

NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE (AN AUTONOMOUS INSTITUTION)



(NAAC 'A' Accredited, NBA Accredited (CSE & MTR) (Approved by AICTE, Affiliated to KTU, Kerala)

- 5.1.3 Capacity building and skills enhancement initiatives taken by the institution include
- the following
 1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. ICT/computing skills

Name of the capability enhancement program	Date of impleme ntation (DD-MM-YYYY)	Nu mbe r of stud ents enro lled	Name of the agencies/consultants involved with contact details (if any)
AWARENESS SESSION	29-04- 2024	79	NSS CELL NCERC & EXCISE DEPARTMENT
ENVIRONMENT DAY CELEBRATION	05-06- 2024	109	NSS CELL NCERC
YOGA DAY	21-06- 2024	55	NSS CELL NCERC & NCC NCERC
INTERNATIONAL DAY AGAINST DRUG ABUSE AND ILLICIT TRAFFICKING	26-06- 2024	55	NSS CELL NCERC
WORLD PAPER DAY CELEBRATION	12-07- 2024	75	NSS CELL NCERC
'SANJEEVANAM 3.0"JEEVANA 5.0' (PHASE 2) BLOOD DONATION DRIVE	27-02- 2024	43	NSS CELL NCERC
SWACHHATA PAKHWADA-SWACHHATA HI SEVA (SHS) 2023	01-10- 2023	52	NSS CELL NCERC
VIGILANCE AWARENESS WEEK	05-11- 2023	109	NSS CELL NCERC
NATIONAL ENERGY CONSERVATION DAY PROGRAM	14-12- 2023	55	NSS CELL NCERC
TALK SHOW ON IMPORTANCE OF SPACE PROGRAMS FOR A DEVELOPING COUNTRY	23-08- 2023	120	MCA DEPARTMENT
WORKSHOP ON ROBOTIC TECHNOLOGY	23-07- 2023	75	ACUTRO TECHNOLOGIES PVT LTD., TRIVANDRUM
CAPITAL MARKET AWARENESS PROGRAM	14-02- 2024	120	MR. VENUGOPAL RAYIRATH, LAW SENIOR ASSOCIATE



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			ACUTRO
WORKSHOP ON IOT AND AI	18-03-		TECHNOLOGIES PVT
	2024	120	LTD., TRIVANDRUM
			MR. VISHNU VIJAY
ONE DAY SEMINAR ON ENERGY			KUMAR, ASSISTANT
CONSERVATION AND MANAGEMENT	26-02-		PROFESSOR, JAIN
	2024	52	UNIVERSITY
ONE DAY SEMINAR ON RECENT			MR. DEEPU T,
DEVELOPMENTS IN BIO FUELS	07-03-		ASSISTANT
DEVELOTIVIENTS IN BIOT GLES	2024	52	PROFESSOR, JCET
ONE DAY SEMINAR ON SKILL			
DEVELOPMENT PROGRAMS AVAILABLE			
IN NATIONAL COUNCIL FOR	28-02-		MECHANICAL
TECHNOLOGY AND TRAINING	2024	52	DEPARTMENT, NCERC
			DR. P A ABDUL
			SAMAD, CHAIRMAN,
MECH VEDA			BOARD OF STUDIES, A
MECH VEDA			P J ABDUL KALAM
	05-10-		TECHNOLOGICAL
	2023	52	UNIVERSITY
TWO DAY WORKSHOP ON			
COMPUTATIONAL FLUID DYNAMICS:	25-03-		DR.FAVAS T K,
FUNDAMENTALS & APPLICATIONS	2024	52	PROFESSOR, CUSAT
H INTERNATIONAL E-CONFERENCE ON			DR. DAMODARAN
			PARVATHIVIHAR,
			STRATEGIC MGT
CURRENT TECHNO TRENDS	28-06-		PROFESSIONAL,
	2024	120	
WORKSHOP ON MAKING OF LED BULBS	02-04-		MR. SREEJITH K, CEO,
	2024	120	





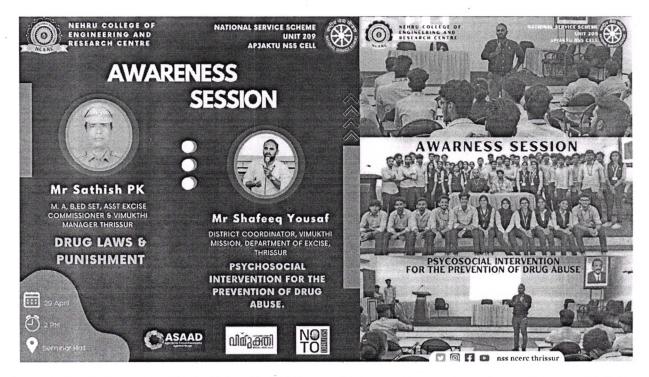
Pampady, Thiruvilwamala, Thrissur, Kerala. PIN: 680588 (Accredited by NAAC | ISO 9001-2015 Certified) (Approved by AICTE, Affliated to APJ Abdul Kalam Technological University, Kerala)



NSS UNIT 209 - NCERC

AWARENESS SESSION ORGANIZED

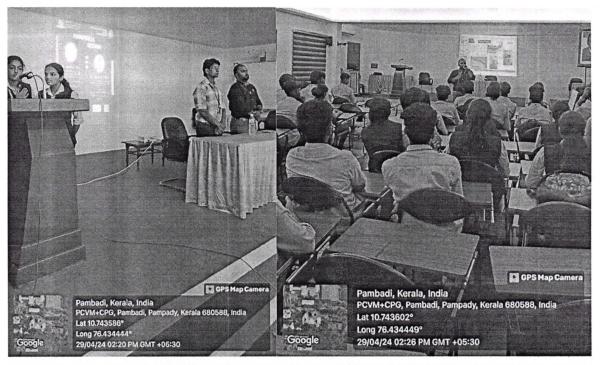
Date: 29-4-24



As part of APJAKTU NSS CELL, NSS 209 organised an awareness session on the topics "Drug Laws and Punishment" and "Psychosocial Interventions for the Prevention of Drug Abuse" on 29th April 2024, at 2 PM in the Seminar Hall, Aryabhatta, Nehru College of Engineering and Research Centre, Pampady.

The session began with the rendition of 'manavageetham' by NSS volunteers. The welcome speech was given by an NSS Volunteer, Mr. Rohith T C. Both topics were taken by Mr. Shafeeq Yousaf, District Coordinator, Vimukthi Mission, Department of Excise, Thrissur, in the absence of Mr. Sathish P K, M.A, B.ED SET, Asst Excise Commissioner and Vimukthi Manager, Thrissur. It covered a wide range of content discussing how drug use has increased among teenagers and adults less than 23 years of age and its impact on mental and physical health. He shared many stories about the drug cases, how it affects family life and career life. He gave information about the de-addiction centres and also reminded the duties of NSS volunteers against Drug use. He gave ideas on how to implement an anti-drug society.

Additionally, it provided details about intervention strategies for reducing drug use and related laws and punishments associated with its use. He provided an interactive class where all the junior and senior volunteers actively participated. The session was concluded with a vote of thanks by an NSS volunteer, Ms. Arya S. The whole program was organized under the leadership of Program Officer, Mr. Rejumon R.





PROGRAMME OFFICER NSS UNIT 209, NCERC.

