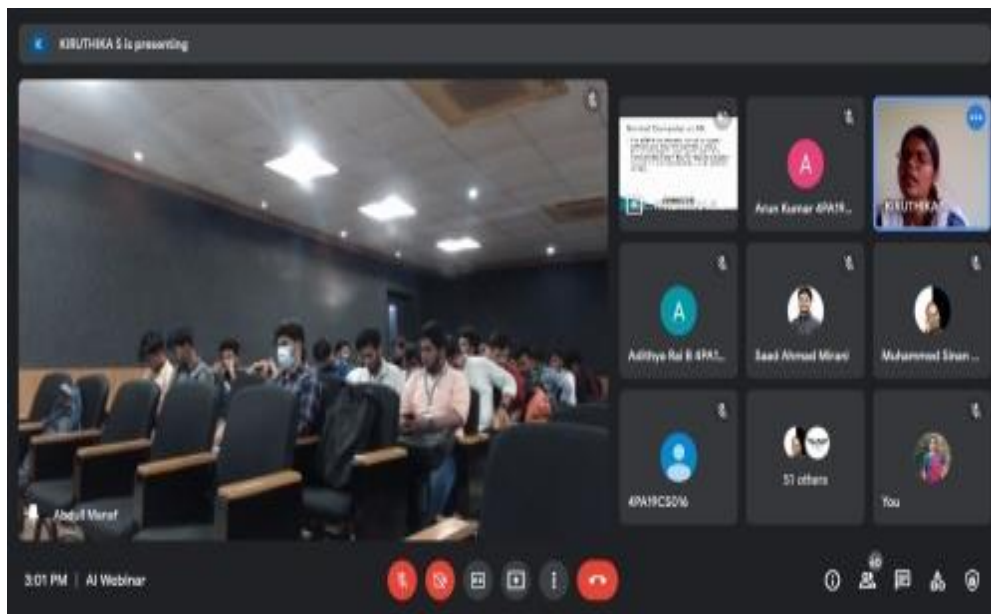


A SESSION ON “Artificial Intelligence and Data Science

A webinar on “Artificial Intelligence and Data Science” was organized by, IEEE student branch of P. A. College of Engineering, Mangalore and St. Joseph College of Engineering, Chennai, on 30th May, 2022, at 2:00 pm. The webinar was held in hybrid mode and the event witnessed the participation of more than 150 students from both the colleges.

The program started as per the schedule. Mrs. Anisha 3rd year CSE mastered the ceremony, and the welcome speech and introduction of the guest was done by the student of other college. The speaker of the session was Ms. Kiruthika, founder and CEO of StepUp. She provided students with the insight on artificial intelligence and data science. She elaborated on how AI systems are designed to augment human capabilities, enabling better decision-making, problem-solving, and innovation. She explained how data science has driven innovation by uncovering new opportunities and enabling the development of data-driven products and services. She explained its merits, demerits. The session was interactive and the students were truly benefitted.

Outcome of the program: - Students understood how AI has led to significant improvements in efficiency and productivity across various industries by automating tasks and optimizing processes.



SESSION ON “ Entrepreneurial Potentials in Nano Technology”

Name of the Program : Entrepreneurial Potentials in Nano
Technology Date : 30-5-2022

Mode of Conduction : Offline

Venue : Multi-purpose Hall

Name of the Resource person : Dr. Shareefraju J. Ukkund, Assistant Professor
in the Department of Nanotechnology,
Srinivas Institute of Technology,
Mangalore

No. of participants : 105

Description :

A technical talk was conducted on 30th May 2022 by Biotech-PACE Forum, P. A. College of Engineering, Mangaluru in association with Dept. of Electronics, IT, BT and S&T, Govt. of Karnataka, K-tech Innovation Hub, Bangalore. Dr. Shareefraju J. Ukkund, Assistant Professor in the Department of Nanotechnology, Srinivas Institute of Technology, Mangalore, Karnataka, India, as a resource person explained the entrepreneurial potentials in advance nanotechnology. Total of 110 participants have registered for the program. At the end of the program students were able to understand the synthesis of nanoparticles, and able to comprehend the interdisciplinary and multidisciplinary aspects of nano technology.



Student awareness program on What next after BE Biotechnology

Name of the program : Student awareness program on What next after BE
Biotechnology

Name of the resource person: Ms. Yashaswini Assistant Professor, Department of
Biotechnology, P. A.College of Engineering, Karnataka

Date : 27-05-2022

Time : 2:00 PM

No. of participants : 50

BIOTRENDZ 2022, student awareness program was conducted on 27th May 2022 by Biotech-PACE Forum, P. A. College of Engineering, Mangalore in association with Dept. of Electronics, IT, BT and S&T, Govt. of Karnataka, K-tech Innovation Hub, Bangalore. Ms. Yashaswini BM, Assistant Professor, Department of Biotechnology, P. A. College of Engineering, Karnataka, India, as a resource person explained career options for engineering graduates. Total of 50 participants have registered for the program. At the end of the program students were able to understand the career opportunities in the field of Biotechnology, comprehend the interdisciplinary and multidisciplinary aspects of Biotechnology, and to acquaint themselves with various options for higher studies.

