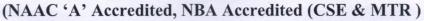
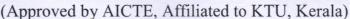


# NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE (AN AUTONOMOUS INSTITUTION)







#### DEPARTMENT OF MECHATRONICS

#### INTRODUCTION

The 4 days workshop was divided into two sessions, first session was on ROS (3/4/23 - 4/4/23) and the second session was on ARDUINO (18/4/23-19/4/23).

The first day started by inauguration at 9 o'clock by the principal and HODs. Our principal gave an inspiring speech about technology and the need to remain updated in this fast changing world. The workshop began right after. We were educated on the basics of the Robotics Operating System and it's impact on our careers and on the world, then we started installation of the software necessary for the working of ROS system. We learnt the basic commands and functions of the system.

The second days began with the familiarization of the components such as NODE MCU, development boards, etc. We then connected the components as per instructions given by the instructors for the working of system and in the end we created some interesting and indulging systems using ROS and hence the first session of the workshop concluded.

The third days marked the beginning of second session which was about ARDUINO, we were first familiarized with the components such as the Arduino board, sensors, etc. We continued throughout the day making a variety of projects which made us get used to the development process.

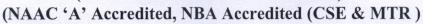
The fourth and final day began with us being handed components for making a robot. We tinkered through the days coming up with and making a prototype of a robot and in the end out hard word was fruitful. Hence the final day concluded with us creating our own robots and we left with knowledge that will help us much in our future endeavors.

The workshop was an eye opening experience for many of us who were much ignorant to the latest developments in robotics and helped us to forge our paths going forward.

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#### DEPARTMENT OF MECHATRONICS (NBA ACCREDITED)

ROSVERSITY

IN ASSOCIATION WITH

AZIMOS (DEPARTMENT ASSOCIATION)

BRINGS YOU

TWO DAYS HANDS-ON WORKSHOP

# ROBOT **OPERATING**

ON APRIL 3 6 4, 2023



MR. ARISH SASEENDRAN CEO. ROSVERSITY PVT LTD

STUDENT COORDINATOR : KAILAS SANKAR

STAFF COORDINATOR : MR. MIDHUNRAJ P. K











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#### **DEPARTMENT OF MECHATRONICS**



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# DEPARTMENT OF MECHATRONICS

(NBA ACCREDITED)

IN ASSOCIATION WITH ACUTRO TECHNOLOGIES PVT LTD

Fr

AZIMOS (DEPARTMENT ASSOCIATION)
PRESENTS

TWO DAYS HANDS-ON WORKSHOP

# PROTOTYPE DEVELOPMENT USING ARDUINO MICROCONTROLLER

18.19 APRIL 2023

STAFF COORDINATOR:
NEETHU M
STUDENT COORDINATOR:
KAILAS SANKAR



+91 80860 08884



WORKSHOP

MR. ASHISH AUGUSTINE DAISON RESEARCH AND DEVELOPMENT HEAD ACUTRO TECHNOLOGIES PVT LTD



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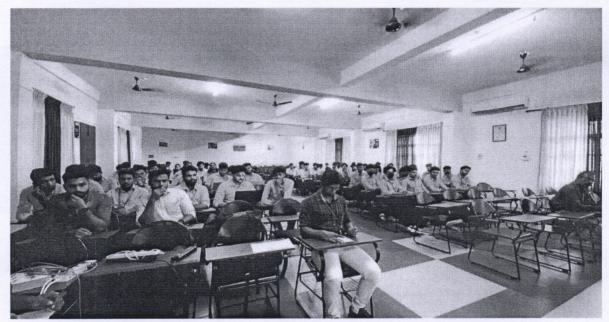
(NAAC 'A' Accredited, NBA Accredited (CSE & MTR)

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# **DEPARTMENT OF MECHATRONICS**







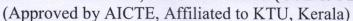


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# NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE (AN AUTONOMOUS INSTITUTION)

(NAAC 'A' Accredited, NBA Accredited (CSE & MTR)