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NSS UNIT 209 - NCERC

ENVIRONMENT DAY CELEBRATION

Date: 05-6-24



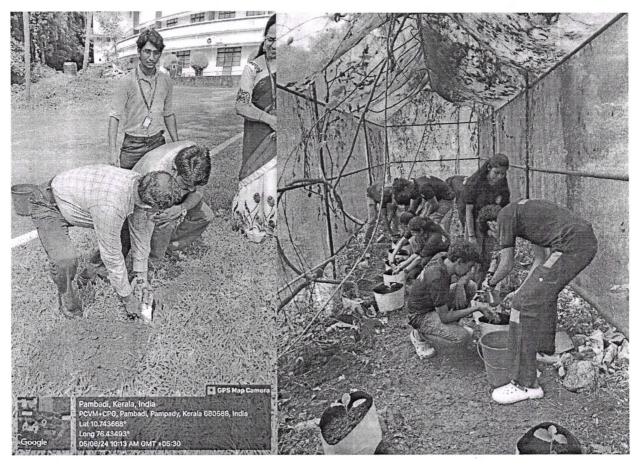
"The proper use of science is not to conquer nature but to live in it."

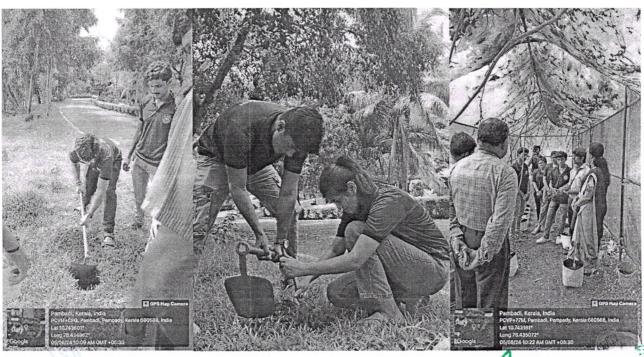
— Barry Commoner

World Environment Day, celebrated on June 5th, focuses on raising global awareness and prompting action for environmental protection. The theme for 2024, "Our Land, Our Future. We are #Generation Restoration," underscores the vital importance of land restoration, combating desertification, and improving resilience to drought.

As part of Environment Day celebrations, NSS UNIT 209 of Nehru College of Engineering and Research Centre, Pampady, organised a tree planting session from 3rd June 2024, to 8th June 2024, with the aim of planting 209 saplings. The program also involved sowing seeds in the campus vegetable garden on the same day. This program began at 10 am with a welcome speech by an NSS volunteer, Ms. Arya S. The program was then inaugurated by Prof. Dr. Krishna Kumar T. P, Head of Nehru School of Management, Prof. Dr. Sudeer S. Marar, HOD of MCA, Mr. Ambikadas, Campus Superintendent, and Ms. Bindhu Krishnakumar, Campus Manager by planting the saplings. Each guest shared their words of wisdom with the volunteers and encouraged them to continue their service to society and nature.

All the NSS volunteers actively participated in this celebration by planting saplings in the college as well as in their respective homes and neighborhoods. The program was concluded with a vote of thanks by an NSS volunteer, Ms. Sradha S. The whole program was conducted under the guidance of Program Officer, Mr. Rejumon R.





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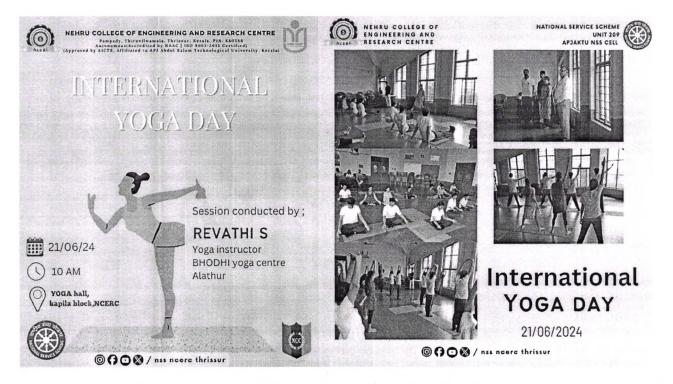
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NSS UNIT 209 - NCERC

YOGA DAY 2024

Date: 21-6-24



On International Yoga Day, celebrated annually on June 21st, the physical, mental, and spiritual benefits of yoga are promoted worldwide. Established by the United Nations in 2015, it highlights yoga's role in achieving global health and well-being. Events include yoga sessions, workshops, and discussions to encourage mindfulness and fitness.

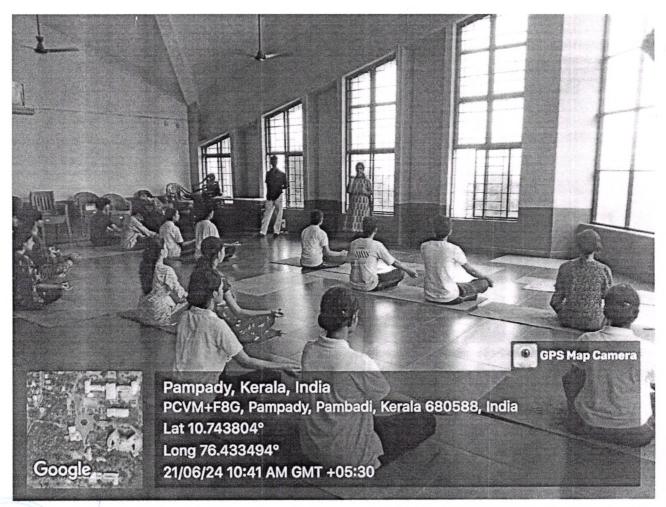
The theme for International Yoga Day 2024 is 'Yoga for Self and Society,' emphasizing the dual benefits of yoga practice: enhancing personal well-being and improving society at large. The theme recognizes that inner serenity and self-care are fundamental to a happy and healthy existence.

In observance of Yoga Day, NSS Unit 209 and NCC 23BN jointly organized a yoga training session in Nehru College of Engineering and Research Centre, pampady. The programme included junior volunteers from NSS and NCC. The program was inaugurated by Prof. Karibasapa Kwadiki, Principal of NCERC. Prof. Rejumon R, NSS PO, and Lt. Ano Sanoj Thonnakot were present at the program and assisted in coordination.

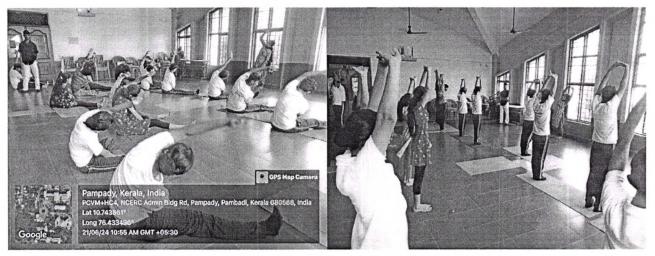
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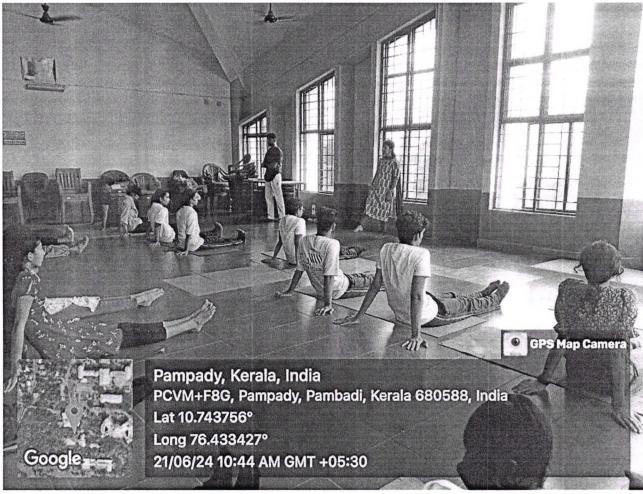
The yoga session was conducted by Revathi S, a yoga instructor from Bodhi Yoga Center, Alathur. It included theory and practical sessions for the volunteers. After the sessions, the instructor advised the volunteers to continue practicing yoga, and they expressed their gratitude and provided feedback on the experience.











PROGRAMME OFFICER NSS UNIT 209, NCERC.



