



# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

Near Anjugramam Junction, Kanyakumari Main Road, Palkulam, Varyoor P.O. - 629401  
Kanyakumari Dist, Tamilnadu, E-mail : admin@rcet.org.in, Website : www.rcet.org.in

Name of the organization/industry: **VANTAGE ACADEMY**

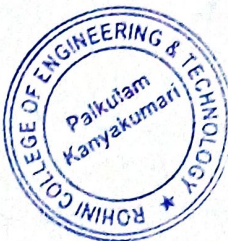
S.no	Name of the Program	Date	Department	No of Students Benefitted
1	ATTITUDE DETERMINE LIFE	22.09.2022	MECH	192
2	SESSION ON IMPARTING SOFTSKILLS THROUGH MANAGEMENT GAMES	07.09.2023	MBA	120

  
**PRINCIPAL**  
Dr. R. RAJESH  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu

  
**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu







# ROHINI

COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Mechanical Engineering

*Presents*

GUEST LECTURE FOR PRE - FINAL YEAR STUDENTS

## "ATTITUDE DETERMINES LIFE"

Venue: Imperial Hall

22<sup>nd</sup> Sep 2022

9 : 45 am to 3 : 45 pm



*Resource Person*

**DR. D. ARUN GLADWIN**

Director, Vantage, Nagercoil

*Chief Patron*

**Shri.K. Neela Marthandan**  
Chairman, RCET

*Patron*

**Dr. N. Neela Vishnu**  
Pro Chairman, RCET

*Patron*

**Dr. V. M. Blessy Geo**  
Managing Director, RCET

**Dr. R. Rajesh**  
Principal, RCET

**Dr. D. Prince Sahaya Sudherson**  
HOD, Mech, RCET

**Dr. A. Sagai Francis Britto**  
3<sup>rd</sup> Year Incharge, Mech, RCET

*Coordinators :* **Er. M. Sergius Joe** Asst. Professor, Mech, RCET **Er. K. Rajasuthan** Asst. Professor, Mech, RCET



**Dr. R. RAJESH**  
PRINCIPAL  
Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Variyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu





Dr. R. RAJESH

PRINCIPAL  
Rohini College of Engineering & Technology  
Ayyangaram Kalakshetra, Palakkad  
Palakkad, Vayalar Road









# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

Near Anjugramam Junction, Kanyakumari Main Road, Palkulam, Varyoor P.O - 629401  
Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in. Website : www.rcet.org.in

**Name of the organization/industry: GALILEOVASAN OFFSHORE AND  
RESEARCH AND DEVELOPMENT PRIVATE LIMITED**

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	INDUSTRIAL TRAINING PROGRAM	15.02.2023	MECH	192

  
**PRINCIPAL**  
**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



  
**Dr. R. RAJESH**  
PRINCIPAL

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Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





# ROHINI

COLLEGE OF ENGINEERING & TECHNOLOGY

APPROVED BY ANITE AND AFFILIATED TO ANNA UNIVERSITY / AN ISO CERTIFIED INSTITUTION

Kanyakumari

DEPARTMENT OF MECHANICAL ENGINEERING

ORGANIZES

## MOU SIGNING CEREMONY & ONE DAY INDUSTRIAL TRAINING PROGRAM FOR PRE-FINAL YEAR STUDENTS

DATE: 15.02.2023

TIME: 9:30 AM

### RESOURCE PERSON

MANAGING DIRECTOR

ER. GM. SRINIVASAN  
PETROCHEMICAL TECHNOLOGIST  
GALILEO VASAN OFFSHORE & RESEARCH AND  
DEVELOPMENT PRIVATE LIMITED,  
NAGAPATTINAM - 611002



Chief Patron

Shri. K. Neela Marthandan

Chairman, RCET

Patron

Dr. N. Neela Vishnu

Pro Chairman, RCET

Patron

Dr. V. M. Blessy Geo

Managing Director, RCET

Dr. R. Rajesh

Principal, RCET

Dr. D. Prince Sahaya Sudherson

HOD, Mech, RCET

Dr. A. Sagai Francis Britto

3rd Year Incharge, Mech, RCET

Er. S.T. Arjun,

Asst Professor, Mech, RCET

Dr. R. RAJESH

Asst Professor, Mech, RCET

Coordinators:

Rohini College of Engineering & Technology

Anjuranam Kanyakumari Main Road,

Palkulam, Veriyoor (P.O.) - 629 401

Kanyakumari District, Tamil Nadu.





**Dr. R. RAJESH**  
PRINCIPAL  
Rohini College of Engineering & Technology  
Aiyeraram Kanyakumari Main Road





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

Near Anjugramam Junction, Kanyakumari Main Road, Palkulam, Varyoor P.O - 629401  
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Name of the organization/industry: **WORLD 3D COIMBATORE**

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	Modelling and Machining Practice for CNC Machines <b>Value Added Course</b>	14.11.2022 to 19.11.2022	MECH	192
2	TWO DAYS NATIONAL WORKSHOP ON 3D PRINTING <b>workshop</b>	20.11.2023	MECH	198



**PRINCIPAL**

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Kanyakumari District, Tamil Nadu

**Dr. R. RAJESH**  
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Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in. Website : www.rcet.org.in

Name of the organization/industry: G3D CREATIONS

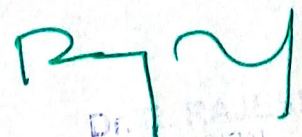
S.no	Name of the Program	Date	Department	No of Students Benefitted
1	Alternate Fuel & application of 3D Printing <b>Certificate Course</b>	03.10.2023 to 18.10.2023	MECH	172
2	Modeling and Machining Practice for CNC Machines <b>Value added Course</b>	4/11/2022 to 19/11/2022	MECH	176



  
**PRINCIPAL**

Dr. R. RAJESH  
PRINCIPAL

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Kanyakumari District, Tamil Nadu.