# **DEPARTMENT OF MECHATRONICS**







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# NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE (NAAC "A" Accredited)



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

# REPORT ON

# Yoga Training Programme (YTP) on "YOGA FOR HOLISTIC HEALTH" as part of 8<sup>th</sup> (International Day for Yoga 2022) IDY 2022 Celebration @ NCERC

(7th JUNE - 21st JUNE, 2022)



# Objective of the Workshop on YTP Yoga Training Programme

A fifteen-day Yoga training programme was organized by NSS UNIT 209 in association with ICC and Women's Forum at Yoga Hall Nehru College of Engineering and Research Centre, Pampady. Yoga expert Dr. Mohika and Krishnakumar sir from Bodhi Yoga center guided the session daily for the YTP sessions. Also faculty members Dr. Sudheer Marar sir, shish sir and Ms. Radhika also took sessions during the programme on CYP common Yoga Practices.

# Below were the events on the concluding day on 21st June, 2022

Yoga expert Krishnakumar (Bodhi Yoga Center, Alathur) was the chief guest. Dr. Ambika Devi Amma T( Principal, NCERC), NSS Unit 209 Program Officer Rejumon R, ICC Coordinator Smt. Radhika K, Dr. Sudhir Marar, Head department of MCA also attended the function. The 15 day yoga classes "Yoga for Holistic Health "for students, which began on June 7 to mark International Yoga Day, ended on Yoga Day itself. Certificates were also distributed to the participated students.

Common Yoga Protocol was released and distributed among all departments and put for display in all classrooms.

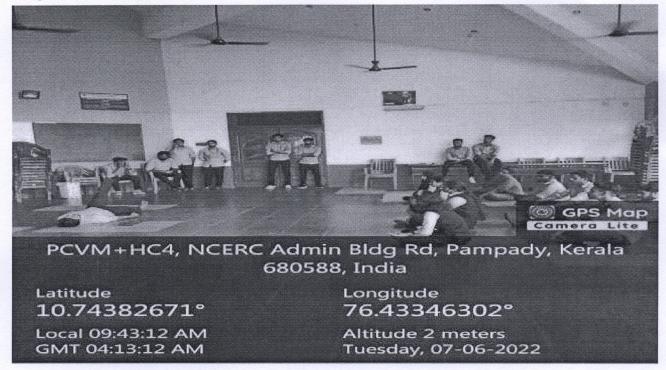
The session was concluded by a vote of thanks from Ms. Radhika K,Assistant Professor. She expressed special gratitude to the dignitaries present on the dias for their informative and useful talk. She also expressed gratitude to the Principal Prof. Dr. Ambikadevi Amma T for their constant encouragement and support in conducting the Webinar, the technical team of MCA Department for supporting the event and participants in making the Workshop a grand success.

Below are the glimpses of the YTP programme on CYP.

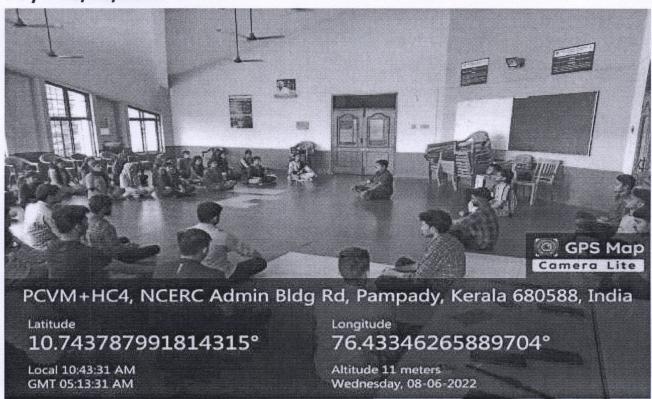
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# Day 1 07/06/2022