Programme outcome: students got awareness about biotechnology higher studies and job opportunities after BE in Biotechnology



Photo of the program” Student awareness program on What next after Biotechnology” held at 27/05/2022 by Ms. Yashaswini, Asst.Professor Department of BT

PROGRAMME REPORT

Name of the program : Career Opportunities in Merchant Navy

Name of the resource person: Mr. Rajmohan Dean L Institute of Nautical Science,
Madurai

Date : 19-05-2022

Time : 3:00 PM

No. of participant : 55

The Mechanical Engineering Association (MEA) and Training & Placement Cell in association with Indian Society for Technical Education (ISTE) have organized an invited talk on ‘Career Opportunities in Merchant Navy’ on Thursday, 19th May 2022 in the multi- purpose hall. Mr. Raj Mohan M, Dean, R.L. Institute of Nautical Sciences, Madurai, was the resource person for the program. The resource person explained how merchant navy could be an attractive career option and the career prospects at sea for the mechanical and electrical engineers. He compared the career prospects for a mechanical/electrical engineer and a marine engineer in terms of job position, age limits and monetary benefits. He also stressed the requirements a mechanical/electrical engineer has to satisfy to excel in the area of merchant navy. Mechanical and electrical engineering students were the target audience. Dr. Prashanth Pai M, HOD – Mechanical Engineering, welcomed the gathering. Dr. Ramis M K, Principal, PACE gave the presidential remarks. Prof. Mohammed Hussain, Training & Placement Officer, Prof. John Valder, HOD of EEE, teaching and non-teaching faculty members of the mechanical and electrical engineering departments were present during the occasion. The President of MEA, Mr. Mifthah Jenna compered the program. Prof. Maruthi Prashanth B H, the ISTE coordinator, proposed the vote of thanks.



Photo of the program” Career Opportunities in Merchant Navy” held at 19/05/2022 by Mr. Raj Mohan Dean L Institute of Nautical Science, Madurai

SESSION ON “How to Incubate Student Ideas”

Name of the Program	: How to Incubate Student
Ideas Date	: 26.05.2022
Mode of Conduction	: Offline
Venue	: Multi-purpose Hall
Name of the Resource person	: Dr. Krishna Prasad N, District Innovation College of Engineering, Karnataka,
No. of participants	: 109

Description :

A technical talk was conducted on 26th May 2022 by Biotech-PACE Forum, P. A. College of Engineering, Mangaluru in association with Dept. of Electronics, IT, BT and S&T, Govt. of Karnataka, K-tech Innovation Hub, Bangalore. Dr. Krishna Prasad N, District Innovation College of Engineering, Karnataka, India, as a resource person explained on how student’s ideas can be incubated to minimum viable product. He highlighted the graduating students at the Institute to take up entrepreneurship after completing their graduate program. Total of 114 participants have registered for the program. At the end of the program students were able to identify niche area, generate potential idea, collaborate with others, and present technical and market solution to the project implementation.



Orphanage support and electrical maintenance assistance

Name of the program: Orphanage support and electrical maintenance assistance - an outreach program to the Orphanage,

Date: 08/04/2022

Number of NSS

Volunteers:20 Place:

Kuntikana, Mangalore

PACE, Mangalore, Department of Information Technology and National Service Scheme has conducted " " Embracing Hope: A Visit and Contributions to the Orphanage on 30.12.2020 at SAMVEDANA Orphanage, Kuntikana, Mangalore. Because of the pandemic situation, we mechanical department faculty members came forward and contributed money for purchasing groceries for the child orphanage home.

Our team embarked on a visit to Kuntikana Orphanage to make a positive impact on the lives of the children residing there. The visit was planned to include both a physical presence at the orphanage and the donation of essential items to contribute to the children's well-being.

Visit Highlights:

Warm Reception: Upon arrival, our team was warmly welcomed by the staff and children of the orphanage. The atmosphere was filled with enthusiasm and anticipation.

Interaction with Children: Meaningful interactions were initiated with the children, allowing us to understand their daily lives, interests, and aspirations. Engaging activities such as games, storytelling, and art sessions were organized to foster a sense of joy and connection. Meaningful interactions were initiated with the children, allowing us to understand their daily lives, interests, and aspirations. Engaging activities such as games, storytelling, and art sessions were organized to foster a sense of joy and connectio

Facility Tour and electrical maintenance support:

A comprehensive tour of the orphanage premises was conducted to better understand the living conditions, educational facilities, and recreational spaces available to the children.

Contribution Highlights:

Material Donations: Our team contributed a variety of essential items, including clothing, school supplies, toiletries, and recreational materials. These items were carefully selected to address the immediate needs and enhance the overall quality of life for the children

Financial Support: In addition to material donations, a financial contribution was made to assist with the orphanage's ongoing operational expenses and specific needs identified during the visit.

Collaborative Projects: Plans for future collaboration, such as educational workshops, mentorship programs, and infrastructure improvement projects, were discussed with the orphanage staff to ensure a sustained positive impact.

Impact Assessment: Improved Well-being: The material donations were met with expressions of gratitude from the orphanage staff and children, enhancing their daily lives and addressing immediate needs.

Positive Atmosphere: The interactive sessions and activities contributed to creating a positive and uplifting atmosphere within the orphanage, fostering a sense of community and support.

Conclusion: The visit to Orphanage was a fulfilling and enriching experience for our team. Through our contributions and interactions, we aimed to bring joy, support, and a sense of community to the lives of the orphaned children. The commitment to future collaborations reflects our dedication to making a lasting impact on their well-being.



Orphanage support and electrical maintenance Assistance

Introduction of Civil Engineering software & Their Application in Real Time Civil Engineering Projects

Name of the Program : Introduction of Civil Engineering software & Their Application in Real Time Civil Engineering Projects

Name of the Resource Person: Mr. Shrinivas Reddy

Date :28 /04/2022

Time : 11:00 AM

No of participants : 110

The Civil Engineering Department of P. A. College of Engineering organized a Webinar on “Introduction of Civil Engineering software & Their Application in Real Time Civil Engineering Projects” to emphasize the need for software in civil engineering practices and align the students skills required for the current industrial requirements. The event was organized by IEI (Institute of Engineer) Students Chapter and FORCE (Fraternity of Rising Civil Engineers). The program was held on 28th April 2022 at Multi- Purpose Hall, P.A College of Engineering. Srinivas Reddy B. Tech., Civil, AT AU, Structural Engineer in MH CEO & Founder of Bhavanams C2c was the resource person. The speaker emphasized on the practical aspects, challenges, and use of specific software in day today life in the field of civil engineering like Planning, Analysis and Design of Civil Engineering Structures. He also emphasized on the latest Software used for construction, Planning, Design and Analysis.