  
Dr. R. RAJESH  
PRINCIPAL  
Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





## CERTIFICATE OF COMPLETION

This certificate is presented to:

**IMMANUVEL P**

For successful completion of the course "**Alternative Fuel & Application of 3D Printing**" organized by the Department of Mechanical Engineering, Rohini College of Engineering and Technology in association with ASVA 3D World during the period from 03/10/2023 to 18/10/2023.

Course Coordinator



Course Tutor

**DR. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjagramam Kanyakumari Main Road,  
Palakkam, Kanyakumari District, Kerala





## CERTIFICATE OF COMPLETION

This certificate is presented to:

**SANJEEV SL**

For successful completion of the course "**Modeling and Machining Practice for CNC Machines**" organized by the Department of Mechanical Engineering, Rohini College of Engineering and Technology in association with ASVA 3D World during the period from 4/11/2022 to 19/11/2022.



Course Coordinator

Course Tutor

**D. P. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Palakkad, Varyyoor (P.O.) - 629 401,  
Kanyakumari District, Tamil Nadu





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Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in. Website : www.rcet.org.in

**Name of the organization/industry: IREL (INDIA) LIMITED**

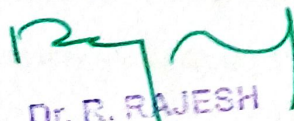
S.no	Name of the Program	Date	Department	No of Students Benefitted
1	Internship	29.06.2023 to 15.07.2023	MECH	9 Students
2	Internship	22.08.2022 to 01.09.2022	MECH	4 Students
3	Internship	29.11.2021 to 04.12.2021	MECH	6 Students
4	Internship	08.11.2021 to 10.11.2021	MECH	5 Students



  
**PRINCIPAL**

**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road  
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Kanyakumari District, Tamil Nadu.

  
**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





आईआरईएल (इंडिया) लिमिटेड

IREL (India) Limited

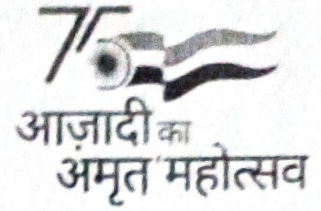
(Formerly Indian Rare Earths Limited)

(भारत सरकार का उपक्रम)

(A Govt. of India Undertaking)

CIN : U15100MH1950GOI008187 Website : www.irel.co.in

ISO 9001:2015, ISO 14001 : 2015 & ISO 45001 : 2018 Company



MK/ICIS/2022/ 3130

August 18,2022

✓ THE PRINCIPAL  
ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY  
NEAR ANJUGRAMAM JUNCTION  
VARIYOOR POST -629 401  
K.K. DISTRICT

Sir,

Sub: Internship Training – Permission - regarding.

With reference to your letter dated 16.08.2022, Competent authority has granted permission to Shri. Rohan. R , Shri. Thanush. M, Shri. Somen Tripathy, Shri. Benish. K, B. E. (Mechanical.) III Year student of your college to undergo training in Mechanical Department of our Company, on the topic Study on "CENTRIFUGAL PUMPS" IN IREL (India) Limited, Manavalakurichi", subject to the following terms and conditions:

1. They may commence their internship training from 22.08.2022 to 01.09.2022 in our company.
2. On joining for internship, they shall update their attendance at the Safety & Training Dept.
3. During the Internship training, any information that they may come across shall be treated confidential and use the information only for academic purpose.
4. By virtue of the permission to undergo the internship training, they will not have any claim or preference for job in the Company at any time.
5. They have to adhere to all the rules and regulations of the Company including timings. They have to undergo the internship training at their own risk and cost and Company as such cannot be held responsible for any unforeseen incidents etc.
6. They have to make their own arrangement for study, transport and food.
7. All expenditure incurred by them during internship training shall solely be borne by them.
8. They should come in college uniform and they should display I.D card.

.....2/-

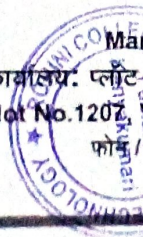
मणवालकुरिचि, कन्याकुमारी जिला, तमिलनाडु - 629 252

Manavalakurichi, Kanyakumari Dist, Tamil Nadu - 629 252

पंजीकृत कार्यालय: प्लॉट नं. 1207, वीर सावरकर मार्ग, सिद्धिविनायक मंदिर के पास, प्रभादेवी, मुंबई - 400 028.

Regd. Office: Plot No.1207, Veer Savarkar Marg, Near Siddhivinayak Temple, Prabhadevi, Mumbai - 400 028.

फोन / Tel. 022 - 2421 1630 / 2438 2042 फैक्स / Fax : 022 - 2422 0236



Dr. B. RAJESH

PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Man Road,  
Paikulam, Variyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



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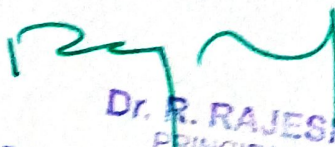
9. Students are not allowed to bring their mobile phones and other electronic devices (Laptop/Tab) etc.
10. During Internship Training, they are attached to Shri P.M. Madhu, Chief Manager (Maintenance) for guidance.
11. On completion of the internship training, they are required to submit a copy of a brief report/ paper to the HOD of HRM Department highlighting their observations and submissions, if any.
12. Students will have to undergo thermal screening at the Security Gate before making entry into the company premises on each day.
13. Students are required to wear Face Mask before making entry to the Company premises, without which they will not be allowed.
14. During the course of their internship / project work, if any student develops any fever/ symptom for Covid-19, they should immediately report the same to the appropriate authorities.
15. Besides the above, if any other guidelines for covid-19 are imposed by the Government/ District Administration during the course of the internship, they must follow the same.

If they are agreeable to the above terms and conditions, they may undergo the internship training.