# Day 2 08/06/2022

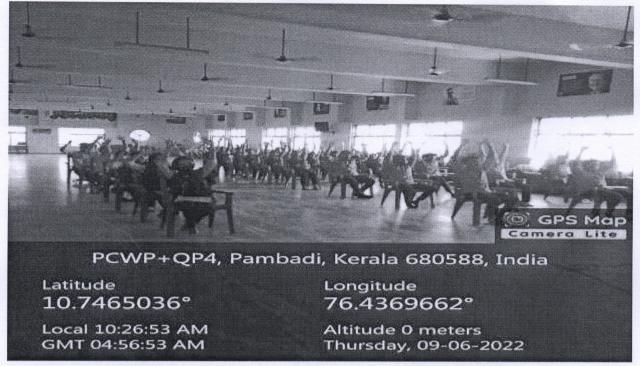




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Nila Gardens, Pampady

Yoga is the Journey of the Self, to the self, through the self.

# 09/06/2022



# Day 4 10/06/2022



PCVM+CM4, Pambadi, Kerala 680588, India Latitude Longitude 10.7435479° 76.4339887°

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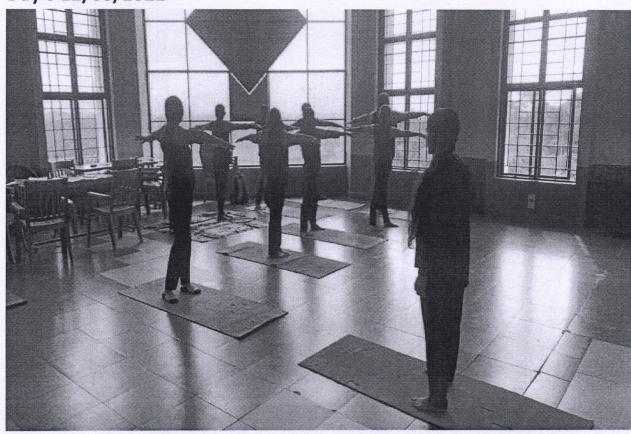
Nehru College of Engineering and Research Centre (Autonomous) Nila Gardens, Pampaov Thiruvilwamala, Thrissur - 68-6-88

Yoga is the Journey of the Self, to the self, through the self.

# Day 5 11/06/2022



Day 6 12/06/2022



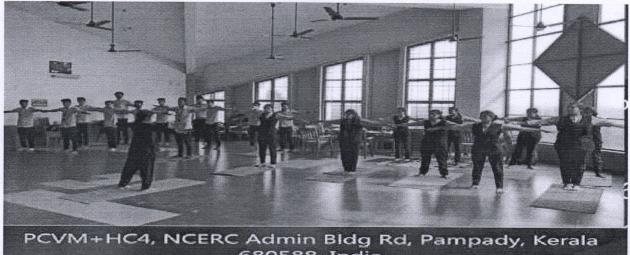


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# Day 7 13/06/2022



680588, India

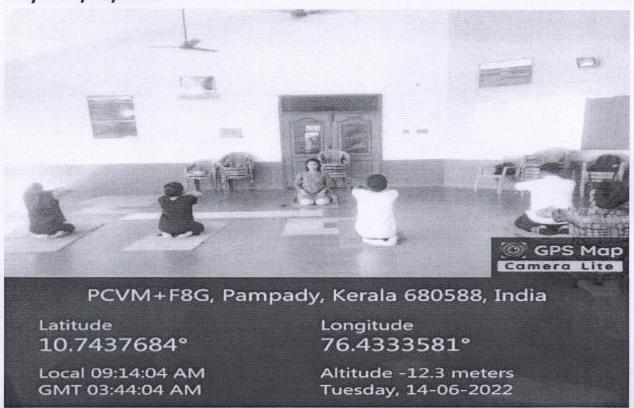
Latitude 10.743808333333334° 76.43345166666667°

