

**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE**  
*(Accredited by NAAC, Approved by AICTE New Delhi, Affiliated to APJKTU)*  
**Pampady, Thiruvilwamala(PO), Thrissur (DT), Kerala 680 588**  
**DEPARTMENT OF MECHATRONICS**



**ANNUAL NEWS LETTER MAY-2021**

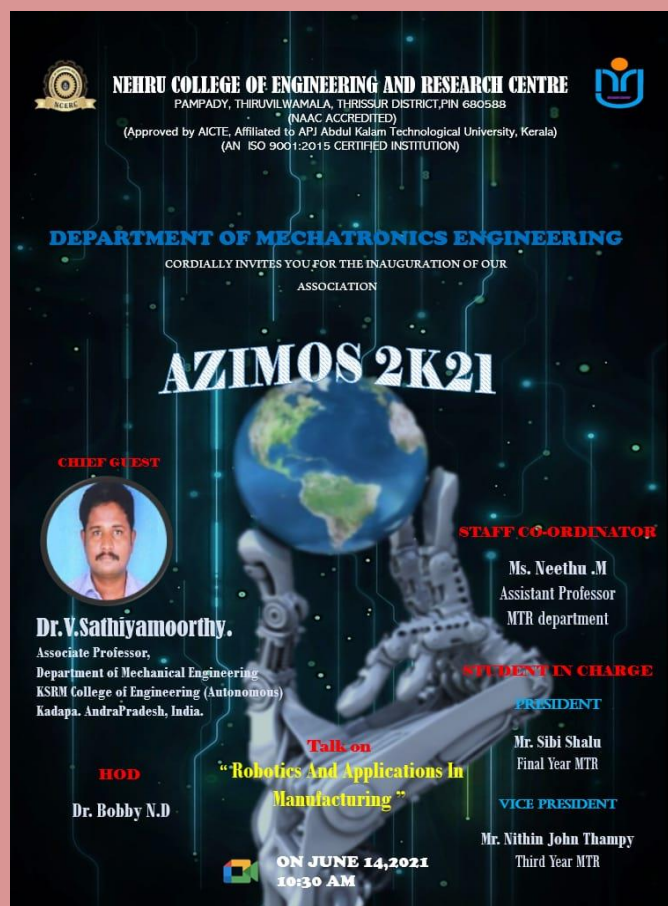


INSTITUTION VISION	INSTITUTION MISSION
<p>To mould true citizens who are millennium leaders and catalysts of change through excellence in education.</p>	<p><b>MI 1:</b> NCERC is committed to transform itself into a center of excellence in Learning and Research in Engineering and Frontier Technology and to impart quality education to mould technically competent citizens with moral integrity, social commitment and ethical values. We intend to facilitate our students to assimilate the latest technological know-how and to imbibe discipline, culture and spiritually, and to mould them in to technological giants, dedicated research scientists and intellectual leaders of the country who can spread the beams of light and happiness among the poor and the underprivileged.</p>
DEPARTMENT VISION	DEPARTMENT MISSION
<p>To develop professionally ethical and socially responsible Mechatronics engineers to serve the humanity through quality professional education.</p>	<p><b>MD 1:</b> The department is committed to impart the right blend of knowledge and quality education to create professionally ethical and socially responsible graduates.</p> <p><b>MD 2:</b> The department is committed to impart the awareness to meet the current challenges in technology.</p> <p><b>MD 3:</b> Establish state-of-the-art laboratories to promote practical knowledge of mechatronics to meet the needs of the society.</p>

## PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

- PEO1:** Graduates shall have the ability to work in multidisciplinary environment with good professional and commitment.
- PEO2:** Graduates shall have the ability to solve the complex engineering problems by applying electrical, mechanical, electronics and computer knowledge and engage in lifelong learning in their profession.
- PEO3:** Graduates shall have the ability to lead and contribute in a team with entrepreneur skills, professional, social and ethical responsibilities.
- PEO4:** Graduates shall have ability to acquire scientific and engineering fundamentals necessary for higher studies and research.