  
Dy. General Manager (HRM)

Copy to: Shri. Rohan. R , Shri. Thanush. M, Shri. Somen Tripathy, Shri. Benish. K.  
B. E. (MECH.) III YEAR  
ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY  
NEAR ANJUGRAMAM JUNCTION  
VARIYOOR POST -629 401  
K.K. DISTRICT



  
Dr. R. RAJESH  
PRINCIPAL  
Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road  
Palkulam, Variyoor (PO) - 629 401  
Kanyakumari District, Tamil Nadu





आईआरईएल (इंडिया) लिमिटेड

IREL (India) Limited

(Formerly Indian Rare Earths Limited)

(भारत सरकार का उपक्रम)

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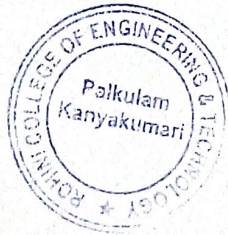
MK/HRM/ICIS/2022/ 5059

September 09, 2022

**प्रमाण - पत्र / CERTIFICATE**

This is to certify that Shri. **THANUSH. M**, III year **B.E (Mechanical)** student of **ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY, NEAR ANJUGRAMAM JUNCTION, PALKULAM** has undertaken the Internship Training in IREL (India) Limited, Manavalakurichi on the subject of "STUDY ON CENTRIFUGAL PUMPS USED in IREL (India) limited, Manavalakurichi" during the period from 22.08.2022 to 01.09.2022.

This certificate is issued for the limited purpose of submission to **ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY, NEAR ANJUGRAMAM JUNCTION, PALKULAM** as proof of Internship Training, as part of his course curriculum.



Dy. General Manager (HRM)

*Rajesh*

**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varkala (P.O.) - 629 401  
Kanyakumari - 629 252, Tamil Nadu

मणवालाकुरिचि, कन्याकुमारी जिला, कन्याकुमारी - 629 252

Manavalakurichi, Kanyakumari Dist, Tamil Nadu - 629 252

पंजीकृत कार्यालय: प्लॉट नं. 1207, वीर सावरकर मार्ग, सिद्धिविनायक मंदिर के पास, प्रभादेवी, मुंबई - 400 028

Regd. Office: Plot No.1207, Veer Savarkar Marg, Near Siddhivinayak Temple, Prabhadevi, Mumbai - 400 028

फोन / Tel.: 022 - 2421 1630 / 2438 2042 फेक्स / Fax: 022 - 2422 0236



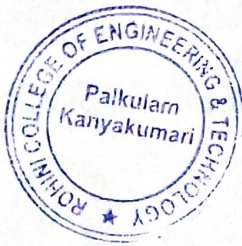



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Kanyakumari Dist, Tamilnadu, E-mail : admin@rcet.org.in. Website : www.rcet.org.in

**Name of the organization/industry: SIEMENS CENTRE OF EXCELLENCE  
IN MANUFACTURING NIT- TRICHY**

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	INDUSTRY 4.0 Value added Course	06.02.2023 to 11.02.2023	MECH	168
2	Welding Inspection Techniques Value added Course	07.03.2022 to 12.03.2022	MECH	154



  
**PRINCIPAL**

**Dr. R. RAJESH**  
PRINCIPAL  
Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu



**Dr. R. RAJESH**  
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Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



# SIEMENS



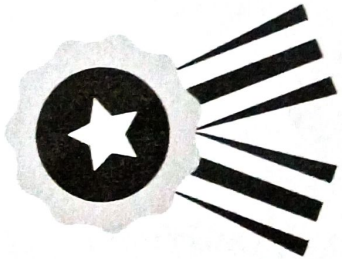
## CERTIFICATE OF COMPLETION



This is to certify that :

# **VIKRAMAN J**

For successful completion of the course "Industry 4.0" organized by the Department of Mechanical Engineering, Rohini College of Engineering and Technology in association with Siemens during the period from 11/02/2023 to 16/02/2023.



*Madhavan*  
Course Co-Ordinator

*Govind K S*  
Course Tutor

**Dr. R. RAJESH**  
Principal  
Rohini College of Engineering & Technology  
Anjupparam: Kanyakumari Main Road,  
Paikulam, Varrayoor (P.O.) - 620 012





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

Near Anjugramam Junction, Kanyakumari Main Road, Palkulam, Varyoor P.O - 629401  
Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in, Website : www.rcet.org.in

**Name of the organization/industry: VIVEKANANDA KENDRA**

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	Renewable Energy Resources Value added courses	06.02.2024 to 10.02.2024	MECH	178



**PRINCIPAL**

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
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**Dr. R. RAJESH**  
PRINCIPAL

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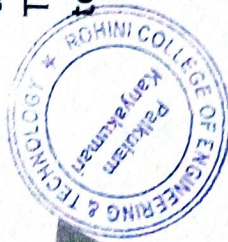
# CERTIFICATE of Completion



This certificate is proudly presented to:

# PRINCECO F

For successful completion of the course "Renewable Energy Resources" organized by the Department of Mechanical Engineering, Rohini College of Engineering and Technology in association with Vivekananda Kendra during the period from 06/02/2024 to 10/02/2024.



Course Co-Ordinator

Course Coach

Dr. R. RAJESH  
Principal  
Rohini College of Engineering & Technology  
Palkulam, Varkala  
Kanyakumari District, Tamil Nadu

029 401





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kanyakumari Dist. Tamilnadu, E-mail : admin@rcet.org.in, Website : www.rcet.org.in


**Name of the organization/industry: PINNACLE BIO SCIENCES**

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	Composite materials and applications online certification	11.03.2024 to 26.03.2024	MECH	167

  
**Dr. R. RAJESH**  
PRINCIPAL

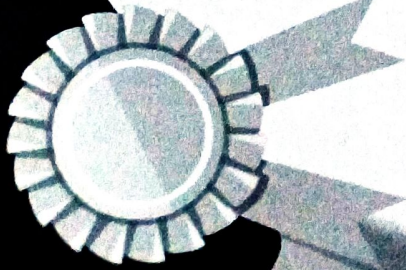
Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Paikulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



  
**Dr. R. RAJESH**  
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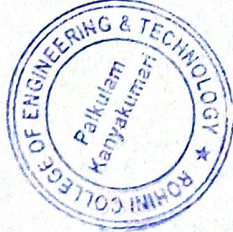


## CERTIFICATE of COMPLETION

WE ARE PROUDLY PRESENT THIS TO

# SAHAYA DYSON S

FOR SUCCESSFUL COMPLETION OF THE COURSE "COMPOSITE MATERIAL & APPLICATIONS" ORGANIZED BY THE DEPARTMENT OF MECHANICAL ENGINEERING, ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY IN ASSOCIATION WITH PINNACLE BIOSCIENCES DURING THE PERIOD FROM 11/03/2024 TO 26/03/2024.



