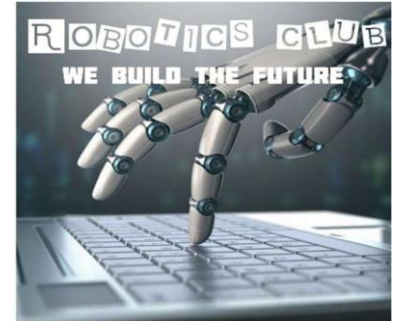


PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY

Kothandaraman Nagar, Dindigul – 624622



PSNA
College of Engineering & Technology



**CENTRE OF EXCELLENCE IN ROBOTICS
AND AUTOMATION**

**ROBO CLUB
PROUDLY LAUNCHES
THE MAGAZINE**

“GIZMO Edition- 2”

On 10-06-2022

ROBO CLUB FACULTY TEAM

- Dr. G. Athisha , HoD/ECE
- Dr. J. Booma, ASP/ECE
- Dr. M. Deivakani, ASP/ECE

ROBO CLUB TECHNICAL INSTRUCTOR

- Mohan kumar M

ROBO CLUB OFFICE BEARERS

Robo Club President :

- Manikandan G
- Gomathi Shruthy S

Robo Club Vice-President :

- Gajhana Selvi V
- Mohamed Sikkandar M
- Yaswanth M

Robo Club Secretary:

- Velu Prabhakaran V
- Pragatheeshwari K

RoboClub Coordinator:

- Shridhar J
- Amrisha Vivinya P M

Technical Heads:

- Gowtham K
- Ariharan S
- Rishikeshvar Ram V
- Vignesh S

Magazine Incharges:

- Santhosh Kumar P
- Rajkishore G

Social Media Incharge:

- Sriharan S
- Supraja R
- Yazhini.B

Department Student Coordinators

- M. Mohaned Sikkandar - ECE
- M. Selvaganesh - CSE
- A.K. Sanjeetha - IT
- S. Logesh – AI & DS
- M. Parthiban - BME

Importance of Robotics and Automation Research Group

- The expansion of the world of AI and ML has revolutionized the business arena.
- Acquiring adept knowledge about the field and its operational tools has gained pre-eminence.
- This Group fulfils one such crucial need of these changing times.
- It was ideated as an on campus, Centre of Excellence in Robotics, Internet of Things (IoT), Artificial Intelligence (AI), Rapid Prototyping (RP) and Industrial Automation, that delivers tailor- made solutions to their clients.

Robotics and Automation Laboratory

- Robotics and Automation Lab at PSNA makes the students industry ready by providing the much-required hands on experience.
- It is in alignment with the New Education Policy laid down by the All-India Council for Technical Education (AICTE).
- Robotics is also identified as one of the Emerging Technologies by the AICTE and this Lab established at PSNA is a step towards providing industry relevant curricula to PSNA CET students.

Features of the Robotics & Automation Laboratory are:

- Advanced state of the art technical research facility within campus
- Hands on practical experience along with required theory
- Consolidation of concepts
- Industry- Institute Interaction
- Standard guidelines and essentials
- Superior quality and Advanced robot study platforms
- Training by Industry Experts

Industry- Institute Interaction :



Facilities in the Robotics & Automation Laboratory :

- The following Technology sections are available in the Robotics Lab:
- Students learn how to use the following:

Section I : Electronics Technology Division

- Sensors
- Microcontroller boards
- Power sources (batteries, power supply, etc.)
- Motor drivers
- Communication modules
- Consumables

Section II : Mechanical Technology Division

- Actuators and different types of motors
- Tools & instruments
- Machines for manufacturing
- Fasteners, adhesives, etc.

Section III : Pneumatics Technology Division

- Pneumatics cylinders
- Flow Control Valves
- Different types of connectors
- Air supply units
- Pneumatics study table and nomenclature
- Pneumatics circuit designing

Robot Study platforms :

- OMIBO: Omni wheel-based robot
- MARSian: Mars Rover prototype
- FLEXO: Haptic Robotic Arm
- Hex Crawler robot
- ROBOMAN robot
- JCBian: Pneumatic Back-hoe Loader

Software :

- Open Source software for coding
- Software for simulation
- Software for designing

Department of Electronics and Communication and Engineering - PSNA College of Engineering and Technology organized inauguration ceremony of ECE ROBO CLUB on 11.12.2021.