Longitude

Local 11:11:51 AM GMT 05:41:51 AM

Altitude 61.1 meters Monday, 13-06-2022

# Day 8 14/06/2022





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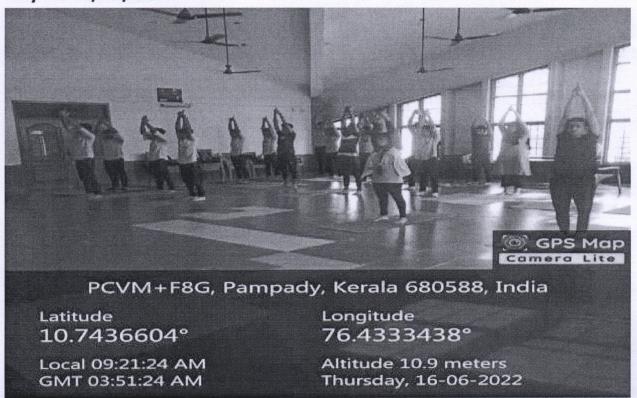
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# y 9 15/06/2022



# Day 10 16/06/2022



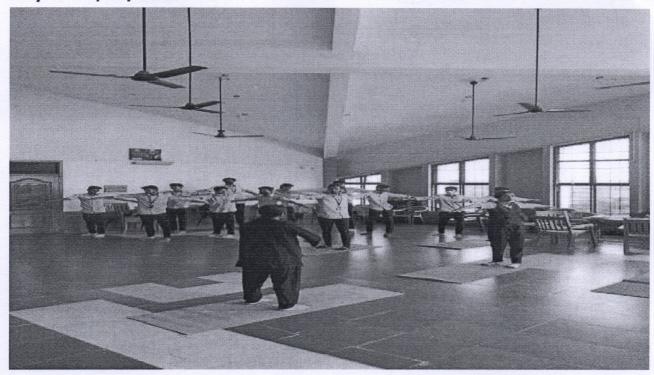


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# Day 11 17/06/2022



Day 12 18/06/2022





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# Day 13 19/06/2022



Day 14 20/06/2022





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# Day 15 21/06/2022

YTP – Yoga training programme on IDY 2022 @ Brahmagupta auditorium.



Release of CYP to be displayed in all departments and classrooms





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# Photo session with the Participants of the YTP programme.







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#### **NSS UNIT 209 - NCERC**

## "WORLD AIDS DAY"

# ORIENTATION AND OATH TAKEN

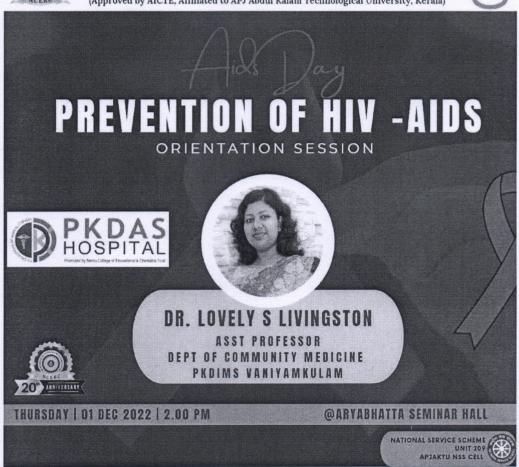
Date: 01-12-22



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An orientation session was arranged by the NSS Unit regarding World AIDS Day on December 1 which was handled by Dr.Lovely S Livingston, Assistant Professor, Dept Of Community Medicine, PKDIMS Vaniyamkulam. An oath was also taken by the students on treating all the individuals infected with HIV

positive equal to others.

