACE Institute of Technology & Sciences. It features a central image of a man in a blue shirt, likely the resource person, and a graphic of a rover with a satellite dish. The text provides the date (23rd November 2024), venue (CIVIL Seminar Hall), and lists the resource person as Mr. Pasupuleti Murahari Krishna, a Senior Technical Trainer from the State Government of Andhra Pradesh. It also lists the convenor (Dr. G. Ganesh Naidu), co-convenor (Mr. M. Durga Prasad), and co-ordinator (Mr. Ch. Sandeep Reddy). Social media handles and contact information for PACE are provided at the bottom.

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Technical Workshop On
ROVERING TECHNOLOGY

Date : 23rd November 2024
Venue : CIVIL Seminar Hall

RESOURCE PERSON
Mr. PASUPULETI MURAHARI KRISHNA
Senior Technical Trainer Rovering and Ranging
State Government of Andhra Pradesh

CONVENOR
Dr. G. Ganesh Naidu
Assoc. Professor & HoD-CIVIL

CO-CONVENOR
Mr. M. Durga Prasad
Asst. Professor-CIVIL

CO-ORDINATOR
Mr. Ch. Sandeep reddy
Asst. Professor-CIVIL

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applications of roving technologies. The curriculum encompassed a detailed exploration of the underlying principles governing autonomous navigation, remote sensing capabilities, and the sophisticated control systems integral to roving platforms. Specific applications explored included the challenges and innovations in planetary exploration, the development of autonomous vehicles for terrestrial environments, and the utilization of roving technologies in remote sensing and data acquisition. The workshop's success reflects the meticulous planning and execution by Dr. G. Ganesh Naidu (Associate Professor Trainer and Head of the Department of Civil Engineering), Mr. Ch. Durga Prasad (Assistant Professor), and Mr. Ch. Sandeep Reddy (Assistant Professor of Civil Engineering). This initiative highlights the department's commitment to providing students with cutting-edge knowledge and practical skills in this rapidly advancing field.



FACULTY'S ACHIEVEMENTS

- Dr. G. Ganesh Naidu, Assistant Professor, successfully completed the AICTE Quality Improvement Programme (QIP) advanced postgraduate level program, receiving certification from the AICTE Chair at IIT Kharagpur. This achievement signifies Dr. Naidu's commitment to continuous professional development and enhancement of his pedagogical expertise. The QIP program is highly regarded for its rigorous curriculum and its contribution to elevating the standards of higher education.
- 
- Mr. M. Durga Vara Prasad, Assistant Professor, successfully completed the NPTEL (National Programme on Technology Enhanced Learning) training program on "**Metal Additive Manufacturing**" at IIT Kharagpur. This intensive program provided advanced knowledge and skills in this rapidly evolving field of manufacturing technology.
 - Dr. G. Ganesh Naidu, Assistant Professor, successfully completed two faculty development programs (FDPs): "The Joy of Computing Using Python," at IIT Kharagpur, and "**Probability Theory for Data Sciences**," at IIT Tirupati, both offered through the NPTEL (National Programme on Technology Enhanced Learning) initiative. These FDPs equipped Dr. Naidu with advanced computational skills and a deeper understanding of the statistical foundations crucial for data analysis and interpretation within various disciplines.
 - Mr. E. Mani, Assistant Professor, successfully completed a faculty development program (FDP) on "**Municipal Solid Waste Management**" offered through the NPTEL (National Programme on Technology Enhanced Learning) initiative at IIT Madras. This program provided him with in-depth knowledge of sustainable waste management strategies, encompassing the technological, environmental, and socio-economic aspects of municipal solid waste treatment and disposal.

MECHANICAL ENGINEERING

A GUEST LECTURE

On November 18, 2024, the Department of Mechanical Engineering hosted a highly successful guest lecture, "Innovative Methods in Fabrication and Machining of Composite Materials." Dr. Ragavendra highlighted the increasing prominence of composites due to their superior strength-to-weight ratio and durability. He emphasized the role of innovative fabrication techniques, including additive manufacturing, high-speed machining, and smart manufacturing, in creating complex, high-performance components. The event's success was a testament to the collaborative efforts of the department's faculty, staff, and administration. The guest lecture was well-attended, with participation from College Secretary and Correspondent Dr. Maddisetty Sridhar, Principal Dr. GVK Murthy, Academic Dean Dr. CV Subba Rao, Dr. G. Kondaiah (Head of the Mechanical Engineering Department), Dr. G. Mallikarjunachari (event convener), and Mr. K. Srinivas (coordinator). The session concluded with well-deserved recognition of Mr. Reddy's contributions, reflecting the department's collaborative spirit. The lecture benefited significantly from the participation of leading experts in the field.