The Chief Guest of the program Dr. Ramis M. K., Principal, PACE, emphasized the importance of software and their application in the field of civil engineering. Dr. Palakshappa K. Professor & Head of Civil Engineering, advised the students to learn and update about the latest software by organizing value added courses in the department and to be industry ready.

Programme outcome: This program aimed to aware about the essential skills in utilizing industry standard software tools such as AutoCAD, Revit, SAP2000, and ETABS.

Session on Resume Building

Date: 02-03-2022

Time: 09:30 am - 12:30 pm

Venue: Classroom

Program: Special Session on Resume Building

The Department of Training & Placement organized Communication skill training session on 02-03-2022, from 09:30 am to 12:30 pm, through resource person Mr. Faizal to assist them in campus hiring for I and II year engineering students. He taught the difference between CV and Resume and shared his knowledge on how to build a Professional Resume. A total of 60 Students participated in this program.





A SESSION ON” Provisional Patent Rights”

SUMMARY REPORT

Name of the Program : Intellectual Property Right
Date : 6-03-2023
Mode of Conduction : Offline
Venue : E-Learning Centre
Name of the Resource person: Dr. Syed Abdul Hayan, Associate professor, PACE
No. of participants ; 150 students

Description

In this session, Dr. Syed Abdulhayan emphasized the need and scope of this workshop... He trained the participants about the mechanism of accessing and using IPR information for further research and development in new products and their use in business development. He carried out discussions on the economic benefits of IP protection, as well as the potential negative impacts of infringement on businesses, innovators, and creators.

He elaborated on provisional patent application (PPA) is and its role in securing intellectual property rights. He explained about Best practices on the timing of filing a PPA in relation to the development and marketing of the invention.

Program Outcome: - Students understood how to draft a provisional patent application, with sample applications and templates. They understood the Best practices for maintaining records of the invention process and documentation to support the PPA.



Awareness program on Energy Conservation

Event: Awareness program on Energy Conservation

Date : March 10th, 2022

Time: 10.00 A.M

Venue: Nadupadavu

Karnataka Renewable Energy Development Ltd. in association with N.S.S of P. A. College of Engg. Conducted an Awareness program on Energy Conservation on March 10th, 2022. A march was flagged off by Dr. Abdul Sharief, Principal PACE, to raise awareness among the students and public regarding the conservation of energy. Dr. Surfraz Hashim, Director of Academics PAET, and Vice Principal Dr. Rameez M.K. were also present for the event. Dr. S Abdul Rahiman, HOD EC, Dr. Palakshappa, HOD CIVIL, and Prof. John Valder, HOD EEE acquainted the students with information about saving energy. N.S.S officer Prof. Ismail S, Prof Ismail Shaffi, Prof. Majeed, Prof CV Pujar, and Physical Director Mr. Iqbal organized the program. Prof. Mitra compered the program started with a prayer by a group of students.

EVENT OUTCOME

Increased energy efficiency

Pubic gain knowledge about energy–saving practices and it will help to reduce energy consumption, leading to cost-saving and decreased environmental impact

Behavioral changes

It will help the public to adopt energy-efficient habits in daily life

Renewable energy adoption

It creates an awareness and encourages the use of clean and sustainable energy alternatives, reducing reliance on fossil fuels

Environmental conservation

The public understands the environmental impact of energy consumption and it brings positive impacts like lower carbon emissions, reduced pollution, and preservation of natural resources



Awareness program on energy conservation

Health and Fitness Program

Date: 17-03-2022

Time: 09:30 – 10:30 am

Venue: Auditorium

Program: Health and Fitness Program

The Department of Physical Education, in association with PACE National Service Scheme (NSS), of P.A College of Engineering organized the Health and Fitness Program on March 17, 2022, at PACE Auditorium. Dr. M. K. Ramis, Principal PACE, was the Chief Guest. He emphasized the importance of preserving health, through proper lifestyle and exercise. Dr. Sayyed Ameen Ahammed, Dean (SA), who was the guest of honor spoke about the value of yoga in preserving a person's health. Dr. Iqbal, Director of Physical Education, and Mr. Ibrahim, Physical Director, were present during the program. The formal program was followed by yoga performances by students of PACE, under the guidance of Dr. Iqbal & Mr. Ibrahim. A total of 18 students participated in this program.





The Next Step Webinar – Leadership Skills

Date: 21-03-2022

Time: 02:00 - 04:00 pm

Venue: Multipurpose Hall

Program: THE NEXT STEP Webinar –Session on Leadership skills

To promote higher education among the students and focusing international job opportunities, Centre for Professional and Organization Development (CPOD) organized THE NEXT STEP webinar for the students of Computer Science Engineering in PACE campus multipurpose hall. Students learned about leadership skills. A total of 63 students participated in this training program

The event was felicitated by our beloved Principal Dr. Ramis M k, motivated our students to look forward for higher education opportunities abroad to enhance their knowledge and skills. Our Principal invited the guest speaker Mr. Prithvi Ichangimath who has completed his Masters from University of Chicago and is currently working as a Senior Data Engineer - Meta in the - Real Estate Science, Seattle, Washington. He gave a friendly talk with the students on adopting change and flexibility in their Professional and personal life for the growth and success.





Training on soft skills and leveraging social media

Name of the program : Training on soft skills and leveraging social media

Name of the resource team : Mr. Sachin R Chandra, presently serving as Assistant
Professor in the Department of Commerce at Manipal
Academy of Higher Education

Date : 04-02-2022

Time : 10 AM

No. of participant : 85

An invited talk on “Training on soft skills and leveraging social media” was organized on 04th February, 2022 by Centre for Management Studies and Research, P.A College of Engineering Mangalore. The session was conducted with the objective of developing the soft skills necessary for enhancing employability and entrepreneurial abilities of the students. Mr. Sachin R Chandra, presently serving as Assistant Professor in the Department of Commerce at Manipal Academy of Higher Education was the resource person. Dr. Sayyed Ameen Ahmed, Director, Centre for Management Studies and Research, PACE addressed the students and put forward how social Medias have influenced people in their day-to-day life. The resource person Mr. Sachin R Chandra described the key attributes of soft skills including, attitude, confidence, communication, body language and attire with very good examples and analogies.