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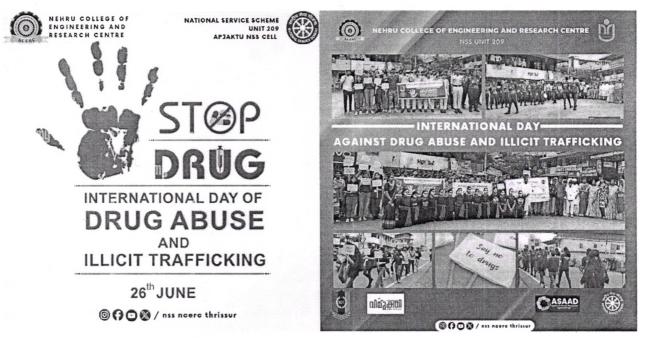
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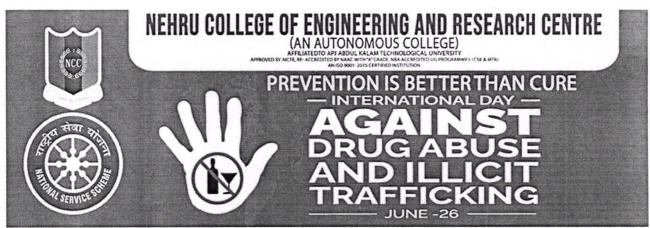


NSS UNIT 209 - NCERC

INTERNATIONAL DAY AGAINST DRUG ABUSE AND ILLICIT TRAFFICKING

Date: 26-6-24





"Life does not get better by chance; it gets better by change. Say no to drugs."

As part of the International Day Against Drug Abuse and Illicit Trafficking, celebrated annually on 26th June 2024, NSS Unit 209 in collaboration with NCC Battalion 23(K) of Nehru College of Engineering and Research Centre and several other schools conducted an event at Thiruvilwamala junction.

The event started at 11:00 am and included a flash mob, a placard rally, and a mime performance. Additionally, an awareness talk on anti-drug measures was given by ASI Satheesh. The awareness talk covered topics such as the severe consequences of drug abuse on individuals and society. He also provided information on available support systems and resources for those struggling with addiction, emphasizing the significance of community and family support in prevention and recovery efforts.

All the volunteers and candidates of NSS Unit 209 and NCC Battalion 23(K) actively participated in the event. The whole program was conducted under the leadership of Program Officer Mr. Rejumon R and Lieutenant Mr. Sanooj T.





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NSS UNIT 209 - NCERC

WORLD PAPER BAG DAY

Date: 12-7-24



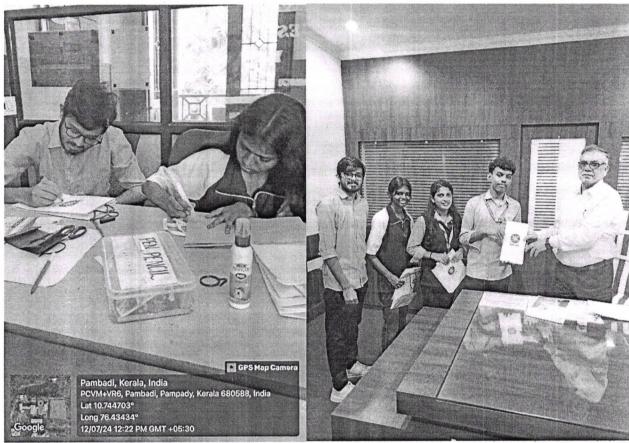
"Sustainable choices today ensure a greener future tomorrow. Opt for paper bags."

World Paper Bag Day is observed globally each year on July 12. This day advocates for the use of paper bags instead of plastic ones to mitigate plastic pollution and support eco-friendly habits. The 2024 theme, is "Sustainable Choices for a Greener Future," aiming to extend the discussion beyond paper bags to include a wide range of sustainable practices in daily life.

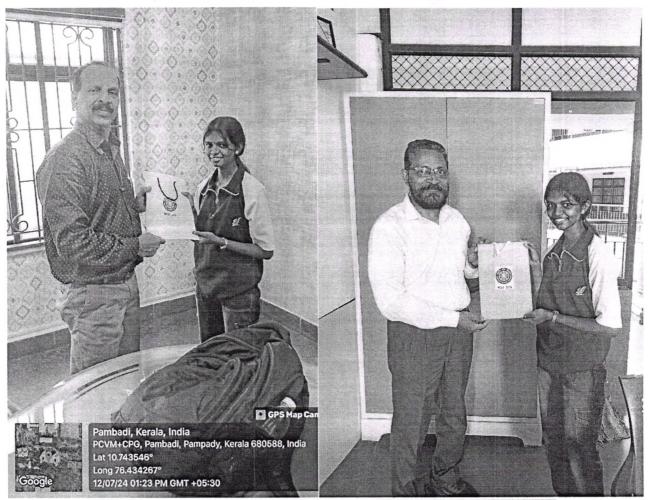
In celebration of this day, NSS UNIT 209of Nehru College of Engineering and Research Centre, Pampady organized two significant events. One event involved creating paper bags that could hold weights up to 2-5 kg and distributing them to the heads of departments and faculty members. These paper bags were meticulously crafted by volunteers using recycled charts and scraps, emphasizing the importance of reusing materials. The other event was an informative awareness class for the faculty on transitioning to natural alternatives instead of plastics and other non-eco-friendly bags. This session highlighted practical ways to reduce plastic usage in daily life. All the volunteers actively participated, ensuring the program's success through their dedication and hard work. The entire event was conducted under the leadership of Program Officer in Rejumon R.

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NSS UNIT 209 - NCERC

Date: 27-2-24'SANJEEVANAM 3.0''JEEVANA 5.0' (PHASE 2) BLOOD DONATION DRIVE

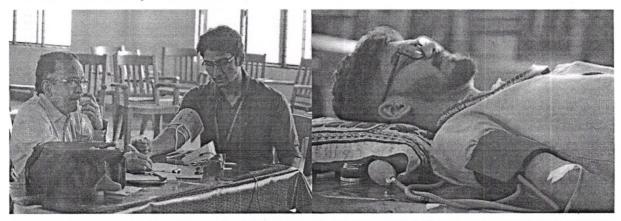


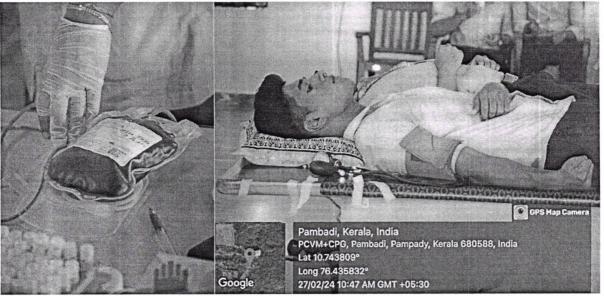
Under the APJAKTU NSS Rudhirasena's TCR-PKD Regional Blood Donation Campaign, "Sanjeevanam 3.0", in collaboration with "Jeevana 5.0", phase 2, was conducted by the NSS Unit 209 of Nehru College of Engineering and Research Centre, Pampady, in collaboration with the IMA Blood Bank ,Thrissur on 27th February 2024 at 9:30 in the Brahmagupta Auditorium, Nehru College of Engineering and Research Centre, Pampady. The inaugural ceremony was presided over by Prof. Dr. Karibasappa Kwadiki, the principal of Nehru College of Engineering and Research Centre. Dr. S.M. Balagopalan led the event. During this blood donation drive, a total of 51 individuals donated blood. Students of Nehru College of Engineering and Research Centre donated blood actively in the camp held to promote blood donation among the youth's volunteers played a crucial role in organizing

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and managing various aspects of the event, including registration, refreshments, and post-donation care for the donors.

"Sanjeevanam 3.0", in collaboration with "Jeevana 5.0", conducted through two phases concluded with a total of 86 blood donations. Both phases were conducted under the leadership of Program Officer Rejumon.R, Volunteer Secretaries Mr.Ajin T and Ms.Anagha Kesav along with Rudhirasena Unit Coordinator Ms.Najmal Hudha.