GUEST LECTURE ON
INNOVATIVE METHODS IN
FABRICATION AND
MACHINING OF COMPOSITE
MATERIALS
Venue: MECH Seminar Hall

PACE
INSTITUTE OF TECHNOLOGY & SCIENCES
AUTONOMOUS

MON 18th NOV 2024
10:00 am onwards

PACE - IIC
INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiatives)

Dr. Gujjala Raghavendra
Assistant Professor
Department of Mechanical Engineering
NIT Warangal, Warangal
Telangana, India.

Convenors
Dr. G. Kondaiah
HOD, Dept. of ME
Dr. G. Mallikarjunachari
Assoc. Professor, Dept. of ME

Co-Convenors
Mr. K. Srinivas
Asst. Professor, Dept. of ME

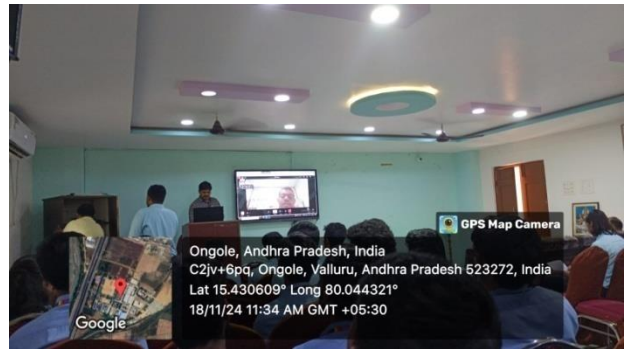
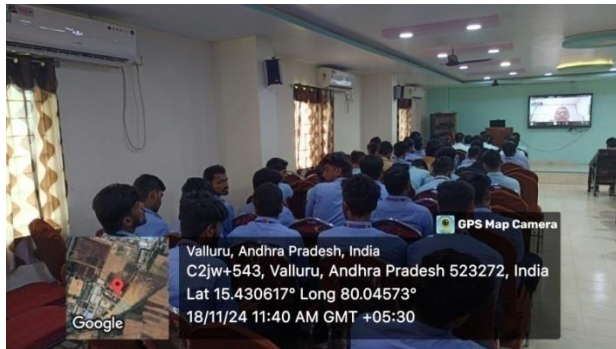
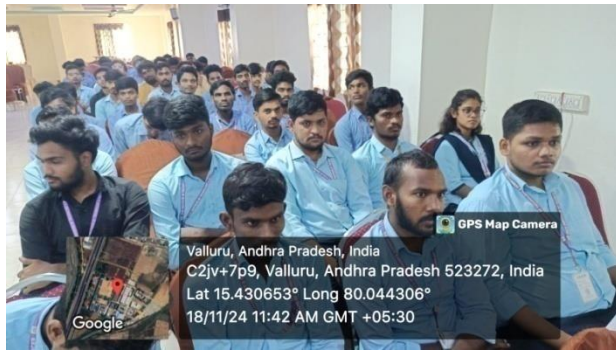
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Dr. Ragavendra sharing his presentation

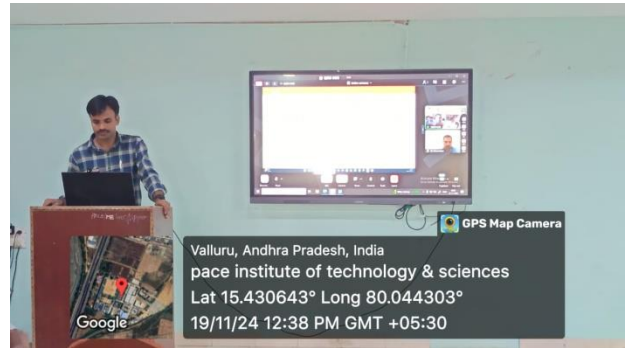


A GUEST LECTURE

The Mechanical Engineering Department successfully hosted a virtual guest lecture on November 19, 2024, exploring the critical interplay between thermal stresses, impact loading, and strain energy's contribution to structural integrity. Dr. Inturi Vamsi, Assistant Professor of

Mechanical Engineering at CBIT, Hyderabad, served as the esteemed resource person, delivering a compelling presentation on the subject. The event, meticulously orchestrated by Dr. G. Kondaiah, Head of the Mechanical Engineering Department, and Associate Professor Dr. G. Mallikarjunachari, benefited from the seamless coordination provided by Assistant Professor Mr. Y. Srinivasa Reddy.