**Course Co-ordinator**

**Course Tutor**

**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjigramam, Kanyakumari Main Road,  
Palikulam, Varkala (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu





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Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in, Website : www.rcet.org.in

Name of the organization/industry: TRIO CADD

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	Auto Cadd Certification	03.03.2023 to 18.03.2023	MECH	156
2	Creo Parametric Certification	08.08.2022 to 13.08.2022	MECH	187



**PRINCIPAL**  
**Dr. R. RAJESH**  
PRINCIPAL

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PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





# CERTIFICATE

OF COMPLETION

PRESENTED TO:

**AATHITHYA VALLUVAN**

For successful completion of the course "CREO Parametric" organized by the  
Department of Mechanical Engineering, Rohini College of Engineering and  
Technology in association with Tri-O CADD during the period from 8/08/2022 to  
13/08/2022.

*T. Selvaraj*

Course Co-Ordinator



*A. Anandhi*

Course Tutor





# Tri-O TECHNOLOGIES CERTIFICATE

OF COMPLETION

PRESENTED TO:

**BENISH K**

For successful completion of the course "AutoCAD" organized by the Department of Mechanical Engineering, Rohini College of Engineering and Technology in association with Tri-O CADD during the period from 3/03/2023 to 18/03/2023.

*J. Selvaraj*

Course Co-Ordinator



*A. Anandh*

Course Tutor

*DR. R. RAJESH*  
PRINCIPAL

Rohini College of Engineering and Technology

Post: Veliyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



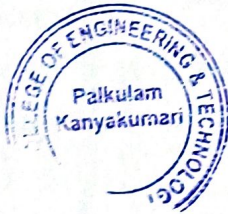


# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in, Website : www.rcet.org.in

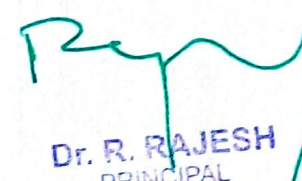
Name of the organization/industry: EDUCADD LEARNING SOLUTIONS LTD.

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	Dipomo in mechanical Cad - Value added Course	17.10.2022 to 22.10.2022	MECH	158



  
**PRINCIPAL**  
Dr. R. RAJESH  
PRINCIPAL

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Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.

  
**Dr. R. RAJESH**  
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Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



**EduCADD**<sup>®</sup>

*Leaders Through Quality Education*

# CERTIFICATE of Completion

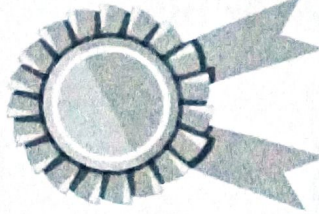
This Certificate is Proudly Presented To

# JESSO THOMAS

For successful completion of the course "**Diploma in Mechanical CAD**" organized by the Department of Mechanical Engineering, Rohini College of Engineering and Technology in association with Edu CADD during the period from 7/10/2022 to 22/10/2022.

*Subash*

**Course Co-Ordinator**



*P. Devaraj*

**Course Tutor**

*P. S. S. S.*

Dr. B.

PRINCIPAL





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kanyakumari Dist, Tamilnadu, E-mail - admin@rcet.org.in, Website - www.rcet.org.in

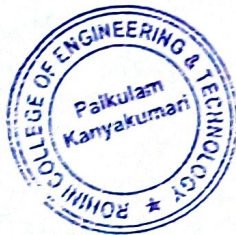
Name of the organization/industry: SRG INFO TECH

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	WORKSHOP ON IOT	14.02.2024	CSE	62

  
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Kanyakumari District, Tamil Nadu.



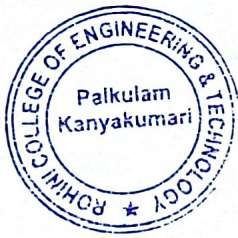



# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kanyakumari Dist, Tamilnadu, E-mail : admin@rcet.org.in, Website : www.rcet.org.in

Name of the organization/industry: ICONIX SOFTWARE SOLUTION

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	WORKSHOP ON IOT BASED SYSTEM DESIGN	09.10.2023 TO 12.10.2023	ECE	62



  
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Kanyakumari District, Tamil Nadu.



**ROHINI College of Engineering and Technology**  
**Kanyakumari**  
**Department of Electronics and Communication Engineering**  
**ACADEMIC YEAR :2023-2024**

**TOPIC: "Workshop on "IOT BASED SYSTEM DESIGN"**

**DATE: 09 Oct 2023 to 12 Oct 2023**

The Association of Electronics and Communication Engineers The Faire Connectrons organized "Workshop on "IOT BASED SYSTEM DESIGN" on 09 Oct 2023 to 12 Oct 2023. The Resource Person for the day was Mr.Saravanakumar, CEO, Iconic Solutions Pvt. Ltd, Tirunelveli. The Introduction for the Resource Person was given by Dr.S. Mohanalakshmi, Professor & Head / ECE. The lecture was attended by 120 students. Then the presentation was started with Resource Person in offline mode.



Kanyakumari  
\* 4507040 \*

**DR. RAJESH**  
PRINCIPAL  
Rohini College of Engineering & Technology  
Annamalai Kanyakumari  
Palkalathu, Varkala (P.O.) - 620 022, TN  
Kanyakumari





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org in, Website : www.rcet.org in

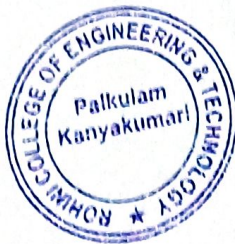
Name of the organization/industry: SMEC AUTOMATION PVT. LTD

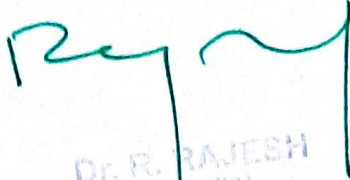
S.no	Name of the Program	Date	Department	No of Students Benefitted
1	CERTIFICATION COURSE ANDROID APPLICATION DEVELOPMENT	06.11.2023 to 09.11.2023	CSE	62

  
**PRINCIPAL**

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Kanyakumari District, Tamil Nadu.