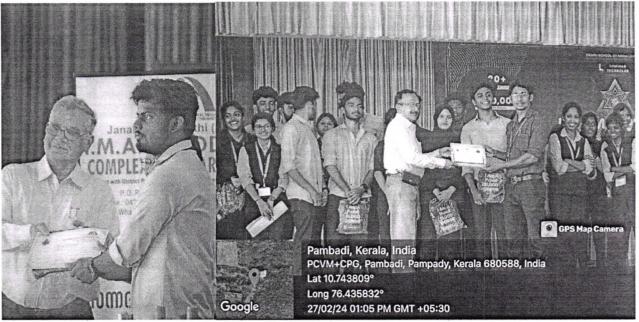






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IMA BLOOD BANK COMPLEX & RESEARCH CENTRE



TO WHOM - SO - EVER IT MAY CONCERN

This is to certify that NSS UNIT 209 NCERC PAMBADY Network college of Enginering & Reserch Centre.

has successfully organized a Blood Grouping & Blood Donation Camp with the professional participation of IMA Blood Bank

Complex & Research Centre, R. V. Puram, Thrissur on 37 - 2- 2024

their excellent performance in Voluntary Blood Donation. We wish all success in their future activities.

Janakeeya Samithy (Arogyam)

BLOOD BANK MEDICAL OFFICER I. M. A. Blood Bank Complex & POONAGE BLOOD & SAVE LIVES A Project With District Panchayath & J. M. A. Thrisse

P. O. Ramavarm spuram, Thrissur 680631 Ph: 0487-2323964 / 2320784

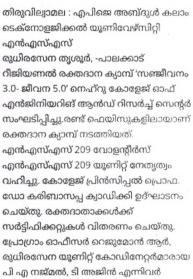




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Home Silders Local സഞ്ജീവനം 3.0 ജീവന 5.0



സംസാരിച്ചു.

രക്തദാന ക്യാമ്പ്

തിരുവില്വാളല

എ പി ജെ അബ്ലൾ കലാം ടെക്ലോളജിക്കൽ യൂണിവേഴ്സി റ്റി എൻഎസ്എസ് രുധിരസേന തൃശൂർ, പാലക്കാട്ട് റീജണൽ രക് തദാന കൃാമ്പ് സംഘടിപ്പിച്ചു. എൻഎസ്എസ് വളണ്ടിയർമാർ നേതൃത്വം നൽകി. കോളേജ് പ്രി ൻസിപ്പൽ ഡോ. കരിബാസപ്പ ക്വാഡിക്കി ഉദ്ഘാടനം ചെയ്യു. മക്തദാതാക്കൾക്ക് സർട്ടിഫിക്ക റ്റുകൾ <mark>വീതരണം</mark> ചെയ്തു. പ്രോ ഗ്രാം ഓഫീസർ റജുമോൻ ആർ. പി എ നജ്മൽ. ടി അജിൻ എന്നിവർ സംസാരിച്ചു.



PROGRAMME OFFICER NSS UNIT 209, NCERC.



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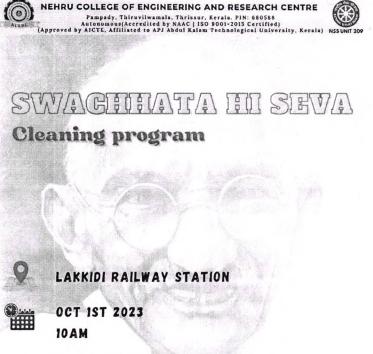
PAMPADY, THIRUVILWAMALA, THRISSUR (DT) - 680 588

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GANDHI JAYANTI CELEBRATIONS

Swachhata Pakhwada-Swachhata Hi Seva (SHS) 2023

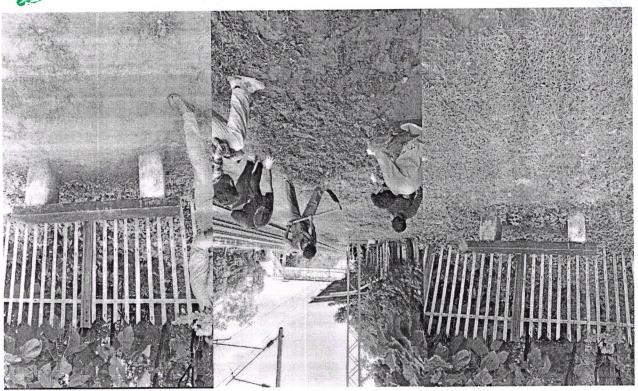
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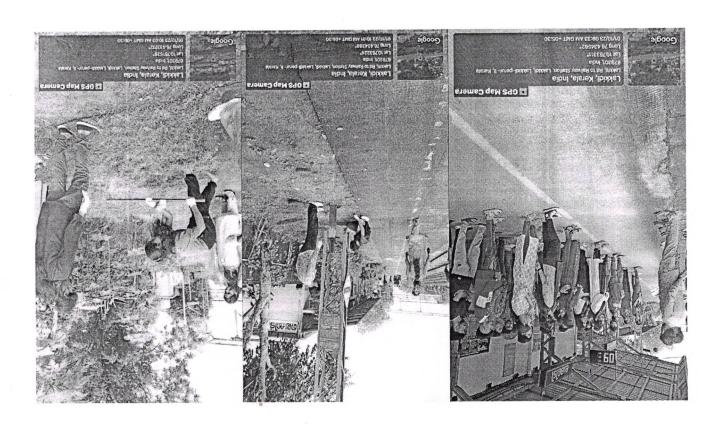


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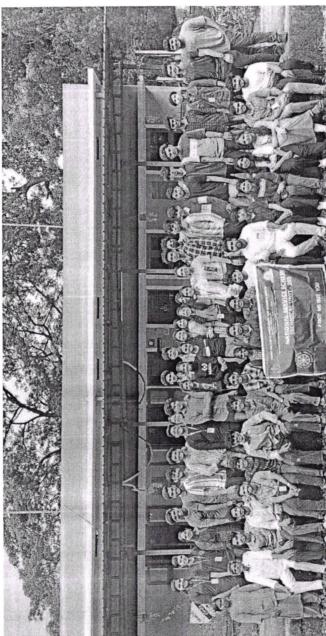
In accordance with Swachhata Pakhwada-Swachhata Hi Seva (SHS) 2023, a nationwide massive cleanliness drive led by people on the eve of October 2nd, Gandhi Jayanti, cleaning activities was organized by NSS unit 209, Nehru College of Engineering and Research Center, Pampady on 1/10/23 at Lakkidi Railway Station. As part of the cleanliness drive under the theme 'Garbage free India', volunteers cleaned the Lakkidi Railway Station platform surroundings and removed the plastic wastes in the area. Station Master Mr. Venugopal and Mr. Anoop presided over the cleaning drive which started at 10 am. The mission was successfully executed under the leadership of Asst Prof. Rukma CH, Applied Science, Volunteer Secretary Ajin T, Event Coordinators Ashwin Nair and Sneha CS.











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NSS UNIT 209 - NCERC

VIGILANCE AWARENESS WEEK

Date: 5-11-23



NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

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SAY NO TO CORRUPTION, COMMIT TO THE NATION

#VIGILANCE AWARENESS WEEK 30/10/2023 TO 05/11/2023

o f nss ncerc thrissur

NSS Unit 209 celebrated Vigilance awareness week along with Central Vigilance Commission with the theme of, "Say no to corruption, commit to the nation" from 30/10/23 to 05/11/23. Posters were made in social media to spread the awareness across our society. Integrity pledge was also taken by our volunteers impressing upon the fight against corruption.