Programme outcome: Students got awareness about key attributes of soft skills including, attitude, confidence, communication, body language and attire with very good examples and analogies and how social media can be best utilized to enhance employability and urged all students to create a LinkedIn account which connects world’s professionals and helps to find right job or internship.



Photo of the program “Training on soft skills and leveraging social media” held at 04/02/2022 by Mr. Sachin R Chandra

Science exhibition at Govt. PU College, Uppinangadi

Event: Science exhibition at Govt. PU College, Uppinangadi

Date: 28-2-2022

Time: 9.30 A.M

Venue: Govt. PU College, Uppinangadi.

DESCRIPTION

The science exhibition, titled "Exploring Wonders: A Journey into Science," Science exhibition was organized for school students on 28/02/22 at Govt. PU school Uppinangadi. The event aimed to foster a spirit of curiosity, scientific inquiry, and innovation among students. It provided an opportunity for participants to showcase their scientific projects and engage in interactive learning experiences

The following are the key objectives:

Encourage the students to explore scientific concepts beyond the classroom.

Developing student's research and presentation skills promote a passion for science and technology among students

PROGRAM OUTCOMES

- Enhanced scientific knowledge

Students demonstrated a deeper understanding of scientific concepts and principles through their projects and presentations.

- Skill development

Participants honed their research, communication, and critical thinking skills. Motivation for further studies. The exhibition sparked an interest in science and technology careers, motivating students to pursue further studies in related fields.



Science exhibition at Govt. PU College

Waste Disposal Activity.

Event: Waste Disposal Activity.

Time: 10.00 A.M

Venue: Mudipu.

DESCRIPTION

The NSS Unit of PACE organized a noble initiative Waste Disposal Activity at Mudipu Village on the 22nd January 2022. With a team of 15 enthusiastic NSS volunteers, the event aimed to make an activity to protect our environment from pollution and contamination and repair and reduce the damage caused by pollution.

It's important to note that waste disposal activities should be carried out in compliance with local, national, and international regulations to ensure proper environmental protection and human safety

ACTIVITIES:

On the morning of January 22nd, the NSS volunteers gathered at the designated meeting point on the back side of Mudipu. The team leader commenced the event by briefing the participants about the objective of the program, emphasizing the significance of their collective waste disposal

Apart from the Awareness program on waste disposal, the event also included an interactive session on waste disposal. Mr. Chethan delivered an informative talk on the importance of Waste Disposal Activity at Mudipu Village. He also highlighted that effective waste disposal is crucial for maintaining a clean and healthy environment.

Improper waste management can lead to environmental pollution, health hazards, and the depletion of natural resources.

PROGRAM OUTCOMES

- Environmental awareness:

Increase awareness among public about the importance of maintaining a clean and green environment, fostering a sense of responsibility towards nature.

- Waste reduction:

Collect and properly dispose of waste materials, contributing to waste reduction and promoting responsible waste management practices.

- Litter-free village:

Achieve a litter-free village through organized clean-up activities, instilling a sense of cleanliness and hygiene among public

- Environmental protection:

Reduced pollution and environmental degradation Preservation of ecosystems and biodiversity

- Public health improvement:

Prevention of the spread diseases through proper waste management





Waste Disposal Activity at Mudippu village

EVENT REPORT

Name of the program: Awareness program on security and risk of cyberspace for school students

Date: 13/12/2021

Number of NSS Volunteers: 15

Place: KGN PU College Mithur.

DESCRIPTION

Cyber security is of increasing importance due to the rise in reliance on digital equipment and programs to manage our daily lives, including the transmission and storage of personal information. Research studies establish that an effective security awareness program is one of the most important steps toward increasing cyber security.

This session aimed to exchange experiences and expertise on cyber security awareness by having different awareness campaign projects, materials, and toolkits. The speaker representatives discussed challenges, best practices, and lessons learned from the perspective of their respective region and/or organization. The session was moderated by Dr. Abdul Rahman. Mrs. Chandana B.R. further explained the dos and don'ts to avoid risks in cyberspace.

Dos & Don'ts in Email

- Do check the URL before clicking any link sent via email.
- Report all suspicious activity and cyber incidents to the competent authority.
- Official E-mail account should be used for official purposes only.
- Official E-mail should not be forwarded to personal E-mail accounts.

Use of Password

- Always follow the password policy for creating passwords to avoid the risks involved.
- Do use hard-to-guess passwords or passphrases. A password should have a minimum of 10
- Characters using uppercase letters, lowercase letters, numbers, and special characters
- Do change the password at regular intervals.

- Do use different passwords for different accounts.
- Do keep your passwords or passphrases confidential.
- Do change the password immediately if it is suspected to have been disclosed/compromised and a security incident shall be reported to the competent authority.

Computer / Laptop

- Do lock your computer and laptop when not in use.
- Do keep all devices, such as laptops and computers physically secured.
- If a device is lost or stolen, report it immediately to the competent authority.
- Antivirus software should be installed on the computer and it should be kept updated.
- Don't install unauthorized programs on your work computer/laptop. It included training on skills such as the use of smartphones as part of their business from Keling up e-commerce listing

PROGRAM OUTCOMES

CYBER SECURITY KNOWLEDGE

Increased understanding of basic cybersecurity concepts and principles and awareness of common online threats and risks.

SAFE ONLINE BEHAVIOUR

Adoption of safe and responsible online practices and implementations of privacy settings on social media and other online platforms.