The lecture provided a sophisticated examination of the underlying principles, fostering a robust intellectual discourse among attendees and showcasing the department's commitment to advanced pedagogical practices and fostering cutting-edge research within the field of materials science and structural mechanics. The department anticipates similar high-level engagements in the future, further enriching the academic landscape for its students.



INDUSTRIAL VISIT

From November 12 to 16, 2024, a cohort of fourth-year B. Tech students in Mechanical Engineering, under the supervision of three faculty members from PACE Institute of Technology and Sciences, participated in an edifying industrial visit encompassing various technical organizations and museums to foster practical, hands-on learning. As a part of this, they visited the Doddabetta Tea Factory and Museum, Udagamandalam, Tamil Nadu, which



provided an immersive, experiential exploration of tea's history and the complete processing methodology. A guided tour meticulously detailed the historical context and the multifaceted stages of tea production, encompassing withering, CTC processing (crushing, tearing, curling), shaping, fermentation, drying, cleaning, and grading. The students exhibited considerable enthusiasm and a marked inquisitiveness regarding all facets of tea manufacturing. This program is designed to cultivate practical expertise and enhance their technical acumen. College Secretary and Correspondent Dr. Maddisetty Sridhar, Principal Dr. GVK Murthy, Dean of Students' Affairs Dr. R. Veeranjanyulu, Dean of Academics Dr. C.V. Subba Rao, Head of the department of Mechanical Engineering, Dr. G. Kondaiah appreciated the students.



CAREER GUIDANCE CELL

AN AWARENESS SEMINAR

On November 18th, 2024, the Career Guidance Cell of PACE facilitated a highly informative workshop entitled "**Strategies for Success: Conquering ESE, GATE, and PSUs on the First Attempt and Subsequent B.Tech Career Pathways.**" The distinguished guest speaker, Mr. Jitendra Tiwari, a renowned educationalist and Limca Book of Records holder for his extraordinary feat of memorizing Barron's GRE dictionary, provided invaluable insights into effective preparation strategies for the ESE, GATE, and PSU examinations. His presentation also encompassed a

comprehensive overview of post-B.Tech career options. Following a dynamic and interactive Q&A session, selected students received monetary awards for their active participation and insightful contributions. The event, convened by Ms. K. Roopa Akkesh, Dean of Training and Placements, and expertly coordinated by Mr. S. Anjaneyulu, proved immensely beneficial to the graduating B.Tech class.

The poster is for a seminar titled "HOW TO CRACK ESE (ENGINEERING SERVICES EXAMINATION), GATE & PSUs IN THE 1ST ATTEMPT" held on 18 Nov 2024 at the MECHANICAL Seminar Hall. The speaker is Mr. Jitendra Tiwari, a Professional Speaker from MADE EASY. The event is organized by the CAREER GUIDANCE CELL of PACE (Pace Institute of Technology & Sciences, Autonomous). Logos for A NAAC, ACE, and Institutions' Innovation Council are visible. Social media handles for @PaceAutonomous and @paceautonomous2008 are listed, along with the address: NH-16, Near Valluramma Temple, Valluru, Ongole-523272, A.P-India.