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Thrissur - 680588



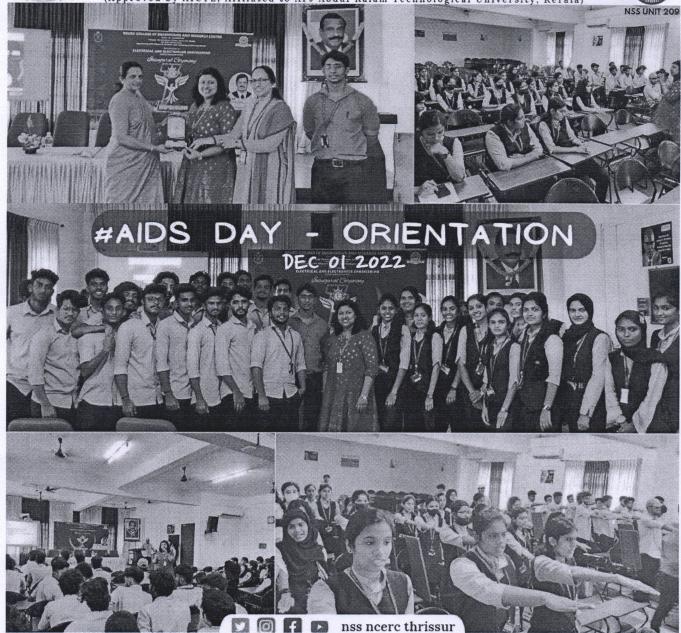






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PROGRAMME OFFICER

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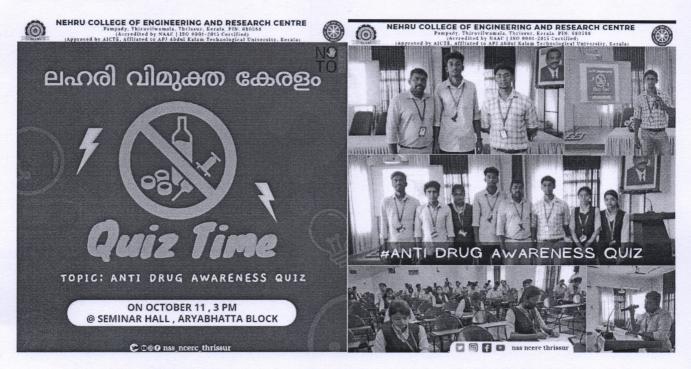
#### **NSS UNIT 209 - NCERC**

# LAHARI VIMUKTHA KERALAM

# **BODHYAM 2022**

# ANTI DRUG AWARENESS QUIZ (STATE EVENT)

Date: 11-10-2022

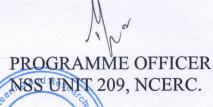


As part of Lahari Vimuktha Keralam, NSS State cell and State Excise Department jointly conducting a state level quiz competition for students, as part of this the NSS unit 209 of NCERC conducted unit level competition of the topic "Anti-drug awareness quiz" on 11/10/22 in seminar hall, Aryabhatta block NCERC at 3PM.

Various students participated in the quiz on the topic 'Anti-drug awareness'. The NSS volunteer Bimal P Shaji won 1st prize and selected to the district level. Malavika S Nair won 2nd prize and Adithya S, Arya U(non NSS), Gokul, Abhijith S shared 3rd prize.







Nila Gardens Pampady Thiruvilwamala Thrissur - 68058





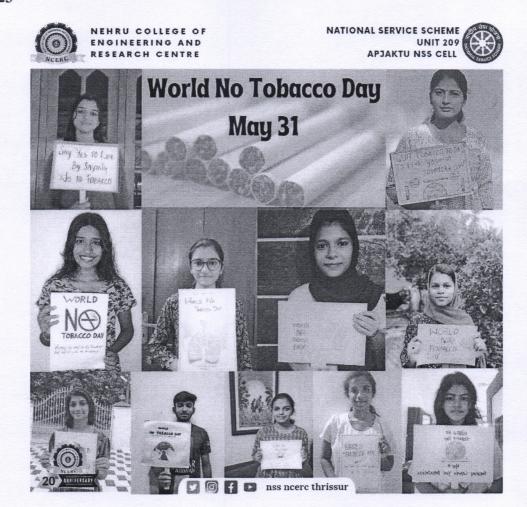
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## **NSS UNIT 209 - NCERC**

