



ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY (RCET)

CHIRAMANANGAD P O, AKKIKAVU, THRISSUR-680604

DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION

ROYAL ADVANCED CAREER EDUCATION CENTER (RACE)

ACADEMIC YEAR (2018-2019)

Course Objective

The students will be able to

- Define automation, its systems used in industry such as PLC, DCS, and SCADA.
- Students should understand the working of these systems and should be able to determine hardware and software requirements of PLC, DCS and SCADA.

Course Outcomes

The students will be able to

- Understand the main functioning principles of the most common industrial sensors and actuators.
- Understand the main logic-based models that support design of PLC programs
- Design PLC programs that are able to interpret the information collected from a set of sensors and convert that information into the corresponding actuation.
- Design PLC programs that can communicate with other programs in other PLCs.
- Understand the main challenges related with human machine interaction.

INTRODUCTION SESSION

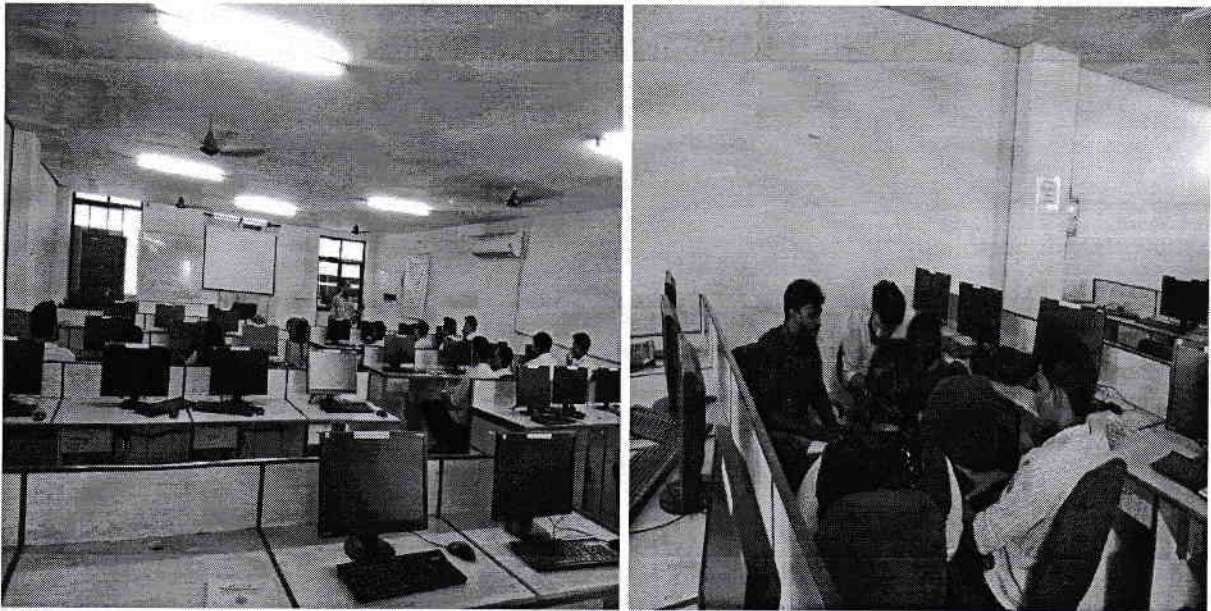
The department of Applied Electronics & Instrumentation has started the Industrial Automation course on 22/02/2019. As a part of this Mr. Subash Nair, Branch Manager, **Prolific Systems and Technologies Pvt. Ltd**, Kochi, India conducted the introduction talk based on **Industrial Automation** for final year students of AEI.

In his speech he has mentioned the importance of doing an add-on course based on Industrial Automation for enhancing the future. The placement opportunities in different

industries were also explained to the students. The previous placement information was also shared by him.

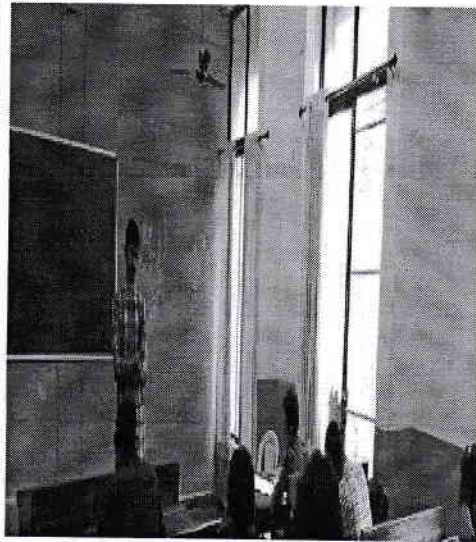
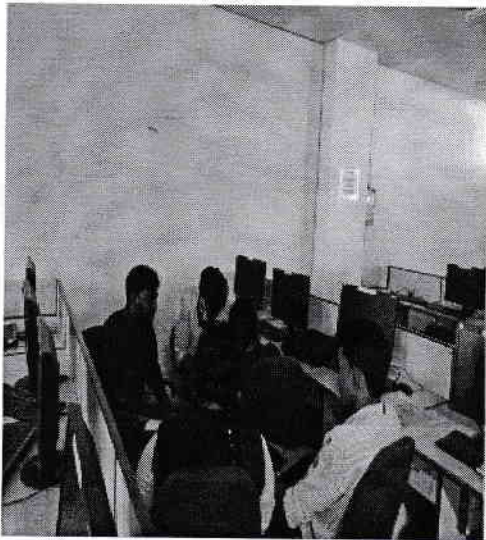
An MOU was signed between **Prolific Systems and Technologies Pvt. Ltd, Kochi**, and **Royal College of Engineering & Technology, Thrissur**.