Integrity Pledge

progress of our country. I believe that all stakeholders such as Government, citizens and private sector need to work together to eradicate corruption. I realize that every citizen should be vigilant and commit to highest standards of honesty and integrity at all times and support the fight against corruption.

- I, therefore, pledge:
 To follow probity and rule of faw in all walks of life.
 To neither take nor offer bribe.
 To perform all tasks in an honest and transparent manner;

- To act in public interest;
 To lead by example exhibiting integrity in personal behaviour;
 To report any incident of corruption to the appropriate agency.

ABHISHEK RAMAN

Integrity Pledge

believe that corruption has been one of the major obstacles to economic, political and social progress of our country. I believe that all stakeholders such as Government, citizens and private sector need to work together to eradicate corruption. I realize that every citizen should be vigilant and commit to highest standards of honesty and integrity at all times and support the fight against corruption.

- i, therefore, pledge

 To follow probity and rule of law in all walks of life;

 To neither take nor offer bribe;

 To perform all tasks in an honest and transparent manner;

 To act in public interest;

 To lead by example exhibiting integrity in personal behaviour;

 To report any incident of corruption to the appropriate agency.

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PROGRAMME OFFICER NSS UNIT 209, NCERC.







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13-12-2022

From,
Programme Officer
NSS UNIT 209,
NCERC, Pampady.

To,
The Principal,
NCERC, Pampady.

Sub: Requesting permission to conduct National Energy Conservation Day Program.

Respected sir,

NSS Unit 209 intends to commemorate National Energy Conservation Day on December 14, 2023, by holding events like a competition for creating digital posters and poster distribution.

Therefore we kindly request your permission for the smooth execution of this program.

Thanking You,

PROGRAMME OFFICER

NSS UNIT 209, NCERC.

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PAMPADY, THIRUVILWAMALA, THRISSUR, 680588

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INSTITUTION'S INNOVATION COUNCIL



Talk Show on

IMPORTANCE OF SPACE PROGRAMS FOR A DEVELOPING COUNTRY

The Institution's Innovation Council along with Department of MCA conducted a talk show on importance of space programs for a developing country..

The Key note address was arranged for students in the MCA Smart Classroom at 9.00am on 23/08/2024 Friday.

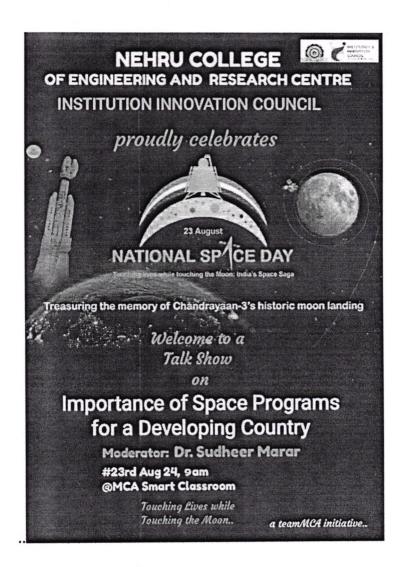
Prior to the National Space Day, an Opening forum was set to brief the vision and expectations about the event. Dr.Sudheer Marar HOD, Department of MCA, and Prez-IIC NCERC addressed the students by emphasizing the significance of knowledge by updating about the importance of space programs for a developing country.

A brainstorming session on Pros and Cons of the topic followed, and the discussion outcomes were presented by the student representatives.

Aparna Asst.Prof MCA and Sreelekha, Asst.Prof-Mathematics cordinated the sessions. Ashish L IIC Member delivered the vote of thanks.

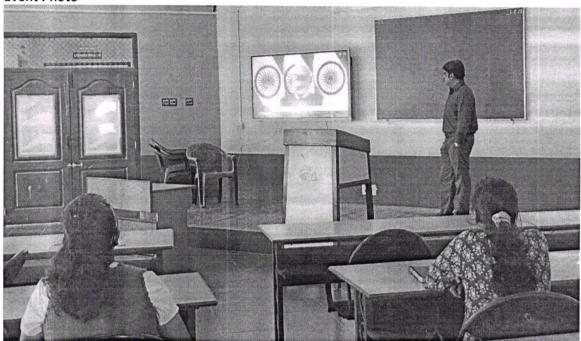
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Event Poster

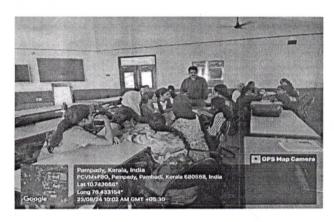


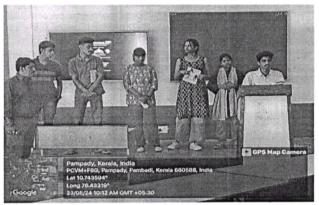


Event Photo



GPS shorts





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INSTITUTION'S INNOVATION COUNCIL



WORKSHOP ON ROBOTIC TECHNOLOGY

The Institution's Innovation Council along with Department of Mechatronics conducted a workshop on robotic technology.

Introducing "Athena"

AZIMOS, the Association of Mechatronics Department, serves as a dynamic forum for our students to explore and excel in the ever-expanding realm of technology. This academic year, AZIMOS launched its activities with a workshop on robotic technology. Our technology partner for this workshop, Acutro Technologies Pvt Ltd, Thiruvananthapuram, played a pivotal role in guiding us through the development and fabrication of humanoid robots.

The workshop provided a comprehensive, hands-on training experience complemented by ample theoretical knowledge. Participants delved into various aspects of robotics, including:

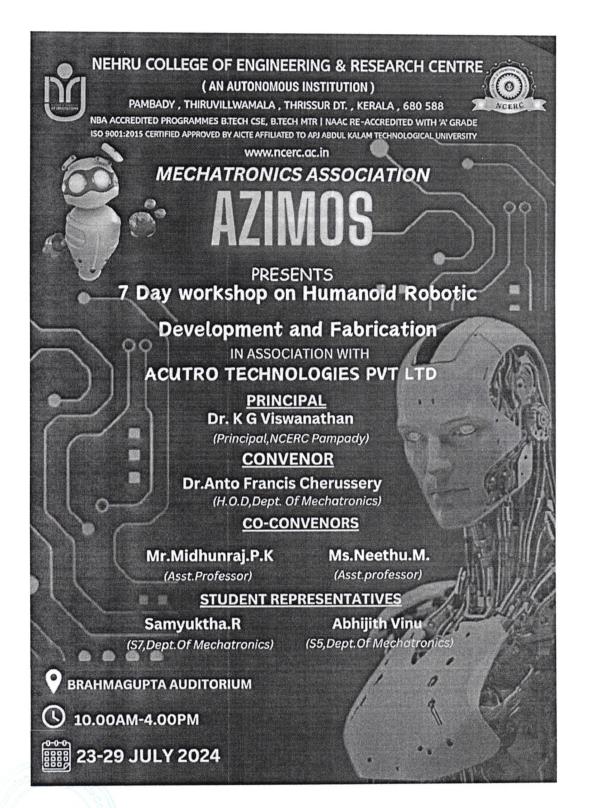
- *Designing the humanoid using CAD software*
- *Fabrication & Assembly*
- *3D Printing*
- *Circuit Designing*
- *Working with Microcontrollers & Sensors*
- *Programming in Python & Relevant Libraries on the Arduino IDE Platform*
- *Integration of AI*
- *Component Integration*
- *Testing and Troubleshooting*

The highlight of the workshop was the introduction of our live humanoid robot, named *"Athena."* Athena, a humanoid capable of moving on wheels, can answer any question using advanced AI technology.

his event was a joyous and memorable moment for both students and department.