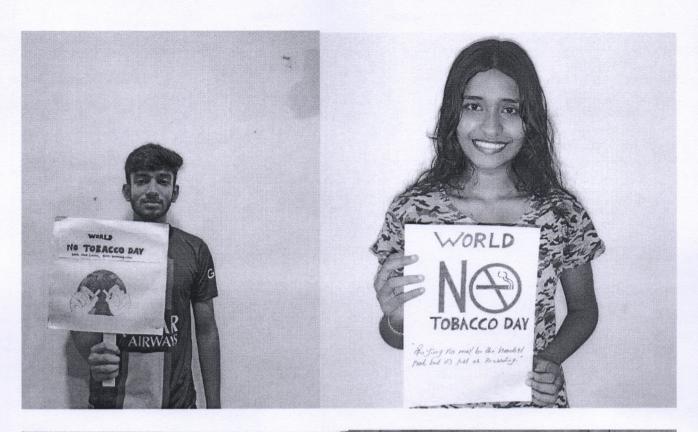
# WORLD NO TOBACCO DAY

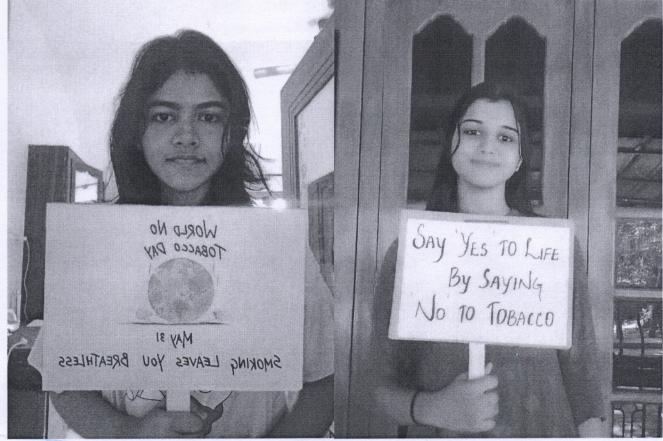
Date: 31-5-23



The NSS volunteers of NCERC pambady conducted a programme in behalf of Tobacco day. We made a video including the pluck card prepared by the volunteers that depict the consequences of using tobacco. We circulated the video on 31/05/2023. The event was successfully completed under the leadership of Senior NSS volunteers, volunteer secretaries Anjana chandran, Abhiram and program officer Rejumon R.

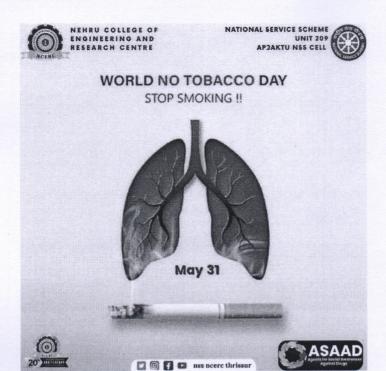


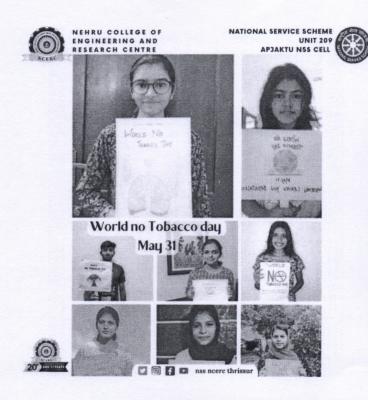














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#### **NSS UNIT 209 - NCERC**

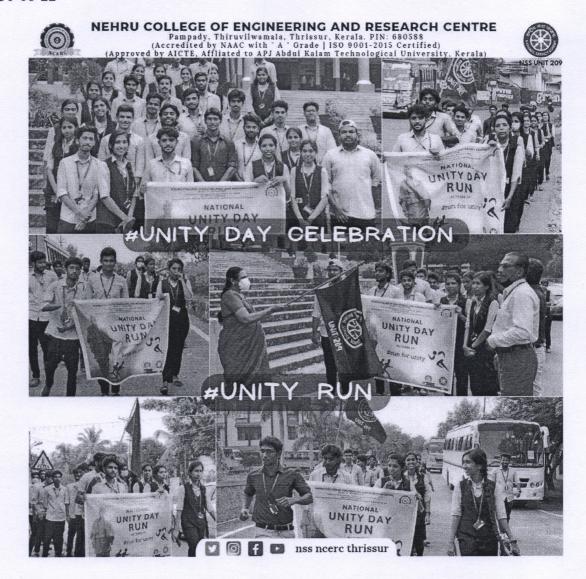
# **UNITY DAY CELEBRATION**

# **UNITY RUN**

Date: 31-10-22

Nila Gardens

ABN # (BUC)