Mr. Tiwari giving a presentation to the student body



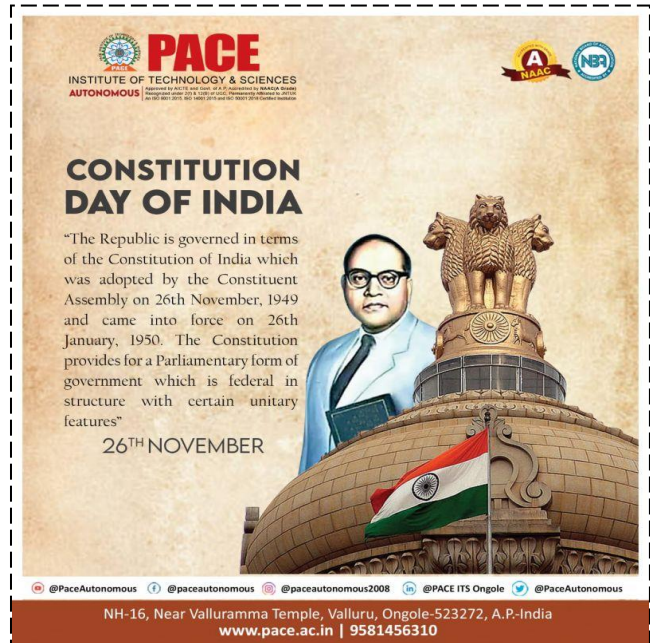
NATIONAL SERVICE SCHEME (NSS)

Unit Code: 902141201A & 902141209I



CONSTITUTION DAY (INDIA)/ SAMVIDHAN DIVAS/NATIONAL LAW DAY

PACE Institute of Technology and Sciences' NSS Unit commemorated Constitution Day (Samvidhan Divas/National Law Day) on November 26, 2024, with a ceremony on campus. The event served as a solemn reaffirmation of the foundational principles of justice, liberty, equality, and fraternity enshrined in the Indian Constitution. Students participated in a pledge ceremony, underscoring PACE', commitment to cultivating responsible citizenship and national pride among its students. The occasion served as a tribute to Dr. B.R. Ambedkar's visionary leadership and the Constituent Assembly's dedication in forging the modern Indian nation. The event concluded with expressions of appreciation from Dr. Maddisetty Sridhar, College Secretary and Correspondent; Dr. G.V.K. Murthy, Principal; Dr. C.V. Subba Rao, Dean of Academics; and Dr. R. Veeranjanyulu, Dean of Students' Affairs, to the participating students and staff for their contributions to this significant commemoration.