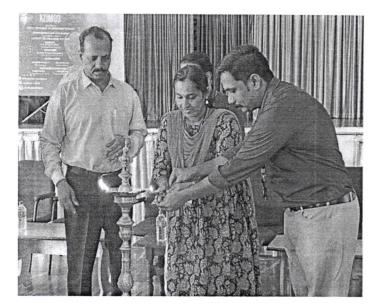
thena, our beautiful robotic creation, is now eagerly awaiting to welcome the freshers of the 2024-28 batch._

Event Poster



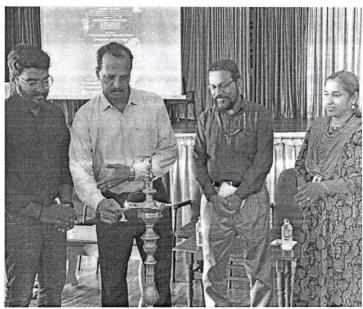
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Event Photo











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NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE (Autonomous)

PAMPADY, THIRUVILWAMALA, THRISSUR, 680588
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Institution's Innovation Council (IIC) DEPARTMENT OF MCA Report on Capital Market Awareness Program

Introduction

The Capital Market Awareness Program was conducted at Department of MCA in Nehru College of Engineering and Research Centre, Pampady, Thiruvilwamala, Thrissur on 14th February 2024. This three-hour event aimed to enhance students' understanding of capital markets and promote financial literacy among participants.

Objectives

The primary objectives of the program were:

- Understanding Capital Markets: To introduce students to the basic concepts and functions of capital markets.
- Investment Awareness: To create awareness about various investment options available in capital markets.
- Practical Knowledge: To equip students with practical skills for making informed investment decisions.

Program Structure

The program was structured into three main segments:

Presentation (1 hour)

Topic: Introduction to Capital Markets

Content: Overview of capital market functions, types of securities, and the role of stock exchanges.

Speaker: Venugopal Rayirath an expert in finance.

Interactive Session (1 hour)

Activity: Group discussions on investment strategies and risk management.

Objective: Encourage participants to share their thoughts and ask questions about capital markets.

Q&A and Networking (1 hour)

Format: Open floor for questions followed by networking opportunities.

Purpose: To allow students to engage with the speaker and industry professionals, fostering connections for future learning.

Participants

The program attracted 60 students from various disciplines, including computer applications, finance, business management, and economics. The diverse backgrounds contributed to rich discussions and varied perspectives.

Learning Outcomes

- Participants gained valuable insights, including:
- A clear understanding of how capital markets operate.
- Familiarity with different types of investment instruments.
- Awareness of the importance of financial planning and investment strategies.

Feedback

Feedback from participants was overwhelmingly positive:

- Content Relevance: 88% of students found the content highly relevant to their studies.
- Engagement: 85% appreciated the interactive format of the session.
- Overall Satisfaction: 90% of participants expressed a desire for more such programs in the future.

Conclusion

The Capital Market Awareness Program successfully achieved its goals of educating students about capital markets in a concise format. The positive feedback indicates a strong interest in further financial literacy initiatives.

Acknowledgments

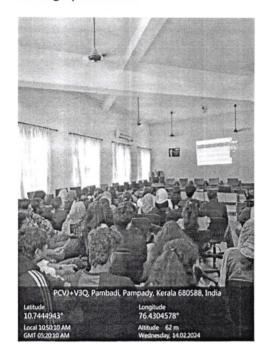
We extend our gratitude to the speaker, faculty members, and participants for making this program a success. We look forward to organizing similar events in the future to continue promoting financial awareness among students.

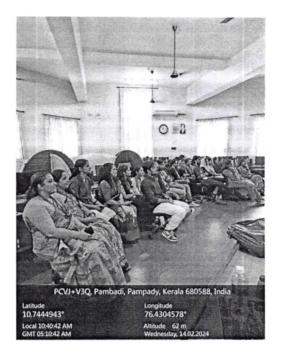
Poster of activity



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Photograph of Event



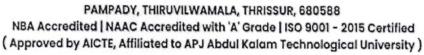




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INSTITUTION'S INNOVATION COUNCIL



WORKSHOP ON IOT AND AI

The Institution's Innovation Council along with Department of Mechatronics conducted a workshop on IOT and Al.

Introduction

The Department of Mechatronics Engineering at NCERC successfully organized a workshop on **Internet of Things (IoT) and Artificial Intelligence (AI) in collaboration with Acutro Technologies Pvt. Ltd. This workshop aimed to provide participants with hands-on experience and in-depth knowledge of the latest advancements in IoT and AI, enabling them to gain practical expertise in these rapidly evolving fields.

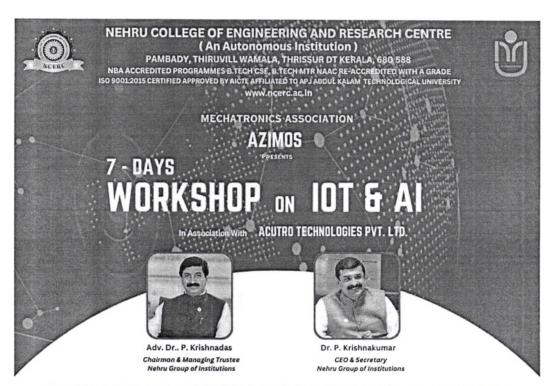
- Practical experience in IoT and AI applications.
 Understanding of IoT devices, sensors, and AI algorithms.
- Skills to design and implement IoT systems integrated with AI technologies.
- The workshop was meticulously planned and executed by AZIMOS, the Mechatronics Association of NCERC.
- The team ensured the event ran smoothly, providing participants with an enriching experience.

Conclusion

The workshop was a grand success, with active participation and positive feedback from attendees. It provided a platform for students to explore the potential of IoT and AI, equipping them with the skills to thrive in the tech-driven future. The Department of Mechatronics Engineering extends heartfelt thanks to Acutro Technologies Pvt. Ltd., participants, and the organizing committee for making the event a remarkable experience.



Event Poster



A 7-day IoT and AI workshop covers IoT & AI fundamentals, data collection, analysis, and practical applications. It includes hands- on activities,projects, case studies, data security, ethics, and real-world applications.

<u>Principal</u>

Prof. Dr. Karibasappa Kwadiki
Principul, NCERC

Convenor

Dr. Vijayakumar. D

Co - Convenors

Ms. Neethu. M

Mr. Midhunraj. P. K

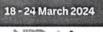
Student Representatives

Deepak, K. K

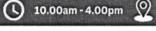
Samyuktha. R















+91 72933 41833 +91 85938 32442



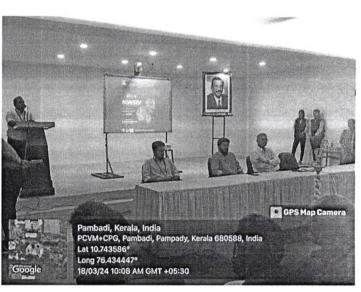


Event Photo









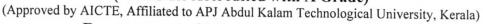


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NCERC NO.

NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

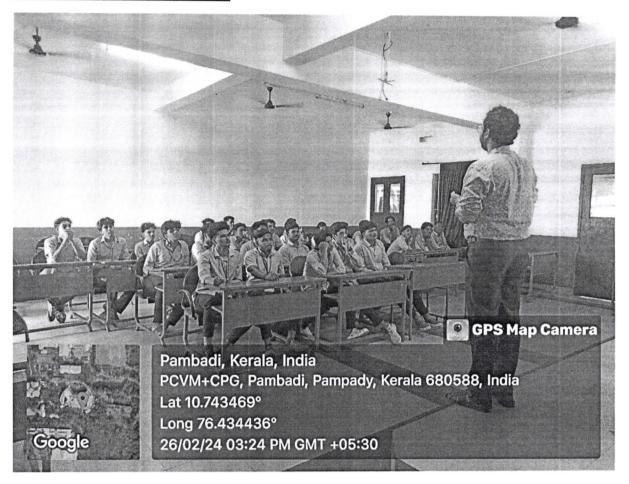
(NAAC Re Accredited with A Grade)



Department of Mechanical Engineering



Emerging trends in Nano fibers



ONE DAY Seminar on Energy Conservation and Management was inaugurated by Prof. Dr. Appadurai M, Head of the Department (Mechanical), NCERC. Mr. Vishnu Vijay Kumar, Assistant Professor, Jain University handled the followed Session.