## AZIMOS INAUGURATION



**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE**  
PAMPADY, THIRUVILWAMALA, THRISSUR DISTRICT, PIN 680588  
(NAAC ACCREDITED)  
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)  
(AN ISO 9001:2015 CERTIFIED INSTITUTION)

**DEPARTMENT OF MECHATRONICS ENGINEERING**  
CORDIALLY INVITES YOU FOR THE INAUGURATION OF OUR  
ASSOCIATION

**AZIMOS 2K21**

**CHIEF GUEST**  
  
**Dr. V. Sathiyamoorthy.**  
Associate Professor,  
Department of Mechanical Engineering  
KSRM College of Engineering (Autonomous)  
Kadapa, Andhra Pradesh, India.

**STAFF CO-ORDINATOR**  
Ms. Neethu .M  
Assistant Professor  
MTR department

**OFFICER IN CHARGE**  
Mr. Sibi Shalu  
Final Year MTR

**PRESIDENT**  
Mr. Nithin John Thampy  
Third Year MTR

**VICE PRESIDENT**

**HOD**  
Dr. Bobby N.D

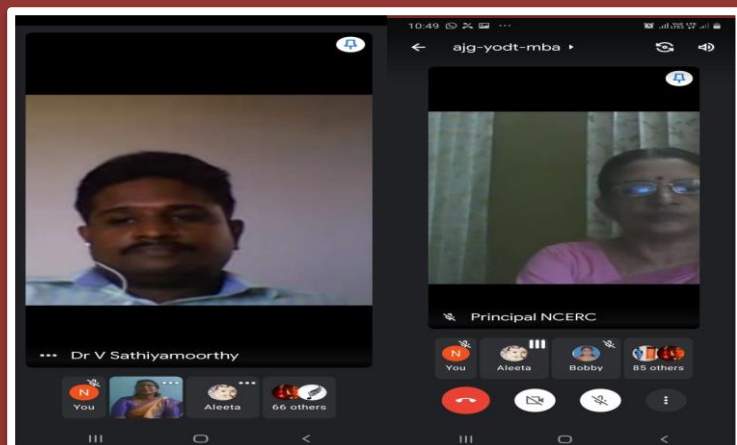
**Talk on**  
"Robotics And Applications In  
Manufacturing"

**ON JUNE 14, 2021**  
10:30 AM

## DEPARTMENT ASSOCIATION

Mechatronics department had a well-functioning students association "AZIMOS" which is inaugurated for the next academic year by Dr. V Sathiyamoorthy, KSRM college, Andhra Pradesh.

After inauguration he gave a technical talk on the topic "Robotics and Applications in Manufacturing" was commenced on 14/06/2021 by effectively using the online meeting platform GOOGLE Meet.

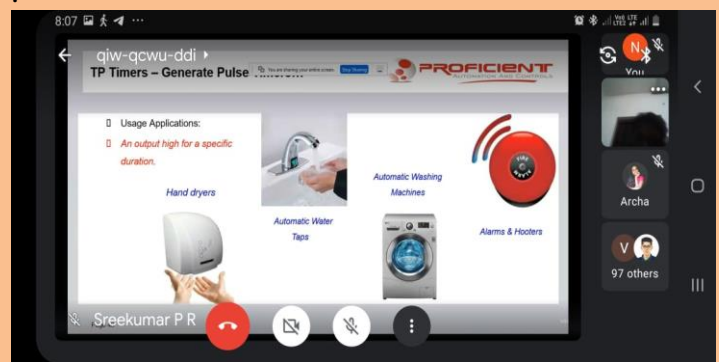


## DEPARTMENT EVENTS



### One Day National Live Workshop on PLC and Industrial Automation

Mechatronics department organized a national level workshop on the topic "PLC and Industrial Automation" was conducted on 30/12/2020 by effectively using the online meeting platform GOOGLE Meet by Mr. Sreekumar P R (Senior Engineer & Technical Trainer)



### One Day National Workshop on "Symbiotic Relationship Between IOT, Cloud Technologies and AI"

Mechatronics department conducted a workshop on the topic "Symbiotic Relationship between IOT, Cloud Technologies and AI" was conducted on 25/11/2020 by effectively using the online meeting platform GOOGLE Meet by Dr Rajan N Moorthy, (retired vice president from KIRUSA).