Awareness Program on security and risks of
Cyber space for school students

**Importance of Practical Learning and Exposure in Civil
Engineering”**

Name of the program : Importance of Practical Learning and Exposure in Civil
Engineering”

Name of the resource person: Er. Nagaraj Keladi Gundajois

Date : 14/12/2021

Time : 11:00 AM

No. of participant : 110

Department of Civil Engineering, FORCE, IEI & ISTE Chapter, PACE Mangalore, organized a webinar on the topic “Importance of Practical Learning & Exposure in Civil Engineering.” Er. Nagaraj Keladi Gundajois, Project Director, Larsen & Toubro Conglomerate B&F IC, Bangalore was the resource person. The speaker emphasized on the practical aspects, challenges, and use of modern technology in the field of civil engineering like Planning, Analysis and Design of Civil Engineering Structures. He also emphasized on the latest equipment’s used for construction of high-rise buildings, tunnels, etc. He also briefed about various software’s used in the Planning, Analysis, Design, Construction, Management and Maintenance of civil engineering structures. Dr. Palakshappa K, HOD, Civil Engineering accentuated the importance of organizing and conducting webinars and seminars for the benefit of students to update the latest trends in civil engineering to fill the curriculum gap.

Programme outcome: This program is aimed on the awareness about the critical importance of the practical learning and exposure to real-world applications. Hands on experience enables students to apply theoretical knowledge to practical scenario, helping to solve the problems and enhance skills.

Entrepreneurship Skill Development Program

Name of the Resource person: Habeeb UR Rahman

Total no. of participants : 170

Date : 13/12/2021

This Entrepreneur Skill Development Program taken by Habeeb UR Rahman Asst.professor P.A college of Engineering for Bulb Making was designed to equip participants with both the technical expertise and entrepreneurial acumen necessary to succeed in the bulb manufacturing industry. The program integrated theoretical knowledge with hands-on practical sessions. Participants gained a thorough understanding of bulb manufacturing processes, including production techniques, quality control measures, and safety protocols. Beyond technical skills, the program emphasized entrepreneurial competencies such as business planning, marketing strategies tailored to bulb products, and financial management specific to manufacturing ventures.

Programme outcome: The Entrepreneur Skill Development Program for Bulb Making aimed to empower students to become successful entrepreneurs in the competitive bulb manufacturing industry.



Photo of the program “Entrepreneurship Skill Development Program” held at 13/12/2021 by Prof.Habeeb U R Rahman

RPI using UiPath Technology

Date: 17-12-2021

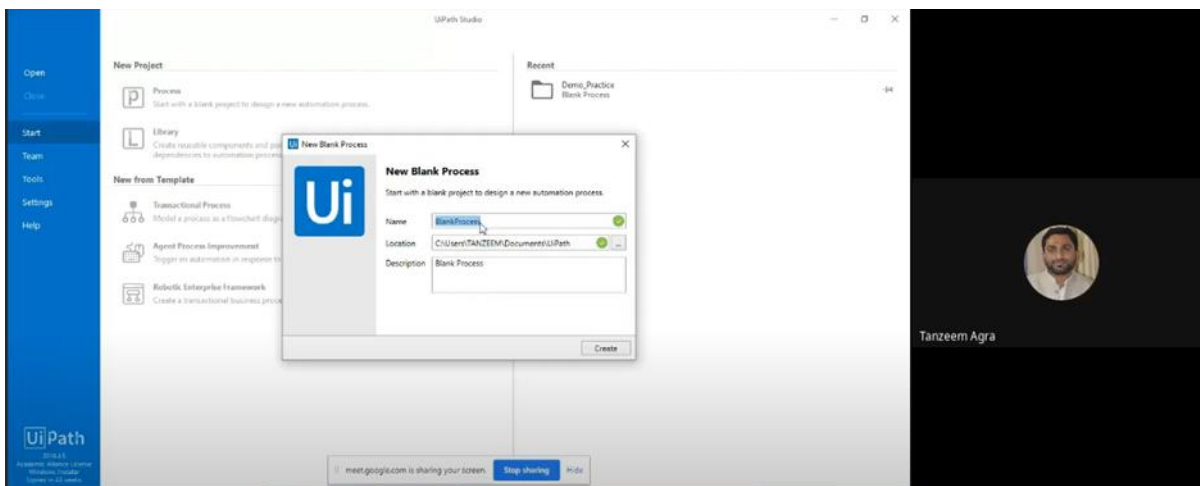
Time: 02:00 – 04:00 pm

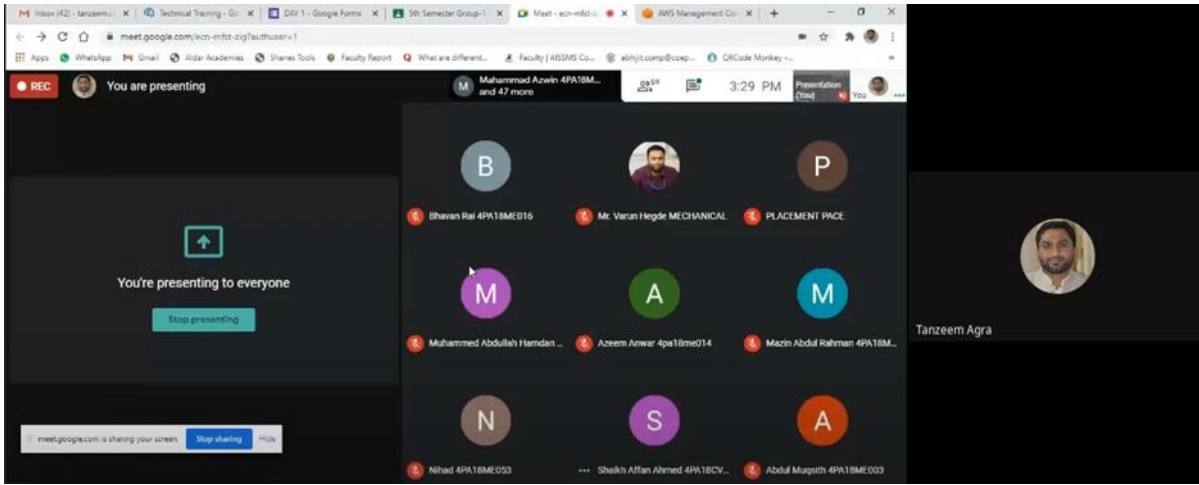
Venue: Online Platform

Program: RPI using UI Path technology

The Department of Training and Placement organized a workshop on RPI using UI Path technology for all the III and IV year engineering students on 17-12-2021, at 02:00 pm, through online platform by Prof. Mr. Mohammed Tanzeem Agra from Xerxez Solutions, Karnataka. A total of 90 students participated in this training program

This workshop on RPI using UI Path technology was designed to introduce participants to the basics of UI Path technology and to equip them with the skills necessary to tackle real-world problems. The workshop aimed to cover fundamental concepts, practical applications, and best practices in areas of technological development.