PSNA
COLLEGE OF ENGINEERING & TECHNOLOGY
Kothandaraman Nagar, Dindigul-624622



www.psnacet.edu.in

**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**

Proudly Inaugurates
ECE ROBO CLUB

on
Date : 11.12.2021 - Saturday
Time : 1:30 PM to 2:30 PM

ECE- Robo Club Faculty In-charges
Dr. G. Athisha
Dr. M. Deivakani
Dr. J. Booma

ECE- Robo Club Student In-charges
ECE- Robo Club President
Manikandan G
Gomathi Shruthy S
ECE- Robo Club Vice-President
Gajhana Selvi V
Mohamed Sikkandar
Yaswanth M
ECE- Robo Club Secretary
Kirantara B
Sruthi R
Velu Prabhakaran V
Vanshika R



Tmt. K.Dhanalakshmi
Chairperson

Rtn. R.S.K.Raguraam
Pro-Chairman

Dr. D.Vasudevan
Principal





PSNACET – NDLI CLUB and ECE ROBO CLUB organized an one day National workshop on “**Introduction to Robot Operating System**” on 11.12.2021



PSNA
COLLEGE OF ENGINEERING & TECHNOLOGY
 Kothandaraman Nagar, Dindigul-624622



PSNACET - NDLI CLUB

And

ECE ROBO CLUB

JOINTLY ORGANIZES

One Day National Workshop On

INTRODUCTION TO ROBOT OPERATING SYSTEM

Date
11.12.2021 - Saturday

Time
2.45 PM to 3.45 PM

Resource Person

Mr. DIPENDRA SUBEDI *M.S.,*
M.S in Advanced Robotics
University of Agder, Norway.

Robo Club Faculty Members

Convenor Dr. G. ATHISHA <small>Prof. & Head / ECE</small>	Coconvenor Dr. J. BOOMA <small>ASP / ECE</small>	Dr. M. DEIVAKANI <small>ASP / ECE</small>
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Dr.G.Sivakumar, Librarian & NDLI club President	Mr.K.Ramamoorthy, ASP/ECE NDLI club Secretary
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Tmt. K.Dhanalakshmi <small>Chairperson</small>	Rtn. R.S.K.Raguraam <small>Pro-Chairman</small>	Dr. D.Vasudevan <small>Principal</small>
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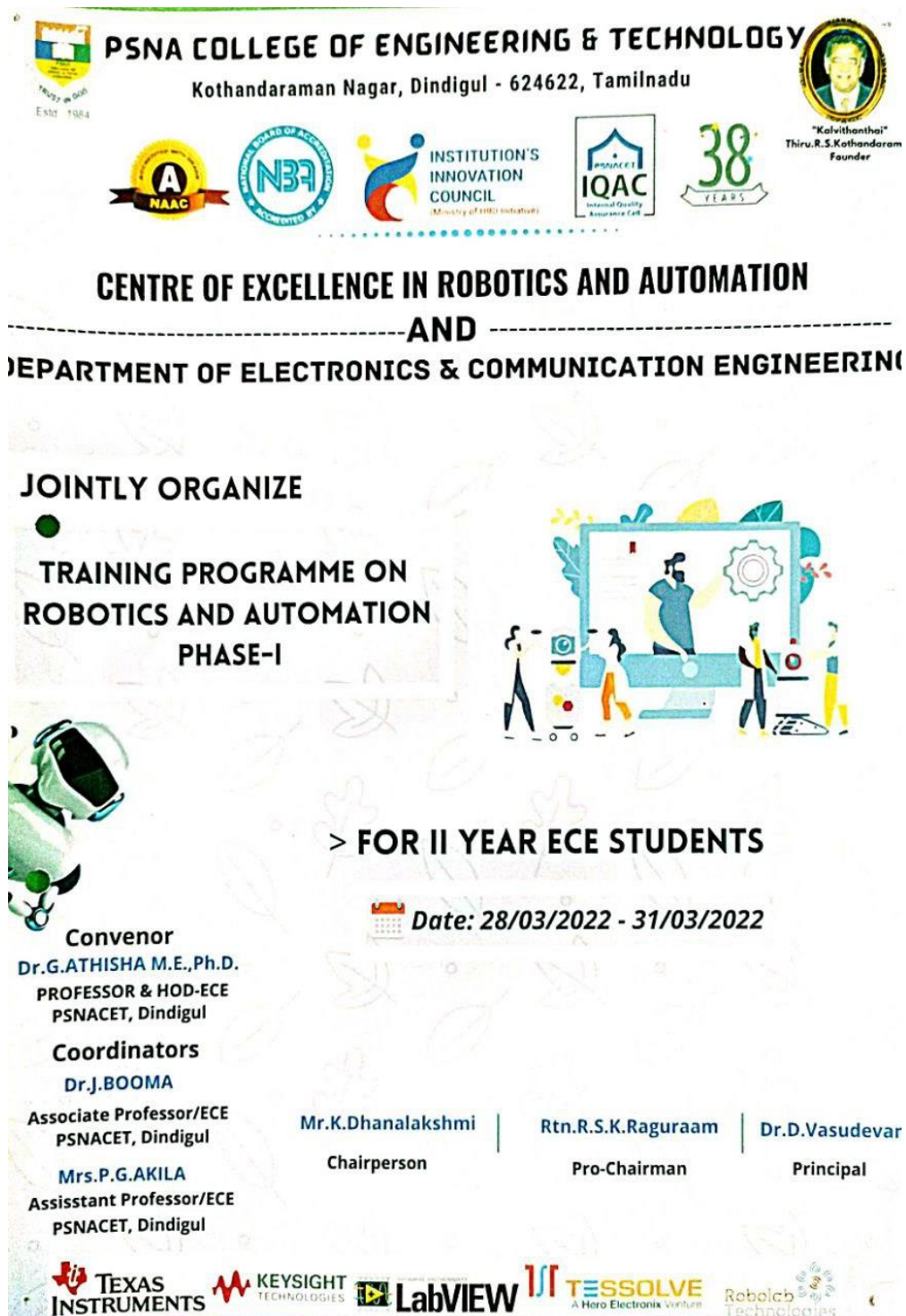