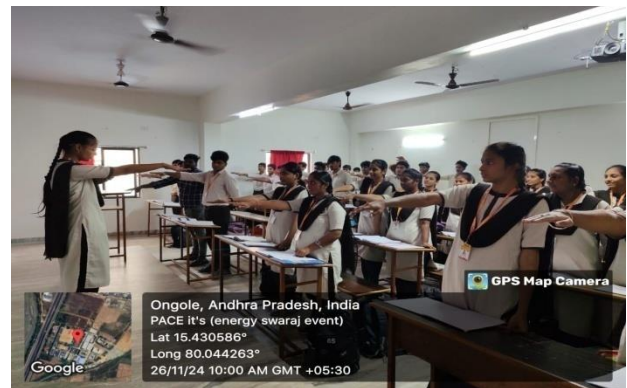


Staff and Students participated in a pledge ceremony

Staff and Students participated in a pledge ceremony

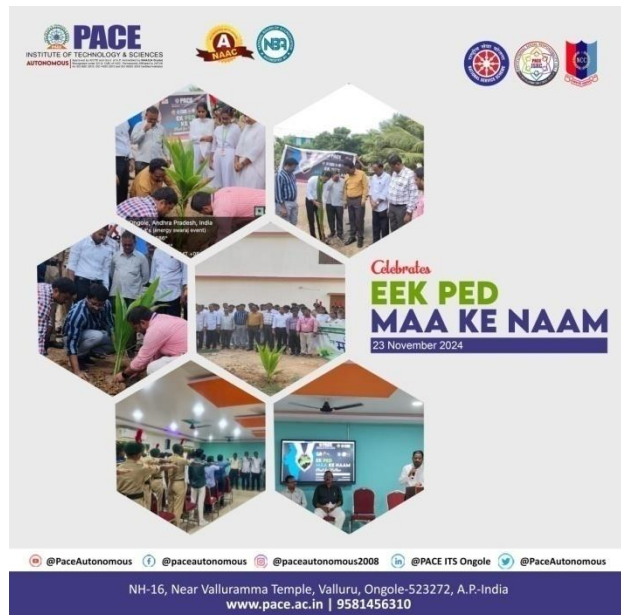


Staff and Students participated in a pledge ceremony



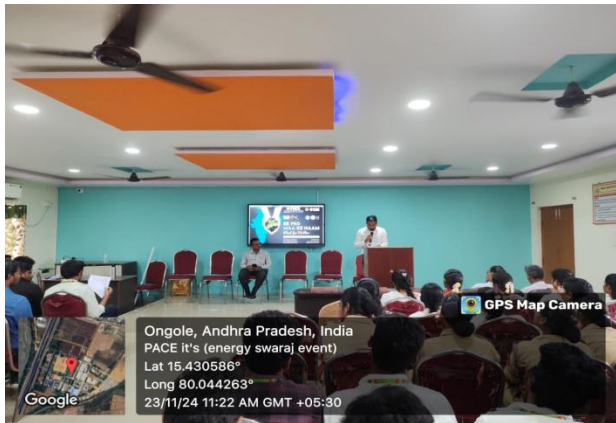
EK PED MAA KE NAAM-PLANT FOR MOTHER

The PACE Institute of Technology & Sciences NSS Unit, in collaboration with Nehru Yuva Kendra (a Ministry of Youth Affairs and Sports autonomous organization), executed a significant environmental initiative, "Ek Ped Maa Ke Naam-Plant for Mother," on November 23, 2024. This mass tree-planting drive, echoing Prime Minister Mr. Narendra Modi's World Environment Day 2024 call to action, involved the planting of saplings - symbolically representing filial devotion and environmental stewardship-on the college campus. The event's success was acknowledged through



commendations from Dr. Maddisetty Sridhar, College Secretary and Correspondent; Dr. G.V.K. Murthy, Principal; Dr. C.V. Subba Rao, Dean of Academics; Dr. R. Veeranjanyulu, Dean of Students' Affairs; and Mr. Kamal Sa, District Youth Officer, Nehru Yuva Kendra, Prakasam District. These dignitaries expressed their appreciation to the participating faculty and students for their collective contribution to this impactful environmental Endeavour. The seamless execution of the event was a testament to the meticulous planning and coordination of Dr. M. Mallikarjuna Rao (NSS Program Officer) and Mr. B. Suresh Kumar.





Mega tree-plantation drive by PACE Officials





GOVERNMENT OF INDIA
MINISTRY OF YOUTH AFFAIRS & SPORTS
NEHRU YUVA KENDRA : SRIKAKULAM (A.P.)

Pledge - # Plant4Mother




I Pledge to plant at least one tree in my mother's name under the campaign launched by Hon'ble Prime Minister on the occasion of World Environment Day.

I also pledge that I will inspire other people to protect the environment.

I also request the citizens of other countries of the world to plant at least one tree for our Mother Earth.

Jai Hind, Jai Bharat



నెహ్రూ యువ కేంద్ర విజయనగరం (ఆంధ్ర)
యువజన వ్యవహారములు మరియు క్రీడల మంత్రిత్వ శాఖ, భారత ప్రభుత్వం
ప్రతిజ్ఞ

> మన దేశంలో, ముఖ్యంగా యువతలో మాదకద్రవ్యాల దుర్వినియోగం పెరుగుతోందని మరియు ఇది ఆందోళన కలిగించే విషయమని మేము గ్రహించాము.

> మాదక ద్రవ్యాల దుర్వినియోగాన్ని అరికట్టేందుకు సహకరిస్తామని ప్రతిజ్ఞ చేస్తున్నాం.

> మేము ఎటువంటి ప్రయోజనం కోసం ఏ విధంగానూ హానికరమైన లేదా చట్టవిరుద్ధమైన మందులను వినియోగించబోమని హామీ ఇస్తున్నాము.

> ప్రతి వ్యక్తినీ, ముఖ్యంగా యువతను ప్రోత్సహించడం ద్వారా మాదకద్రవ్యాల దుర్వినియోగం యొక్క దుష్ప్రభావాల గురించి మేము అవగాహన కల్పిస్తాము, తద్వారా భారతదేశంలోని యువత మాదకద్రవ్యాల రహితంగా జీవించగలరు మరియు వారు సమాజంలో సృజనాత్మక మరియు ముఖ్యమైన సభ్యులుగా మారవచ్చు.