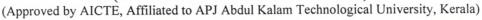
- 1. Introduction to Emerging trends in Nano fibers
- 2. Importance of Emerging trends in Nano fibers
- 3. Methods for Emerging trends in Nano fibers
- 4. Applications of Emerging trends in Nano fibers
- 5. Presentation skills
- 6. Questions and answers

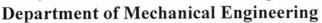
It was concluded by 4.20 PM. Mr. Sudheesh R, Asst. Professor, ME extended vote of thanks on behalf of Department of ME and the whole NCERC team.

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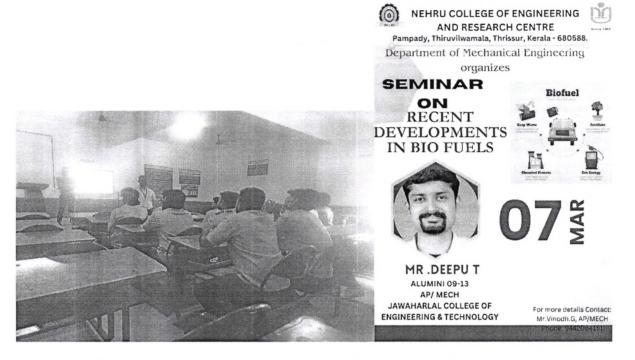
(NAAC Re Accredited with A Grade)







Recent Developments in Bio Fuels:



ONE DAY Seminar on Recent Developments in Bio Fuels was inaugurated by Prof. Dr. Appadurai M, Head of the Department (Mechanical), NCERC. Mr. Deepu T, Assistant Professor handled the followed Session. Introduction to Recent Developments in Bio Fuels, Importance of Recent Developments in Bio Fuels, Methods for Recent Developments in Bio Fuels, Applications of Recent Developments in Bio Fuels, Presentation skills and Questions and answers

It was concluded by 4.20 PM. Mr. Sudheesh R, Asst. Professor, ME extended vote of thanks on behalf of Department of ME and the whole NCERC team.

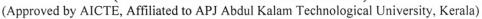


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NCERC I

NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

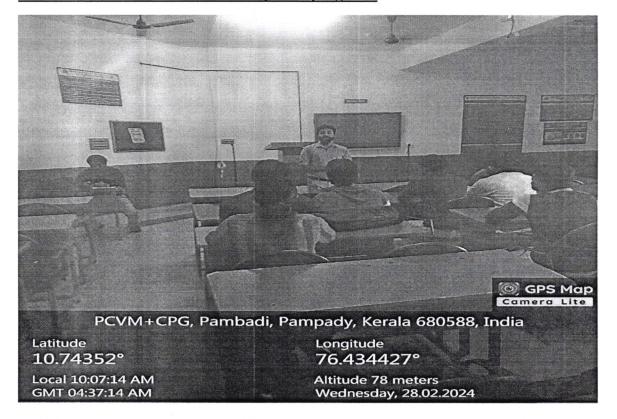
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Department of Mechanical Engineering

Awareness on NACTET skill development programs



ONE DAY Seminar on skill development programs available in National Council for Technology and Training (NACTET) was inaugurated by Prof. Dr. Appadurai M, Head of the Department (Mechanical), NCERC. The 2 Coordinators from NACTET handled the followed Session. Introduction to skill development program. Importance of skill development program. Methods for skill development program. Applications of skill development program. Presentation skills and Questions and answers

It was concluded by 4.20 PM. Mr. Sudheesh R, Asst. Professor, ME extended vote of thanks on behalf of Department of ME and the whole NCERC team.



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(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)

Department of Mechanical Engineering



Recent Trends in Mechanical Engineering

NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

PAMPADY, THIRUVILWAMALA, THRISSUR, KERALA, PIN: 680588 (NAAC "A" ACCREDITED ISO 9001 2015 CERTIFIED) (APPROVED BY AICTE. AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, KERALA)





The formal inauguration of Association of mechanical engineering department 'MECH VEDA' for the academic year 2023-2024 at Nehru college of Engineering and research centre, Pampady was held on October 05, 2023, at 10.00 a.m. by Dr. P A Abdul Samad, Chairman, Board of Studies, A P J Abdul Kalam Technological University, Kerala

Dr. Appaduirai M, Professor and the Head of Mechanical Engineering Department delivered a welcome address. The presidential remarks were done by Dr.Karibasappa kwadiki, Principal of the college. This was followed by the lighting of the lamp by the dignitaries thereby officially launching the Mechanical Department Association. During his speech, Dr. P A Abdul Samad highlighted the importance of the mechanical engineering sector in our world. All heads of departments expressed their wishes to the program.

Certificates of appreciation were distributed to the students those who achieved first three positions in the latest semester university results by the dignitaries.

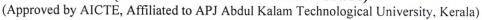
Mr. Adhithyan M A, Student Co-ordinator proposed a vote of thanks. A technical talk by the Chief Guest was conducted after the inauguration ceremony.

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NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE

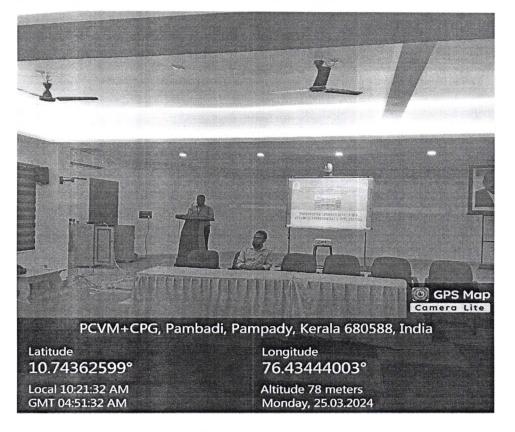
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Department of Mechanical Engineering

Workshop on Computational Fluid Dynamics:



TWO DAY Workshop on Computational Fluid Dynamics: Fundamentals & Applications was inaugurated by Prof. Dr. Appadurai M, Head of the Department (Mechanical), NCERC.

Dr.Favas T K from CUSAT & Mr.Baisel Paul from NCERC.handled the followed Session.

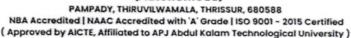
- 1. Introduction to Computational Fluid Dynamics: Fundamentals & Applications
- 2. Importance of Computational Fluid Dynamics: Fundamentals & Applications
- 3. Methods for Computational Fluid Dynamics: Fundamentals & Applications
- 4. Applications of Computational Fluid Dynamics: Fundamentals & Applications
- 5. Presentation skills
- 6. Questions and answers

It was concluded by 4.20 PM. Lt. Sanoj, Asst. Professor, ME extended vote of thanks on behalf of Department of ME and the whole NCERC team.

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Institution's Innovation Council DEPARTMENT OF MCA

Report on the Fifth International E-Conference on Current Techno Trends

Overview

The Fifth International E-Conference on Current Techno Trends was held on 28-06-2024. The event was inaugurated by Chairman and Managing Trustee of NGI Adv.Dr.P. Krishnadas and Dr. Damodaran Parvathivihar. The Conference Proceedings was also released by the Chief Guest. The event focused on the strategic management of technological innovation, attracting participants from various backgrounds, including students, faculty, and industry professionals.

Keynote Address

Dr. Damodaran Parvathivihar, a distinguished expert in the field of technology management, delivered an insightful talk on the importance of strategic management in fostering technological innovation. He emphasized the following key points:

Role of Innovation: Dr. Damodaran Parvathivihar discussed how innovation drives competitive advantage and economic growth.