Outreach program for farmers to encourage the use of Bio fungicide fertilizers

Name of the program: Outreach program for farmers to encourage the use of Bio fungicide fertilizers

Date: 04/09/2021

Number of NSS Volunteers: 15

Place: Govt. School, Nadupadavu.

DESCRIPTION

An awareness program for villagers of Nadupadavu was conducted on 04/09/2021 to create awareness among local villagers to double their income by producing advantageous bio-fertilizers.

Students of the Department of Biotechnology observed that uncontrolled use of chemical fertilizers and pesticides not only resulted in environmental pollution but also resulted in the depletion of natural antagonists and deterioration of the fertility of the land.

Biotechnology students educated the farmers that, even though there are benefits of using chemical fertilizers and pesticides at the initial stages of infestation, counter-productivity of the plantations is reduced, pest resistance of the plants is reduced, and natural inhibitors of the plant pathogens decreased on long use of inorganic fertilizers.

Students during their initial observation concluded that solid waste of areca-nut shell is also a problematic issue in this region as it takes years together to degrade, even after it is mixed with fertilizers and used. Hence students have provided a solution to this problem by incorporating useful fungi such as *Tichoderma viride* that was isolated from organic farms and could inhibit pathogenic fungus such as *Phytophthora capsici* when it was used along with degraded agro waste.

There is a great scope for farmers to adopt this eco-friendly integrated plant engineering. The program marks the beginning of a collective effort to combat street-side waste dumping. It is expected that this initiative will lead to a significant reduction in waste dumping incidents and contribute to a cleaner, healthier, and more beautiful community.

PROGRAM OUTCOMES

Implementing an outreach program for farmers to encourage the use of biofungicide fertilizers can

have several positive outcomes. Here is a list of potential program outcomes:

Increased awareness

Farmers gain knowledge about bio fungicide fertilizers over conventional chemical counterparts

Enhanced crop yield and quality

Improved crop health and resistance to diseases due to the use of bio fungicides, increased yield and quality of agricultural produce

Environmental conservation

Decreased environmental pollution due to the reduced use of chemical fungicides. Conservation of beneficial insects and other non-target organisms.



A SESSION ON “AI Fabrics”

Name of the Program	: AI Fabrics
Date	: 02-08-2021
Mode of Conduction	: Offline
Venue	: Multi-purpose Hall
Name of the Resource person	: Prof. Mohammed Tanzeem Agra, Assistant Professor - PACE
No. of Participants	75

Description:

PACE Mangalore, Department of computer science and Engineering in association with COMPUTER SOCIETY OF INDIA organized a Seminar on AI Fabrics on 2nd August 2021. Students of 3rd CSE - PACE are actively participated in this Seminar,

Prof.Mohammed Tanzeem Agra, Assistant Professor - PACE was the resource person for the webinar who explained the importance of automation and artificial intelligence, he also explained how to integrate/combine, artificial intelligence with Automation using AI Fabrics using UiPath, the configuration of AI Fabric with Orchestrator and UiPath Studio and executed one Sample Project called Sentiment Analysis of E-Commerce Web Site. 60+ Candidate of CSE – PACE attended the Seminar and made the event a grand success. Prof. Hafeez MK and Mr. Arkaan of 8th Sem CSE were Coordinators of the event.

Report of the FDP on Application Making

Aug 04, 2021 - Aug 08, 2021

The IEEE of P A College of Engineering -Mangalore had organized Five day FDP on the topic Application Making, which is held on 4th August to 8th August 2021 at 10:0 AM in offline mode at PACE's E-learning Centre

Welcome address K S Asna, IEEE Branch Member, The Guest speaker Dr. Ramis M K, Principal of P.A college of Engineering, Vice Principal Mrs. Sharmila Kumari and HOD of ECE department Mr. Hussain addressed the gathering.

Mr. Mohd Usal, PACE IEEE member, delivered brief explanation about the FDP, FDP carried on by Mr. Saad Ahmad Mirani , in the whole FDP it is discussed and practiced that how to make any sort of android application without using any programming language. Session started with giving explanation about the basic elements of the one of the famous online app creator site MIT app inventor. Many examples taken out to explain its basic functions. Working with buttons, screens, colors, checkbox etc. Also, one app made as an example to check how to pronunciation any word.

On Last day we worked on Home Automation. How to make an app to control our home appliances was the main motto. We successfully designed an app for home automation through which any appliance can be controlled using app. This is done by using Arduino, Bluetooth module and relay module. Relay module programmed and successfully one demonstration given.

Later Miss Haleema Shameela, PACE IEEE member and Chair- gave vote of thanks to the dignitaries

K S Asna, PACE IEEE member – Mastered the FDP.

School Connect program in current Technology leveling for PU college students

Name of the program: School Connect program in current Technology leveling for PU College students

Date: 20/07/2021

Number of Volunteers: 10

Place: Girls P.U College, Melkar

DESCRIPTION: Principal of the Govt. P.U College welcomed the Staff and students of the P.A. College of Engineering. The program was coordinated by Dr. S. Abdul Rahiman, in his presidential address, he motivated the students and explained about the career opportunities.