> ద్రగ్గు, దూరంగా ఉంటూ ఆరోగ్యవంతమైన జీవితాన్ని గడుపుతామని ఈరోజు ప్రతిజ్ఞ చేస్తున్నాం



Staff and Students participated in a pledge ceremony



INSTITUTIONAL SOCIAL RESPONSIBILITY CELL



AN AWARENESS CAMP

PACE Institute of Engineering and Technology hosted an Aspire awareness program in collaboration with Canara Bank's Ongole regional office. The Canara Bank representatives provided comprehensive information to students regarding account opening procedures, associated benefits, and educational loan options—including those for international study. Furthermore, the presentation detailed the process for course registration and highlighted the provision of two complimentary courses to new account holders. The presentation encouraged attendees to open zero-balance accounts at their nearest branch. Mr. M. Lakshminarayana, Regional Director of the Canara Bank, Ongole, delivered a keynote address, providing historical context and operational insights into the institution. The program concluded with expressions of appreciation from Dr. Maddisetty Sridhar, College Secretary and Correspondent; Dr. G.V.K. Murthy, Principal; Dr. C.V. Subba Rao, Dean of Academics; Dr. R. Veeranjanyulu, Dean of Students' Affairs; and Mr. M. Lakshminarayana, the regional director of the Canara Bank, Ongole. These dignitaries lauded the participation and engagement of both faculty and students.



Canara Bank Officials addressing the students





Canara Bank Officials addressing the students

WOMEN EMPOWERMENT CELL

On November 9th, 2024, the Women Empowerment Cell at PACE Engineering College hosted a seminar titled "Inspiring Confidence: Legal Rights for Every Girl," targeting female students from the second, third, and fourth years. Distinguished AP High Court advocates, Ms. Deepa Latha and Mr. Suresh Babu, served as guest

**An awareness on
INSPIRING CONFIDENCE
LEGAL RIGHTS FOR EVERY GIRL**

Date : **09th** November 2024
Venue : Mechanical Seminar Hall

RESOURCE PERSON
MRS. M.H. DEEPA LATHA
M.A., LL.M.,
Advocate in A.P. High Court &
Supreme Court, Delhi

RESOURCE PERSON
MR. CH.SURESH BABU
B.A., LL.B.,
Advocate in A.P. High Court

CONVENOR
Mrs. Vaishnavi N
Asst. Professor-ECE

CO-CONVENOR
Mrs. K.Jeevana
Asst. Professor-EEE

CO-ORDINATOR
Mrs. J.Pavitra
Asst. Professor-AI&DS

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NH-16, Near Valluramma Temple, Valluru, Ongole-523272, A.P.-India
www.pace.ac.in | 9581456310

Organised By **WEC**

speakers. Their presentation emphasized the empowering effect of legal knowledge, highlighting how awareness of rights fosters self-advocacy and bolsters confidence in navigating social and legal challenges. Ms. Deepa Latha underscored the importance of women understanding their constitutional rights to overcome societal obstacles and achieve personal growth. Mr. Suresh Babu stressed the importance of courage and assertiveness in facing any situation. The seminar was well-attended, with participation from College Secretary and Correspondent Dr. Maddisetty Sridhar, Principal Dr. GVK Murthy, Academic Dean Dr. CV Subba Rao, Dean of Training and Placements Ms. Roopa Akkesh, Dean of Students' Affairs Dr. Veeranjanyulu, Mr. Ramana Babu (AO), Women Empowerment Convener Ms. Vaishnavi, and a significant number of female students and staff from the PACE ITS, college, its Polytechnic college and MBA program.



ACE officials honored Ms. Deepa Latha and Mr. Suresh Babu, who served as guest speakers.



Ms. Latha addressing the students

PHYSICAL EDUCATION – SPORTS & GAMES

PACE STUDENTS SHINE IN INTER-COLLEGE SPORTS

PACE Institute of Technology and Sciences celebrates the athletic achievements of two students at the recent JNTUK Inter-College competitions. P. Abraham Nixon (third-year student) won gold in the 62 kg boxing category at RK Engineering College, and M. Kavya (CSE department) secured gold in the 55 kg weightlifting category at St. Ann's Engineering College. A college assembly honoring their victories included congratulations from College Secretary and Correspondent Dr. Maddisetty Sridhar, who emphasized the holistic value of sports participation. Principal Dr. GVK Murthy, Dean of Academics Dr. CV Subba Rao, Dean of Students' Affairs Dr. R. Veeranjanyulu, Dean of Placements Ms. Roopa Akkesh, Polytechnic College Principal Mr. G. Kotireddy, Heads Dr. Sudhir Chakravarthy and Dr. S. Giribabu, physical directors, Mr. I Madhusudhana Rao, Mr. V. Raju and faculty were also in attendance.