Title: Training Programme on Robotics and Automation Phase – I

Date(s) : 31 – 03 - 2022

Event Coordinators: Dr.J.BOOMA and Mrs. P. G. Akila.

Total Participants: 52



PSNA COLLEGE OF ENGINEERING & TECHNOLOGY
Kothandaraman Nagar, Dindigul - 624622, Tamilnadu

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INSTITUTION'S INNOVATION COUNCIL
Ministry of HRD Initiatives

IQAC
Internal Quality Assurance Cell


38 YEARS

"Kalvithanthal"
Thiru.R.S.Kothandaram
Founder

CENTRE OF EXCELLENCE IN ROBOTICS AND AUTOMATION
AND
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

JOINTLY ORGANIZE

TRAINING PROGRAMME ON ROBOTICS AND AUTOMATION PHASE-I



> FOR II YEAR ECE STUDENTS

Date: 28/03/2022 - 31/03/2022

Convenor
Dr.G.ATHISHA M.E.,Ph.D.
PROFESSOR & HOD-ECE
PSNACET, Dindigul

Coordinators
Dr.J.BOOMA
Associate Professor/ECE
PSNACET, Dindigul
Mrs.P.G.AKILA
Assistant Professor/ECE
PSNACET, Dindigul

Mr.K.Dhanalakshmi
Chairperson

Rtn.R.S.K.Raguraam
Pro-Chairman

Dr.D.Vasudevar
Principal

TEXAS INSTRUMENTS | KEYSIGHT TECHNOLOGIES | LabVIEW | TESSOLVE A Hero Electronix Venture | Robolch Technologies



Title: Training Programme on Robotics and Automation Phase – I

Date(s) : 06 – 05 - 2022

Event Coordinators: Dr.J.BOOMA and Mrs. P. G. Akila,

Total Participants: 52



PSNA COLLEGE OF ENGINEERING & TECHNOLOGY
Kothandaraman Nagar, Dindigul - 624622, Tamilnadu



INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)



"Kalvithanthal"
Thiru.R.S.Kothandaraman
Founder

CENTRE OF EXCELLENCE IN ROBOTICS AND AUTOMATION
AND
DEPARTMENT OF ECE AND AI&DS

JOINTLY ORGANIZE

TRAINING PROGRAMME ON ROBOTICS AND AUTOMATION PHASE-I



> FOR II YEAR AI&DS STUDENTS

Date: 06/05/2022

Convenor

Dr.G.ATHISHA
PROFESSOR & HOD-ECE
PSNACET, Dindigul

Dr.T.HEMALATHA
PROFESSOR & HOD-AI&DS
PSNACET, Dindigul

Mrs.K.Dhanalakshmi
Chairperson

Rtn.R.S.K.Raguraam
Pro-Chairman

Dr.D.Vasudevan
Principal