Prof. Mohammed Hussain discussed the technological revolution and guided the students to involve themselves in building various models to gain knowledge in their area. Prof. Chandana B. R. explained various components and models. The final year students Mr. Ummar Rahil, Mr. Ummer Farook, Mr. Abhishek Rai, Mr. Shahid Rizwan, Mr. Sujith Shetty, and Mr. Irfan demonstrated various projects and motivated students to do the projects all by themselves. The session was very interactive and the doubts of the students were clarified. HOD, Physics Department of Govt. P.U College delivered the vote of thanks.

Program Outcomes

Improved Digital Literacy: Students will demonstrate proficiency in using various digital tools and platforms for learning, communication, and collaboration.

Enhanced Problem-Solving Skills: Students will develop the ability to identify, analyze, and solve problems using technology, fostering critical thinking and creativity.

Increased Engagement: Students will actively participate in interactive learning experiences facilitated by technology, leading to higher levels of engagement and motivation.

Expanded Access to Educational Resources: Students will have access to a wide range of educational resources, including online libraries, multimedia content, and educational apps, promoting independent learning and exploration.



School connect program in current Technology levelling for PU College students

**Orientation program on “Career opportunity available after
Engineering**

Name of the program : Orientation program on “Career opportunity available after
Engineering”

Name of the resource person : Mr. Ganesh Hebbar V, Director of TIME Mangalore & Mr.
Susheel Thomas TIME Mangalore.

Date : 23-07-2021

Time : 11:00 AM – 01:00 PM

No. of participants : 400

The department of Training & Placement of P.A College of Engineering invited “TIME”, Mangalore to conduct a webinar for the 3rd and 4th year engineering students on 23rd July 2021. Total of 400 students from all the branch participated in this program. Mr. Ganesh Hebbar V, Director of T.I.M.E was the resource person for 3rd year and. Mr. Susheel Thomas, was the resource person for final year respectively. The main theme of the program was “Career Opportunities Available after Engineering” (CAT, GRE, and GATE). They emphasized on “Career after Engineering” and also the motivational talk on how the student’s life starts with the dream. They also stated the procedure to prepare for GATE, GRE.TOFFEL, and STAFF SELECTION COMMISSION & CAT

Finally Mr. Ganesh Hebbar V for final year and Mr. Susheel Thomas for 3rd year, provided guidelines on how these competitive exams help them in their Placement.

Programme outcome: Mr. Ganesh Hebbar V provided guidelines to the students on how these competitive exams help them in their Placement. He concluded the program by encouraging the students to opt higher studies in the top B school.



(a)



(b)

Photos of the program “Career opportunity available after Engineering” held at 23/07/2021 by Mr. Ganesh Hebbar V, Director of TIME Mangalore

SESSION ON “Job Opportunities in ECE/EEE Core Domain”

Name of the Program : Job Opportunities in ECE/EEE Core Domain

Date : 20-7-2021

Mode of Conduction : Offline

Venue : Multi- Purpose Hall

Name of the Resource person : Mr. Sachin Prabhu, Director and
Founder, Manipal Edu-care

No. of Participants 64

Description :

The department of Electrical and Electronics Engineering in association with the Department of Electronics and Communication had organized a webinar on 20th July 2021 on “Job Opportunities in ECE/EEE Core Domain. Mr. Sachin Prabhu, Director and Founder, Manipal Edu-care and Mr. Murali Challa, Director and Founder, Timbits were the resource persons.

During the hour long session, the resource persons focused on the job opportunities in the core branches and the necessity to equip oneself with proper training to meet the challenges facing the interviews, selecting the right companies, embedded domain training and placement opportunities and the need for programming languages. He outlined various career paths available within these fields, including roles in research, development, design, testing, and maintenance. he gave information about relevant certifications, training programs, and higher education opportunities that can enhance their employability. Principal Dr. Ramis M K, in his inaugural address requested the students to utilize the various online platforms to build their career. The head of the department Prof. John Valder graced the occasion. Mr. Denzil Vikram Moras compered the program. Mr. Zakir Ali welcomed the participants. Mr. Shamal Anwar proposed the vote of thanks.

Participants felt more confident and motivated to pursue their career goals, having gained a clearer understanding of the steps they need to take. Participants leave with actionable strategies and a clear plan for pursuing their desired career paths in the ECE/EEE domains.

SESSION ON “Role of engineers in robotics and automation”

SUMMARY REPORT

Name of the Program	: Role of Engineers in Robotics and Automation
Date	: 22 – 06 - 2021
Mode of Conduction	: Online
Name of the Resource person	: Hashir Rahiman, Co-Founder at Unimation Robotics Dr.
No. of participants	: 75

Description :

The IEEE Student Branch of Electronics and Communication, P.A College of Engineering-Mangalore had organized webinar on the topic **ROLE OF ENGINEERS IN ROBOTICS AND AUTOMATION”,** which was held on 22 JUNE 2021 at 11:30AM through Google meet Platform Co-ordinated by Prof. Zakir Bellary.

The Master of Ceremony by Haleema Shameela, IEEE Chair. The Welcome Speech was given by Nayef Ahmed, IEEE Treasurer. Introduction about Speaker by Saad Ahmed Mirani, IEEE Secretary.

The Guest Speaker Mr. Hashir Rahiman, Co-Founder at Unimation Robotics (Industrial Robotics and Automation Solutions) presented webinar, delivered brief explanation of factors that refers the use of control systems, Computers and Information technology in handling various processes and Machinery in Industry. He also added the major few fields of Robotics, Operator interface, Mobility, Manipulator and effectors, Programming and sensing and perception. And described advantages commonly attributed to automation includes higher production rates and increased productivity, more efficient, better product quality, improved safety, shorter workweeks for labor. Illustrated about "High end Professional career" which tells about visions, trends, research, simulation and standardization of Robotics and Automation in upcoming years. Explained about what are Agenda of Robotics towards UG Students and reference. nearly 75 participants were present throughout the session.