As part of Unity Day celebration, Nehru college of engineering and research center NSS unit 209 volunteers conducted a Unity Run. Every year, October 31 is marked as National Unity Day or Rashtriya Ekta Diwas in India to observe Sardar Vallabhbhai Patel's birth anniversary.

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After having message from the principal we started the run. It was a run for unity which started from our college to pambady.

The day provides an opportunity to reaffirm our strength and diversity in religions, cultures, traditions, and languages.











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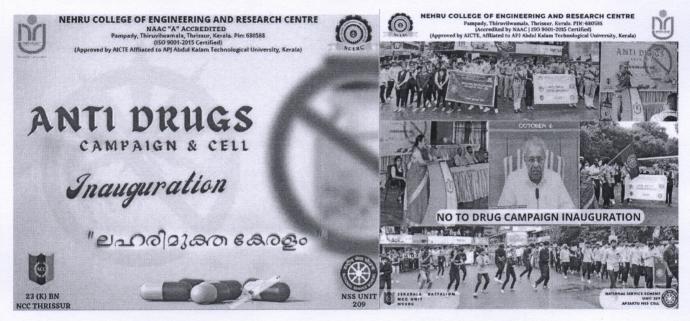
#### **NSS UNIT 209 - NCERC**

# **GANDHI JAYANTI CELEBRATIONS**

# NSS DAY CELEBRATION

No to Drug Campaign

Date: 06-10-2022

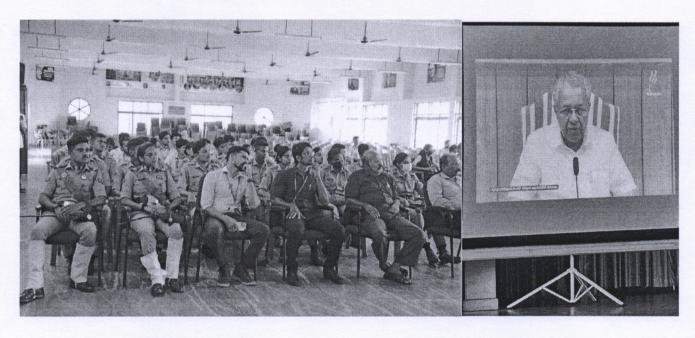


Thiruvilwamala: Anti-drug campaign was inaugurated at Nehru College of Engineering and Research Center on 06/10/22. The event was jointly organized by NSS Unit 209 and NCC 23k Bn Under the leadership of Pazhayannur Police Section and Pazhayannur Excise Section. Chief Minister Pinarayi Vijayan launched the campaign titled 'Laharikethire Navakerala Munnettam', the first phase of which is scheduled to run till Keralapiravi day and also launched the anti-drug club of the college. Principal Dr. Ambikadevi Amma T delivered the keynote speech. Academic Superintendent Shri. Ambika Das presided. Pazhayannur A. S. I Satish Kumar and pazhayannur Civil

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Excise Officer Ajeesh kumar participated in the function and extended their greetings.NCC Coordinator Lt. Sanoj, NSS Coordinator Rejumon R and PTA Vice President Mr. Varghese also spoke.Then the principal flagged off the anti-drug rally. The rally ended with a flash mob of volunteers at the Thiruvilwamala bus stand.