  
**Dr. R. RAJESH**

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Kanyakumari District, Tamil Nadu.



ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

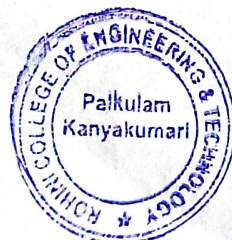
MOU OUTCOME

ACADEMIC YEAR (2023-2024)

S.NO	NAME OF INDUSTRY/INSTITUTE	DATE OF MOU SIGNED	Program Conducted
1.	SMEC AUTOMATION PVT. LTD. KOCHI, KERALA	29.01.2019	VALUE ADDED COURSE

On Behalf of MOU signed by SMEC AUTOMATION PVT. LTD. KOCHI, KERALA has been conducted online certification course from 06-11-2023 to 09-11-2023 in association with Department of Computer Science.

Evidence:



**Dr. R. RAJESH**  
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Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in. Website : www.rcet.org.in

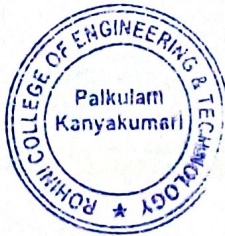
Name of the organization/industry: GUVI NETWORKK PRIVATE LIMITED

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	AI FOR INDIA 2.0	06.08.2023	CSE	8
2	PYTHON	15.08.2023	CSE	7

  
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Kanyakumari District, Tamil Nadu.



# ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

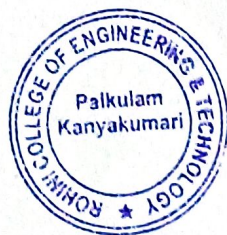
## MOU OUTCOME

ACADEMIC YEAR (2023-2024)

S.NO	NAME OF INDUSTRY/INSTITUTE	DATE OF MOU SIGNED	MOU OUTCOME
1.	GUVI NETWORK PRIVATE LIMITED	09.03.2020	INTERNSHIP/INPLANT TRAINING

On Behalf of MOU signed by GUVI NETWORK PRIVATE LIMITED has been conducted online free certification for the students.

Evidence:



*[Signature]*  
**Dr. R. RAJESH**  
PRINCIPAL  
Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





**Sariga C**

is here by awarded the certificate of achievement  
for the successful completion of

**Python**

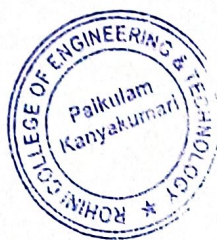
**M. Arunprakash**

Founder and CEO,  
GUVI Geek Networks

Certificate issued on **August 6 2023**

Verified certificate ID: **618334679W13LD511**

Verify certificate at: [www.guvi.in/certificate?id=618334679W13LD511](https://www.guvi.in/certificate?id=618334679W13LD511)



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Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in, Website : www.rcet.org.in

Name of the organization/industry: STELLAMARIS INSTITUTE OF  
DEVELOPMENT STUDIES

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	MUSHROOM CULTIVATION ONE DAY TRAINING	25.10.2023	AGRI	58
2	FIELD TRIP	15.03.2023	AGRI	55



**PRINCIPAL**  
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Kanyakumari District, Tamil Nadu.

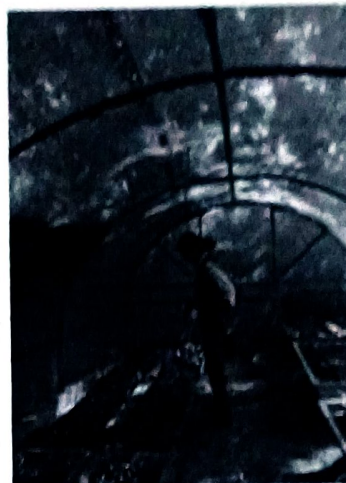
**Dr. R. RAJESH**  
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Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



## Integrated Farming System:

In Stella Maris Institute Of Development Studies, they've been integrated Murungai cultivation with dairy farming , poultry and duckery. They are also breeding pegions of inland and foreign varieties. There is a separate fish farming unit. There are also raising crops by aquaponics and hydroponics method .



*Aquaponics Unit*



*Seedling Production Unit*



*Aquaculture*

## Aquaculture:

Biofloc fish farming offers a sustainable solution for inland fisheries, addressing space, feed, and water quality challenges. By incorporating beneficial microorganisms and supplemental oxygenation, this system promotes healthy fish growth, reduces waste, and increases profitability.



**Dr. R. RAJESH**  
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Kanyakumari District, Tamil Nadu





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kanyakumari Dist, Tamilnadu, E-mail : adm@rcet.org.in, Website : www.rcet.org.in

Name of the organization/Industry: CYRIL SOLAR

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	WORKSHOP	10.10.2022	EEE	62
2	PROJECT	06.01.2023 to 29.03.2023	EEE	16
3	PROJECT	03.01.2024 to 30.03.2024	EEE	8

**PRINCIPAL**  
**DR. R. RAJESH**  
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# WORKSHOP ON RENEWABLE ENERGY AND ITS APPLICATIONS

## REPORT

### 1. Background

Implementation of renewable energy and climate change related policies around the globe will require access to accurate, internationally recognized measurements and standards. These will be critical for both policy-making purposes as well as evaluating the impact of mitigation efforts. Such capabilities will be equally important for assessing the impact of energy and climate change policies on the economic development of each country. Each country need to be aware of the measurement and standards capabilities necessary for implementation of such policies and must be able to ensure the quality and international acceptance of data on Air Quality and Greenhouse Gas (GHG) measurements and characterization of renewable energy sources.