The second session was handled by Mr.Arjun ,Faculty from **Prolific Systems and Technologies Pvt. Ltd**. In this session he has described the basics of PLC and the real time applications of PLC. The various doubts asked by the students were also cleared by the faculty.

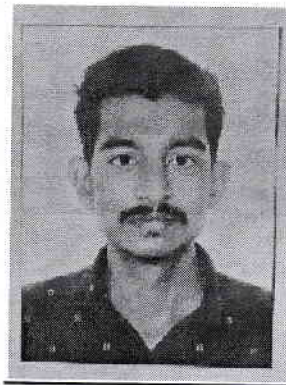


COURSE DETAILS

- Prolific Systems and Technologies Pvt. Ltd, Kochi, Conducted the Post Graduate Diploma in Industrial Automation course (PGDIA).
- Totally 10 students attended the course.
- Total no of Hours:150
- Course Duration - 22.02.19 TO 12.08.19



PLACEMENT DETAILS



ANOOP JOSE - AEI
OBERON AUTOMATION PVT. LTD
Assembly/Design Trainee Engineer

Pradosh kumar P

RACE Co-ordinator

PRINCIPAL
ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY



ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY (RCET)

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DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION

ROYAL ADVANCED CAREER EDUCATION CENTER (RACE)

ACADEMIC YEAR (2017-2018)

Post Graduate Diploma in Industrial Automation (PGDIA)

Course Objective

The students will be able to

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- Design PLC programs that can communicate with other programs in other PLCs.
- Understand the main challenges related with human machine interaction.

Course Details

The course was conducted by prolific systems & Technologies Pvt.Ltd.

- Totally 45 students from ECE and AEI participated in the course.
- Total no of Hours:150
- Course Duration - 01/01/2019 TO 15/06/2018

PLACEMENT DETAILS

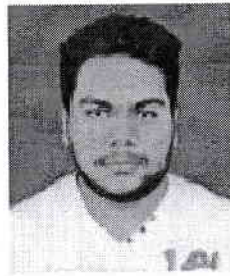


MUHAMMED BADARUDHEEN M

(2014-18 Batch AEI)

Position: Instrumentation Design Engineer

Neon Infotech South East Asia Pvt LTD, Mumbai



NAJOOB A K

(2014-18 Batch AEI)

Position: Trainee Engineer

Prolific Systems Pvt Ltd

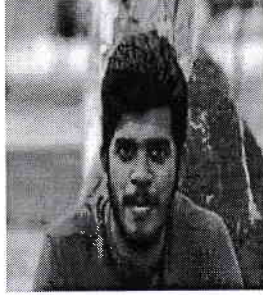


MOHAMMED JUNIDE A

(2014-18 Batch AEI)

Position: Trainee Engineer

Prolific Systems Pvt Ltd



ZAMANUDEEN

(2014-18 Batch AEI)

Position: Trainee Engineer

Prolific Systems Pvt Ltd

Pradeshkumar P



RACE Co-ordinator



**PRINCIPAL
ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY
AKKIKAVU**



ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY (RCET)

CHIRAMANANGAD P O, AKKIKAVU, THRISSUR-680604

DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION
ROYAL ADVANCED CAREER EDUCATION CENTER (RACE)

Post Graduate Diploma in Industrial Automation (PGDIA)

ACADEMIC YEAR (2016-17)

Course Objectives

The students will be able to

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Course Outcomes

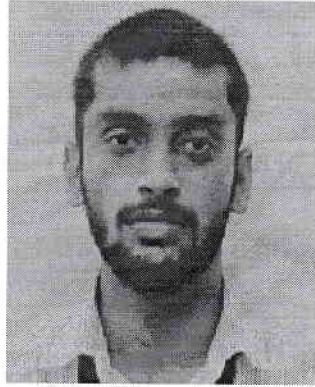
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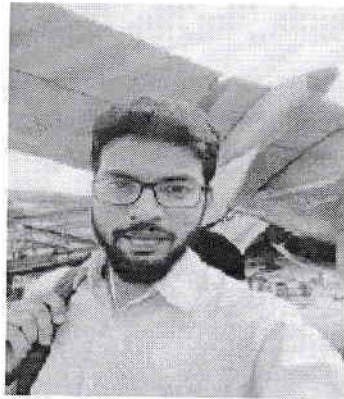
- Prolific Systems and Technologies Pvt. Ltd, Kochi, Conducted the Post Graduate Diploma in Industrial Automation course (PGDIA).
- Totally 18 students attended the course.
- Total no of Hours:150
- Course Duration - 10.02.17 TO 16.05.17

PLACEMENT DETAILS



FAVAZ

POSITION: JUNIOR ELECTRICAL AND INSTRUMENTATION ENGINEER TRIALPHA GENERAL TRADING AND CONTRACTING COMPANY, KUWAIT



HAZIL

Position: JUNIOR CONTROL ENGINEER, ANODE BUSINESS SOLUTIONS, BANGALORE

Pradosh Kumar P

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RACE Coordinator

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ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY
AISEE 2019