Strategic Frameworks: He introduced various strategic frameworks that organizations can adopt to effectively manage technological changes.

Case Studies: The session included case studies illustrating successful implementation of these strategies in different sectors.

Future Trends: Dr. Damodaran Parvathivihar highlighted future techno trends that organizations should prepare for, including artificial intelligence, machine learning, and sustainable technologies.

The audience engaged actively, with questions and discussions that enriched the session.

Student Presentations

Following Dr. Damodaran Parvathivihar's keynote, students from the MCA Department presented their research and projects in multiple languages: English, Hindi, and Malayalam. This segment showcased the diversity and talent within the department.

Highlights of Student Presentations

• **Diverse Topics:** Students covered a range of topics, including software development, data analytics, and emerging technologies in healthcare.

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- Language Diversity: Presentations in Hindi and Malayalam allowed students to express their ideas in their native languages, fostering inclusivity and cultural representation.
- **Interactive Sessions:** Each presentation was followed by a Q&A session, encouraging interaction between presenters and the audience.

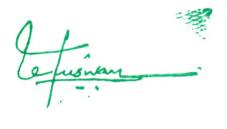
Conclusion

The Fifth International E-Conference was a resounding success, fostering knowledge sharing and collaboration among participants. Dr. Damodaran Parvathivihar's insights into the strategic management of technological innovation provided a valuable framework for attendees. The student presentations highlighted the innovative spirit and linguistic diversity of the MCA Department, making the event a holistic academic experience.

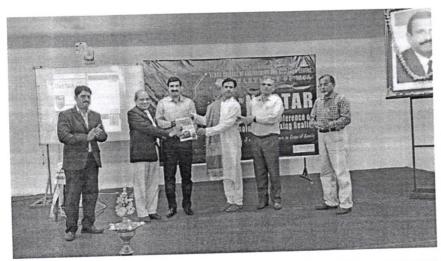
The conference not only enhanced understanding of current techno trends but also inspired future research and collaboration in the field of technology management.

Poster of the activity:





Photograph of the activity:







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(APPROVED BY AICTE, ISO 9001: 2015 CERTIFIED, NAAC ACCREDITED WITH A GRADE)

PAMPADY, THIRUVILWAMALA, THRISSUR- 680588

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

WORKSHOP ON MAKING OF LED BULBS

Title: Hands on Workshop on making of LED bulbs.

Date: 2nd April, 2024

Description:

One day hands on workshop on making of LED bulbs has been conducted on 2nd April 2024, at Nehru College of Engineering and Research Centre, Pampady, by department of ECE, inorder to spread the knowledge and the understanding of energy efficiency and making of LEDs easily among the 1st & 2nd year students of various departments and to give them some experience.

With a silent prayer, the inaugural function has begun at 10 am. Ms. Anooja B, Asst. Prof of ECE department gave the welcoming address speech, Dr. Mredhula L, HOD of ECE department, gave the inaugural and the presidential address. Mr. Sreejith K, lab instructor of ECE department, was our resource person, gave a valuable speech and Mr. Arun Kumar, our student volunteer gave the vote of thanks to who were present and helped to make this event a success. With the lighting of lamp, the workshop has officially begun.

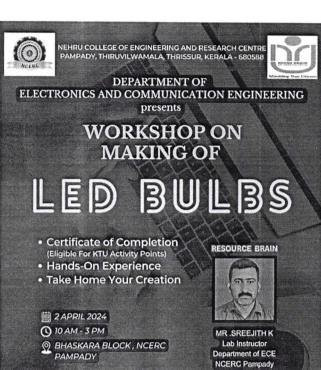
By 11 am, with an introduction speech about the LEDs and their making, the workshop had begun in Electronics Lab at Bhakara block by Sreejith sir. There were 40 students from 1st & 2nd year from various departments. The raw materials and equipments were distributed to them. To assist the workshop, Ambika, Midhun, Nakul Dev were also employed. By 11.30, we provided refreshments for participants and the coordinators.

By 2 pm, each participant had made their own LED bulbs, which they can take home. We also provided certification of participation to the participants, which worth KTU activity points. A token of participation was given to Mr. Sreejith K by our HOD mam, and students said their feedback about the workshop. By taking a group picture the workshop had officially concluded.



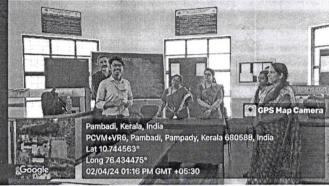


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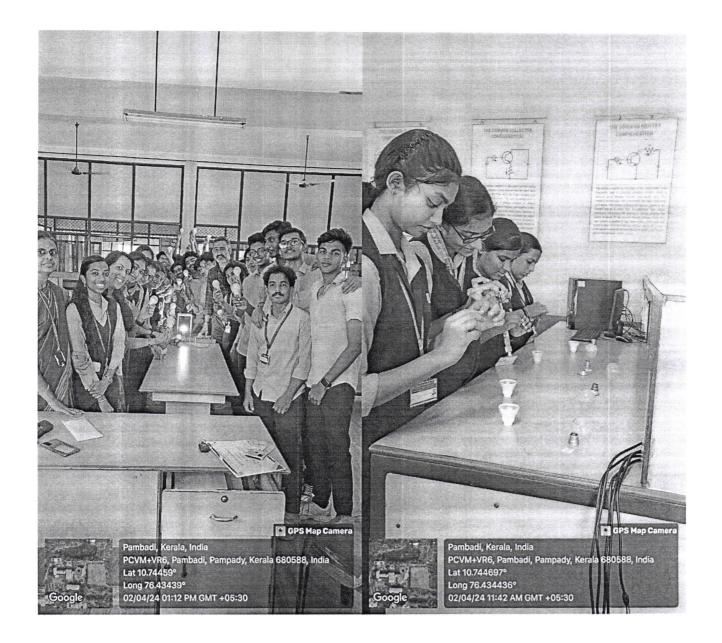
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REGISTRATION FEE: RS 150/-



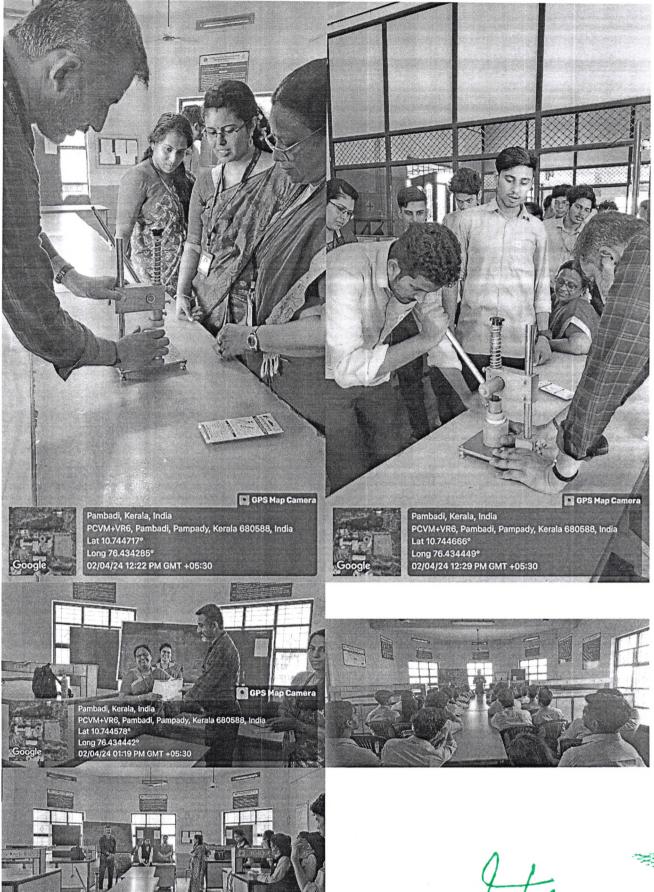








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