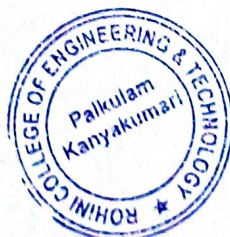
### 2. Objective

The objectives of the Planning Workshop is to:

1. Identify technology and metrology areas where training and sharing of best practices would be most beneficial for society
2. Start planning of workshops to improve local and regional measurement and standards infrastructure for renewable energy
3. Explore ways to promote regional best practices for expanded utilization of renewable energy, maintaining of air quality and other pollutants, and efficient energy use and distribution systems;
4. Develop an initial Action Plan for renewable energy implementation.

### 3. Technical Approach

The Workshop Technical Program is presented in Appendix A. The approach of the workshop was, first, to discuss various technology areas that contribute to development of renewable energy sources and measurement and standards capabilities that would be required to implement these technologies and to monitor the human impact on our environment and the global climate change. During the second day of the Workshop practical implementation and real time research awareness session was conducted. In this session generated a lively discussion by the expert and many of the Workshop attendees. The discussion was focused on the following topics:



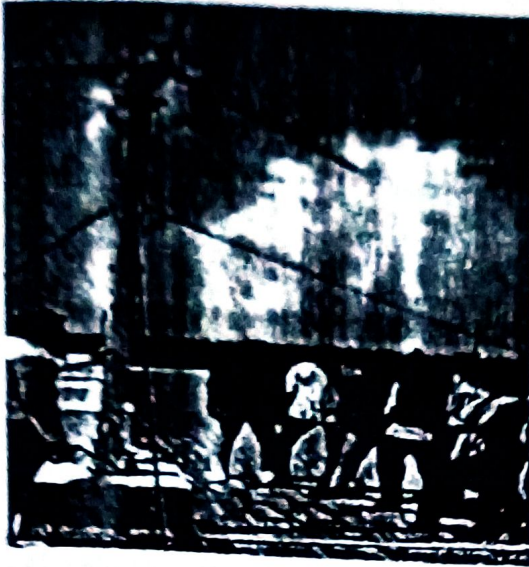
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Kanyakumari District, Tamil Nadu.

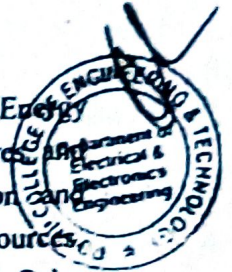


#### 4. Program Profile



#### Module 1:

Statistics on Conventional Energy Sources & Introduction to Renewable Energy Sources: Basics of Electrical Engineering, Different types of Electrical Load, Wires and Cables. Concept of Magnetism & Alternating Current, Generation, Transmission and Distribution of Electricity, Concepts and Classification of Non-Conventional Energy Sources, Renewable Energy and its prospects various RE Sources, Solar cell technologies, Solar Radiation and its Measurements.



#### Module 2:

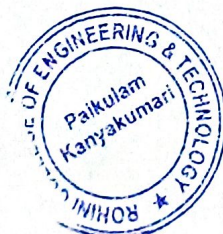
Solar Energy Components of a PV System: Battery, inverter and Charge controllers, Various Tracking mechanisms, Trouble Shooting of different PV system and its important tools used, Solar Thermal Systems, Installation of Solar Power Plant, Commissioning and Testing of Solar Power Plant.

#### Module 3


Wind Energy: Basics and Physics of Wind Energy, Wind systems in India, Wind measurements, instrumentation and data characteristics, Spatial wind resource assessment tools, Grid Integration and System Operational Aspects, Generation Modeling and Control Wind Power Project, Planning & Structuring, Solar Wind Hybrid System.

  
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Kanyakumari District, Tamil Nadu



# SOLAR UNINTERRUPTIBLE POWER SUPPLY

## A PROJECT REPORT

*Submitted by*

RAJADURAI S	963320105045
SUBASH C	963320105054
VIJAY V	963320105049
PRAVEEN R	963320105042

*in partial fulfillment for the award of the degree of*

**BACHELOR OF ENGINEERING**

*in*

**ELECTRICAL AND ELECTRONICS ENGINEERING**

**ROHINI COLLEGE OF ENGINEERING AND  
TECHNOLOGY, PALKULAM, KANYAKUMARI**



**ANNA UNIVERSITY::CHENNAI 600025**

**MAY 2024**

**ANNA UNIVERSITY: CHENNAI 600 025**

i



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Kanyakumari District, Tamil Nadu

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# FABRICATION OF VERTICAL AXIS WIND TURBINE

A PROJECT REPORT

Submitted by

S.M. AJAY	963319104004
V. ATHISH	963319104013
S. KANNAN	963319104030
G. SUBIN	963319104022

*In partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

**ELECTRICAL AND ELECTRONICS ENGINEERING**



**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY**

**PALKULAM, KANYAKUMARI**

**ANNA UNIVERSITY : CHENNAI 600 025**

**MAY 2023**



**D. R. RAJESH**  
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Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu

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ANNA UNIVERSITY: CHENNAI 600 025



**BONAFIDE CERTIFICATE**

Certified that this project report "FABRICATION OF VERTICAL AXIS WIND TURBINE" is the bonafide work of S.M. AJAY (963319105004), V.ATHISH(963319105013), S. KANNAN (963319105030) and G. SUBIN (963319105055) who carried out the project work under my supervision.