Dr. Sridhar appreciates P. Abraham Nixon And M. Kavya



PACE'S STUDENT IN SOUTH ZONE INTER-UNIVERSITY COMPETITIONS

D. Kaveri, a second-year CSE student at PACE Institute of Technology and Sciences, will represent JNTUK in the South Zone Inter-University Women's Kabaddi Championship at Alagappa University, Chennai (November 29–December 2, 2024). This prestigious selection follows Kaveri's outstanding performance in recent competitions at Rise Engineering College, demonstrating exceptional skill and athletic prowess. College Secretary and Correspondent Dr. Maddisetty Sridhar, Principal Dr. GVK Murthy, Dean of Students' Affairs Dr. R. Veeranjanyulu, Dean of Academics Dr. C.V. Subba Rao, Dean of Training and Placements Ms. K. Roopa Akkesh, and Head of the Department of CSE Dr. Giribabu, along with the faculty, heartily congratulated Kaveri and awarded her a Rs. 5,000 cash prize to support her participation. Her selection reflects the college's commitment to fostering excellence in both academics and extracurricular pursuits.



NATIONAL CADET CORPS (NCC)

E-BIKE RALLY

On November 19, 2024, the National Cadet Corps (NCC) cadets of PACE Institute of Technology and Sciences, participated in a noteworthy **E-BIKE** rally campaign for community cleanliness and hygiene in Ongole, at Prakasam Bhavan. The event coincided with the 244th Anniversary of the NCC and the silver jubilee of the Kargil War victory, highlighting the cadets' service commitment. Their participation of NCC Cadets of PACE made a significant impact, notably with their involvement in a display with the Madras Engineering Group. The spirited procession commenced at the college and culminated at the Collectorate, showcasing the cadets' commitment to environmental consciousness and civic engagement. The event served as a poignant tribute to the unwavering valor and selfless sacrifices of India's armed forces. College Secretary and Correspondent, Dr. Maddisetty Sridhar, delivered an address emphasizing the enduring legacy of these courageous servicemen and women, their contributions forever etched in the nation's memory. The event was graced by the presence of Principal Dr. GVK Murthy, Dean of Academics Dr. CV. Subba Rao, Dean of Students' Affairs Dr. R. Veeranjanyulu, and ANO Lieutenant Dr. Prudhvi Krishna, along with other distinguished guests. The rally, a testament to the synergistic collaboration between the college and the Madras Engineer Group, underscored the institution's steadfast dedication to fostering patriotism and civic responsibility among its students.





THE BEST NCC CADET RECOGNITION

At a ceremony commemorating NCC Day at the Guntur Group Headquarters, Shiva Narayana Kunduru, a distinguished fourth-year student of Pace Institute of Technology and Sciences and a senior non-commissioned officer within the 34th (Andhra) Battalion, received the prestigious accolade of "Best Cadet." This commendation, bestowed by Guntur Group Commander Colonel S. M. Chandra Shekhar and 34th (Andhra) Battalion Commanding Officer Lt. Col. Mohan, recognized Shiva's exceptional aptitude and exemplary performance throughout his rigorous training. College Secretary and Correspondent, Dr. Maddisetty Sridhar, delivered remarks emphasizing the pivotal role of NCC training in fostering holistic student development, cultivating leadership qualities, and promoting discipline. Dr. G.V.K. Murthy, Principal; Dr. R. Veeranjanyulu, Dean of Students' Affairs; Dr. C. V. Subba Rao, Dean of Academics; and Lt. Dr. A. Prudhvi Krishna, the College NCC Officer, joined in extending their felicitations to the deserving recipient. The event served as a powerful testament to the enduring value of the NCC program in nurturing well-rounded individuals prepared for future challenges.





CHAIRMAN

Dr. M. Venugopal Rao



SECRETARY & CORRESPONDENT

Dr. M. Sridhar



PRINCIPAL

Dr. G. V. K. Murthy

THANK YOU

Honorary Advisors

Dr. G. V. K. Murthy, Principal

Chief Editor

Mr. Ratna Raju Chegudi

*Assistant Professor & Softskills Trainer
Training and Placements Cell*