## DEPARTMENT EVENTS

**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE**  
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 Pampady, Thiruvananthapuram, Kerala (India) - 680 588

**DEPARTMENT OF MECHATRONICS**

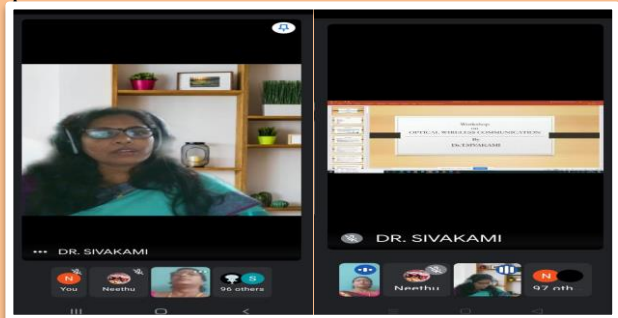
**ONE DAY NATIONAL WORKSHOP ON "OPTICAL WIRELESS COMMUNICATION"**

RESOURCE PERSON:  
**DR. T. SIVAKAMI**

DATE : 28-04-2021  
 TIME : 2.00 PM TO 3.30 PM  
 PLATFORM : Google Meet

### One Day National Workshop on Optical Wireless Communication.

Mechatronics department conducted national workshop on the topic "Optical Wireless Communication" was conducted on 28/04/2021 by effectively using the online meeting platform GOOGLE Meet. Dr T Shivakami was the resource person.



**WEBINAR ON INTRODUCTION TO AUTOTRONICS**

**SPEAKER**  
**JISHNU V PHALGUNAN**  
 ASST. PROFESSOR  
 MECHATRONICS DEPARTMENT  
 NCERC

22<sup>nd</sup> MAY 2020  
 11:00 AM to 12:00 PM

### One Day Webinar on Introduction to Autotronics

Even during the covid 19 pandemic our Mechatronics Dept Organized Webinar On "Introduction To Autotronics" By Our Faculty Jishnu V P to all our students as well as the higher secondary school students in Cisco Webex online platform

**WEBINAR ON TRENDS IN ROBOTICS**

**SPEAKER**  
**RIBIN MATHEW**  
 ROBOTICS ENGINEER  
 ANSCER ROBOTICS, BANGALORE

24<sup>th</sup> MAY 2020  
 11:00 AM to 12:00 PM

### One Day Webinar on Trends in Robotics

Even during the covid 19 pandemic our Mechatronics Dept Organized Webinar On "Trends in Robotics" By Our Alumni Mr. Ribin Mathew, CEO, ANSCER Robotics, Banglore to higher secondary school students in Cisco Webex online platform

## ORGANISED FACULTY DEVELOPMENT PROGRAM

FACULTY DEVELOPMENT PROGRAMME ON

### INTERNET OF THINGS, ROBOTICS AND IT'S APPLICATIONS

(July 21<sup>st</sup> to July 25<sup>th</sup> 2020)

INAUGURAL SESSION: 21<sup>st</sup> July 2020 | 10:30 am

#### Prayer



#### Welcome Address

Dr. Ambikadevi Amma T  
Principal, NCERC



#### Special Address

Dr. P Krishnakumar  
CEO & Secretary, NGI



#### Presidential Address

Adv. Dr. P Krishnadas  
Chairman & Managing Trustee  
Nehru Group of Institutions



#### Felicitation

Dr. S Rajkumar  
Professor & Head  
ECE Department, NCERC

## Five Days Faculty Development Program on “ Internet of Things, Robotics and Its Applications”

Conducted an online 5 days FDP on "Internet of Things, Robotics & its applications" from July 21 to July 25 2020. 84 faculties from within the campus & outside the campus attended the programme



## DEPARTMENT TOPPERS



Amrita S Nair  
2019-23 Batch



Rajith Krishnan  
2018-22 Batch



Anas Mohammed Ali  
2017-21 Batch



## ORGANISED INTERNATIONAL CONFERENCE



Department of Mechatronics engineering program had organized international conference in Emerging Trend in Signals Systems and Information, More than 100 participants from all over the world attended the conference and participated.

## International Conference In “Emerging Trend In Signals Systems And Information”



## Our Rank Holder APJAKTU 2021 passed out batch.



## OUR MEMORABLE GLIMPSES







## **Editorial Board**

**Neethu M (Assistant Professor, MTR)**  
**Midhunraj P K (Assistant Professor, MTR)**  
**Sooryakanth Shenoyi (S8 MTR)**  
**Rajith Krishnan (S6 MTR)**  
**Rishana Mol (S4 MTR)**