SIGNATURE

Mr. P. JEYAKUMAR M.E.,  
HEAD OF THE DEPARTMENT  
Department of EEE,  
Rohini College of Engineering and  
Technology, Palkulam,  
Kanyakumari-629701

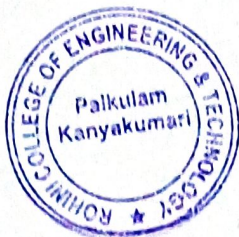
SIGNATURE

Dr.G.K. JABASH SAMUEL  
M.E.,MBA.,Ph.D  
SUPERVISOR  
Department of EEE,  
Rohini College of Engineering and  
Technology, Palkulam,  
Kanyakumari-629701

Submitted for the Viva Voce held on 22/05/23

INTERNAL EXAMINER

EXTERNAL EXAMINER



Dr. P. RAJESH  
PRINCIPAL  
Rohini College of Engineering & Technology,  
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Palkulam, Varkala (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



# VITALISING AND REPOWERING OF OLD WIND TURBINES

## A PROJECT REPORT

Submitted by

**MLAMIRTHA JERUSHA**      **963319105301**

**K.REBEKHA**                      **963319105047**

**N.PAKKIA IRIN VARZHA**      **963319105042**

**R.P.AJISHA**                      **963319105005**

*In partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

**IN**

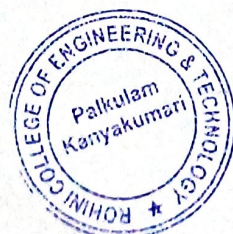
**ELECTRICAL AND ELECTRONICS ENGINEERING**



**ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY**

**ANNA UNIVERSITY: CHENNAI 600 025**

**MAY 2023**



**Dr. R. RAJESH**  
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Kanyakumari District, Tamil Nadu.

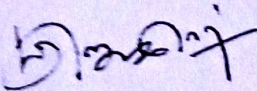
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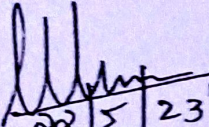
**BONAFIDE CERTIFICATE**

Certified that this project report "VITALISING AND REPOWERING OF OLD WIND TURBINES" is the bonafide work of M.AMIRTHA JERUSHA (963319105301), K.REBEKHA (963319105047), N.PAKKIA IRIN VARZHA(963319105042), R.P.AJISHA(963319105005) who carried out the project work under my supervision.

  
SIGNATURE

Mr.P.JEYA KUMAR,ME.,  
HEAD OF THE DEPARTMENT

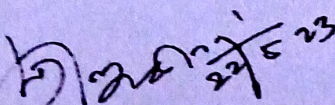
Assistant Professor  
Department Of EEE  
Rohini College of  
Engineering & Technology,  
Palkulam, Kk.Dist

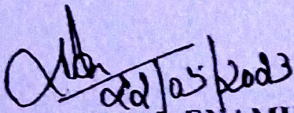
  
SIGNATURE

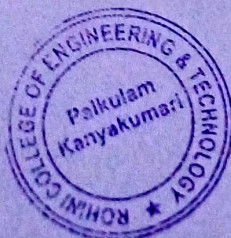
Mr.G.MURUGAN,ME.,  
SUPERVISOR

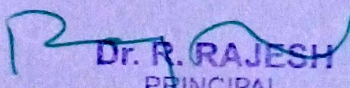
Assistant Professor  
Department Of EEE  
Rohini College of  
Engineering & Technology  
Palkulam, Kk.Dist

Submitted for project viva-voce Examination held on . 22/05/23

  
INTERNAL EXAMINER

  
EXTERNAL EXAMINER



  
Dr. R. RAJESH  
PRINCIPAL  
Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varioor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

Near Anjugramam Junction, Kanyakumari Main Road, Palkulam, Varyoor P.O - 629401  
Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in, Website : www.rcet.org.in

Name of the organization/industry: AB TECHNOLOGIES

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	Machine Learning	20.05.2024 to 25.05.2024	CSE	65

  
**PRINCIPAL**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



  
**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



# ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

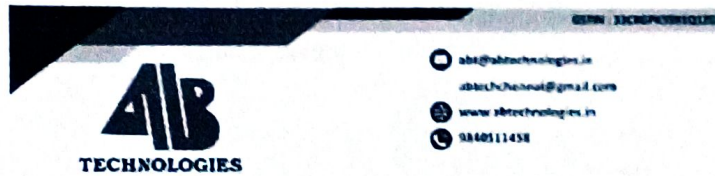
## MOU OUTCOME

ACADEMIC YEAR (2023-2024)

S.NO	NAME OF INDUSTRY/INSTITUTE	DATE OF MOU SIGNED	Program conducted
1.	AB TECHNOLOGIES	08.12.2020	VALUE ADDED COURSE

On Behalf of MOU signed by AB Technologies has been conducted VALUE ADDED COURSE from 20.05.2024 to 25.05.2024 in association with Department of Computer Science.

Evidence:



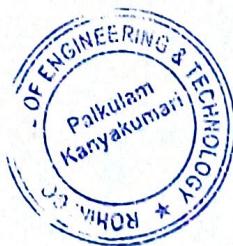
### Certificate of Participation

This certificate is proudly presented to

Miss/Mr. Sinhuja L, a final year student from department of computer science and Engineering for the successful completion of value added course on Machine Learning conducted by AB Technologies in collaboration with Rohini college of Engineering and Technology from 20.05.2024 to 25.05.2024. We appreciate his/her efforts and contribution throughout the course during the period of participation.



*S. Rajesh*  
Manager,  
AB Technologies



*Dr. R. RAJESH*  
PRINCIPAL  
Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Variyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



## Certificate of Participation

This certificate is proudly presented to

Miss/Mr. Bala Abinesh T, a final year student from department of computer science and Engineering for the successful completion of value added course on Machine Learning conducted by AB Technologies in collaboration with Rohini college of Engineering and Technology from 20.05.2024 to 25.05.2024. We appreciate his/her efforts and contribution throughout the course during the period of participation.



*[Signature]*  
Manager,  
AB Technologies.

AB Technologies.