Nila Gardens Pampady Thiruvilwamala Thrissur - 680588

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# NEHRU COLLEGE OF ENGINEERING

AND RESEARCH CENTRE

PAMBADY, THURVILLWAMALA, THRISSUR, KERALA, 680 588
(NAAC & ACCREDITED | 150 9001-2015 CERTIFIED)

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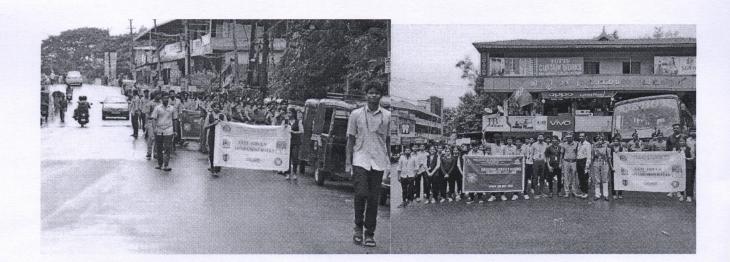
# **ANTI-DRUGS** AWARENESS RALLY

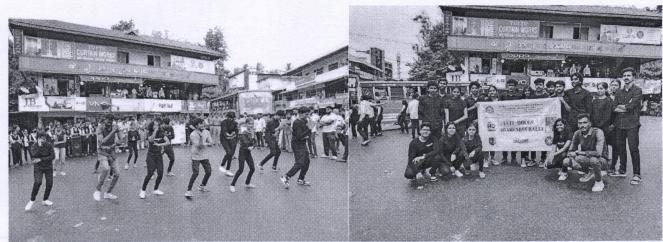




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Home Sliders Local

തിരുവില്വാമലയിൽ ആന്റി ഡ്രഗ് ക്യാമ്പയിൻ

Friday, 7 October 2022, 6:58 am RN Editor 0

തിരുവില്വാമല : നെഹ്റു കോളേജ് ഓഫ് എൻജിനീയറിങ് അൻഡ് റിസർച് സെന്ററിൽ ആന്റി ഡ്രഗ് ക്യാമ്പയിൻ ഉദ്ഘാടനം ചെയ്തു. പഴയന്നൂർ പോലീസ് വിഭാഗത്തിന്റെയും, പഴയന്നൂർ എക്സൈസ് വിഭാഗത്തിന്റെയും നേതൃത്വത്തിൽ എൻ. എസ്. എസ് യൂണിറ്റ് 209, എൻ.സി.സി യൂണിറ്റ് 23k Bn എന്നിവർ സംയുക്തമായാണ് പരിപാടി സംഘടിപ്പിച്ചത് .ലഹരിക്കെതിരെ നവകേരള മുന്നേറ്റം എന്ന പേരിലുള്ള ക്യാമ്പയിനും കോളേജിലെ ആന്റി ഡ്രഗ്ഗ് ക്ലബ്ബിനും തുടക്കം കുറിച്ചു. പ്രിൻസിപ്പൽ ഡോ. അംബികാദേവി അമ്മാ ടി മുഖ്യപ്രഭാഷണം നടത്തി. അക്കാദമിക് സൂപ്രണ്ട് ശ്രീ.അംബിക ദാസ് അധ്യക്ഷത വഹിച്ചു. പഴയന്നൂർ എ. എസ്. ഐ സതീഷ് കുമാർ, പഴയന്നൂർ സിവിൽ എക്സൈസ് ഓഫീസർ അജീഷ് കുമാർ, എൻ.സി.സി കോഡിനേറ്റർ ലഫ്റ്റനന്റ് സനോജ്, എൻ.എസ്.എസ് കോഡിനേറ്റർ റെജുമോൻ ആർ, പി ടി എ വൈസ് പ്രസിഡന്റ് വർഗീസ് എന്നിവർ സംസാരിച്ചു. തുടർന്ന് ലഹരി വിരുദ്ധ റാലി പ്രിൻസിപ്പാൾ ഫ്ലാഗ് ഓഫ് ചെയ്തു. തിരുവില്വാമല ബസ് സ്റ്റാൻഡിൽ വളണ്ടിയർമാരുടെ ഫ്ലാഷ് മോബോടുകൂടി റാലി അവസാനിച്ചു.

PROGRAMME OFFICER NSS UNIT 209, NCERC.



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