At the end of the session students understood the importance of development of new robotic systems and automated solutions that transform industries such as manufacturing, healthcare and logistics. They came to know that predictive maintenance and improved reliability reduce downtime, enhancing overall productivity.

The Technical requirements were followed by Dhyan, IEEE member. And Vote of thanks given by Akshata, IEEE Member.



Cleaning and Nourishment Program for old age

Name of the program: Cleaning and Nourishment Program for old age home

Date: 12/06/2021

Number of NSS Volunteers:

25 Place : Shevashram,

Konaje

DESCRIPTION

The NSS Unit of PACE organized a commendable event, the Distribution of Groceries at Shevashrama, Konaje, on the 12th of Jun 2022. This program aimed to support and assist the underprivileged members of the community by providing them with essential groceries and household items. The event witnessed active participation from 15 enthusiastic NSS volunteers who were eager to contribute to the welfare of the community.

PREPARATION AND PLANNING:

The success of any event lies in effective planning and meticulous execution. The NSS Unit, in collaboration with Seva Bhaava Charitable Trust, Konaje, meticulously planned the distribution of groceries. Initially, a survey was conducted to identify the specific needs of the community members. Based on the survey results, a detailed list of essential groceries and household items was prepared

PROCUREMENT AND DONATION DRIVE.

With the help of generous donors and sponsors, the NSS Unit successfully procured the required groceries and household items. During the visit, our students organized engaging games and competitions for the residents, actively participating alongside them. A lunch was arranged for all the elderly individuals at the Sevaashram, which was highly appreciated by both the residents and the officials of the old age home. Apart from the physical cleaning, the event also included an interactive session. The visit proved to be incredibly worthwhile as our students were greeted with beautiful smiles and endless stories about life experiences from the elderly residents.

PROGRAM OUTCOMES

Enriched well-being

Increased feeling of happiness and content among both volunteers and elderly individuals

Improved mental and emotional well-being.

Improved mental and emotional well-being of the elderly residents through social interaction and companionship



Cleaning and Nourishment Program for old age home

SESSION ON “How to write a project proposal”

SUMMARY REPORT

Name of the Program	: How to write a project proposal
Date	: 12-6-2021
Mode of Conduction	: Offline
Venue	:
Name of the Resource person	: Dr Shivananda Nayak, MSc, PhD, NRCC- CC, FACB, FAGE, FABMS, PGDCHC, Professor of Biochemistry, The University of The West Indies, Trinidad and Tobago
No. of participants	: 102

Description :

Dr Shivananda Nayak, MSc, PhD, NRCC-CC, FACB, FAGE, FABMS, PGDCHC, Professor of Biochemistry, The University of The West Indies, Trinidad and Tobago as a resource person has trained students on idea generation and pitching to effectively fetch financial support. He Explained why project proposals are necessary, their role in securing funding or approval, and how they serve as a roadmap for project implementation. He Discussed how to identify and mitigate potential risks or challenges, and demonstrating a proactive approach to problem-solving. He insisted graduating students to take of entrepreneurship soon after completing their graduate program.

Total of 102 students have actively participated in the program. At the end of the program students understand the key components of a successful project proposal, including its purpose, audience, content, and formatting, and are able to apply these principles to create their own compelling proposals.

SESSION ON ‘Innovation Potentials in Nano Technology in Environment and Pollution free Sustainable Future’

Name of the Program : Environmental Potentials in Nano
Technology in Environment and
Pollution free Sustainable Future

Date : 05 – 06 - 2021

Mode of Conduction : Offline

Name of the Resource person : Dr Smitha CK, BE(VTU), MTech (SRM),
Ph. D. (NITK)

No. of participants : 116

Description :

Nanotechnology can provide highly sensitive and selective tools for monitoring environmental pollutants. Nano sensors can detect pollutants at extremely low concentrations, enabling early warning systems and proactive environmental management’

Dr Smitha CK, BE(VTU), MTech (SRM), Ph. D. (NITK), as a resource person has trained students on how students can transform their fragile idea into environmentally sustainable and commercially viable product or process. She advised graduating students to take up endless opportunities on generation ideas to solve our environmental problems,

Total of 116 students have actively participated in the program.

The students were able to understand that by harnessing the environmental potentials of nanotechnology, we can strive towards a future where human activities are in harmony with nature, leading to cleaner environments, healthier ecosystems, and sustainable development for present and future generations.



Institute Innovation Council (IIC)

in association with

**Biotech-PACE Forum, Department of Biotechnology,
P. A. College of Engineering, Mangalore- 574153**

invites you to

"The World Environment Day Celebration"

Address by:

Dr. Ramis MK, Principal, PACE



Smitha CK
BE (VTU),
M. Tech (SRM)
Ph. D. (NITK)

Session on
**"Innovation Potential of
Nanotechnology in
Environmental Protection and
Pollution Sustainable Future"**

Idea pitching on

"Environment Restoration"



June 5,
2021
Saturday
at
10.00
AM

Google meet Link

Saturday, 5 June · 09:45 – 12:15, Google Meet,
Video call link: <https://meet.google.com/vmb-ugt-z-qsv>

Title: Report on 5-Day Faculty Development Program (FDP) on Communication and Listening Skills for Non-Teaching Staff

Date: 14-12-2021 to 18-12-2021

Conducted by: Centre of Excellence for Research Innovation and Entrepreneurship , P.A College of Engineering, Mangalore

Objective:

The objective of this FDP was to enhance the communication and listening skills of non-teaching staff to improve their effectiveness in their roles.

The 5-day FDP covered various aspects of communication and listening skills, including:

- Verbal and non-verbal communication
- Active listening
- Conflict resolution
- Effective communication in the workplace
- Communication strategies for non-teaching staff

The program was delivered through a combination of lectures, discussions, role-plays, and group activities. The participants were actively engaged throughout the program and showed significant improvement in their communication and listening skills.

Outcome:

The FDP was successful in achieving its objective of enhancing the communication and listening skills of non-teaching staff. The participants were able to learn and practice effective communication strategies, which will help them in their day-to-day activities.