*[Signature]*  
**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjagramam Kanyakumari Main Road,  
Palkulam, Variyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



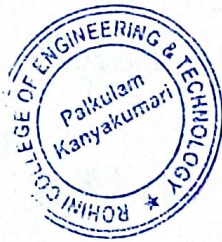


# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

Near Anjugramam Junction, Kanyakumari Main Road, Palkulam, Varyoor P.O - 629401  
Kanyakumari Dist, Tamilnadu, E-mail : admin@rcet.org.in, Website : www.rcet.org.in

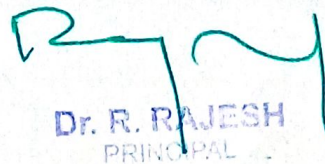
Name of the organization/industry: PRESTO LAND SURVEY, SALEM

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	VALUE ADDED PROGRAM	17.10.2022 to 22.10.2022	CIVIL	120
2	INTERNSHIP	03.10.2023 to 18.10.2023	CIVIL	62
3	PLACEMENT	31.10.2023	CIVIL	3



  
**PRINCIPAL**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.

  
**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





**PRESTO ENGINEERING SERVICES**  
**Land Survey & Construction Management**  
(Approved National Development Agency, Promoted by Govt. of India.)  
Regd No. TN/7015

No: PES 148/2021 - 2023

Date: 31-10-2023

**PRESTO ENGINEERING SERVICES**

No. 7/149, MalliakkaraI., Thammampatti Main Road,  
Near (BSNL Telephone office), Attur-Tk Salem- Dt Pin -636107

**J.S.AKASH**

Department of Civil,  
Rohini College of Engineering & Technology  
Kanyakumari- Dt

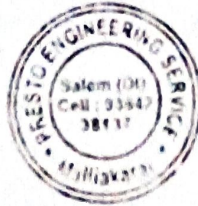
Dear Sir,

We are pleased to offer you position of **ASSISTANT SURVEYOR** in Infogeo survey  
Bangalore Organization.

1. Your joining date is conformed at 10 May 2023 as per the following terms & Conditions
2. Per month 13000 Thousand Rupees & Food and Accommodation
2. Your agree to comply with terms & conditions of Appointment
3. Job location ( Chennai, Bangalore, Hyderabad)
3. You agree to submit with us a signed copy of mark sheets, Pan Card, Adhar card as well as Passport Size Photograph and also bring the copy for verifications.

With Regards

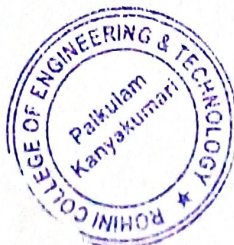
G. Mohanavizhyan  
Executive Director



No. 7/149, MalliakkaraI., Thammampatti Main Road, Near (BSNL Telephone office), Attur-Tk  
Salem- Dt Pin -636107

**Helpline: 6382195015.**

**E-mail: [prestosurveyinstitute@gmail.com](mailto:prestosurveyinstitute@gmail.com) | [prestoinstitutes@gmail.com](mailto:prestoinstitutes@gmail.com)**



**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varioor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kanyakumari Dist, Tamilnadu, E-mail : admin@rcet.org.in, Website : www.rcet.org.in

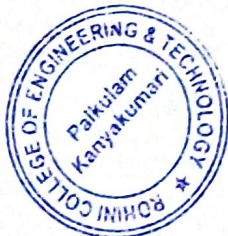
Name of the organization/industry: VEI TECHNOLOGIES

S.no	Name of the Program	Date	Department	No of Faculty Benefitted
1	FACULTY DEVELOPMENT PROGRAM IN MACHINE LEARNING	28.12.2023 to 29.12.2023	CSE	58

  
**PRINCIPAL**

Dr. R. RAJESH  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road  
Paikulam, Varyyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



  
**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road  
Paikulam, Varyyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



# ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

## MOU OUTCOME

ACADEMIC YEAR (2023-2024)

S.NO	NAME OF INDUSTRY/INSTITUTE	DATE OF MOU SIGNED	Program conducted
1.	VEI TECHNOLOGIES	10.09.2021	FACULTY DEVELOPMENT PROGRAM

On Behalf of MOU signed by VEI TECHNOLOGIES has been conducted FACULTY DEVELOPMENT PROGRAM from 28-12-2023 to 29-12-2023 in association with Department of Computer Science.

Evidence:

### ABOUT THE COLLEGE

Rohini College of Engineering and Technology is an ISO certified institute was founded by the great industrialist and philanthropist, Shri. K. Neela Marthandan. The main objective of our college is to advance the knowledge base of the engineering professions and to influence the future directions of engineering education and practice.

### ABOUT THE CSE DEPARTMENT

The Department of Computer Science and Engineering started in the year 2012 with an intake of 60 students in the B.E(CSE) programme. The department offers ME(CSE) programme from 2015 with an intake of 24 students. The department accommodate outcome based education which helps the students to learn, develop and serve to the society. The department has experienced and dedicated faculty with a wide range of specifications like network security, cloud computing, internet of things, Big data and image processing.

### Vision


To create young software professionals to compete the global challenges in the field of computer science and engineering and be researcher to meet the need of society.

### Mission

- To provide quality education to develop software for real time problem in scientific and business application for various needs of industry.
- To provide learning ambience to enhance innovations, problem solving skill, leadership qualities, team spirit and ethical responsibility to serve the society.

### Programme Educational Objectives (PEO)

- PEO1-The graduates will be able to design and to adapt modern tools to innovate ideas and develop computational solution for technological problem.
- PEO2-The graduates will be able to develop professional skills for employment and understand the need of lifelong learning for a successful professional career.
- PEO3-To develop an ability to become successful professional entrepreneur and urge for pursuing higher studies.



## ONLINE FACULTY DEVELOPMENT PROGRAMME ON "MACHINE LEARNING"

From 28th December to 29th December 2023

Organized by  
Department of Computer Science and Engineering,  
Rohini College of Engineering and Technology



**Dr. R. RAJESH**  
PRINCIPAL  
Rohini College of Engineering & Technology  
Anjagramam Kanyakumari Main Road  
Paikulam, Vanyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu



## Overview of the FDP:

- Program Objective: Enhance knowledge and skills in Machine Learning (ML) focusing on theoretical foundations and practical applications for academic and research professionals.
- Target Audience: Designed for faculty, researchers, and industry professionals aiming to integrate ML into teaching, research, and problem-solving.
- Outcome: Participants gain insights into ML concepts and techniques, enabling them to innovate in academic and industry.

## Schedule :

### Day 1: Fundamentals and Basics of Machine Learning

- Session 1: Introduction to Machine Learning
  - Definition and scope of ML
  - Types of ML: Supervised, Unsupervised, Reinforcement Learning
  - Applications in academic, industry, and research
  - Tools and platforms for ML: Python, TensorFlow, Jupyter

### Day 2: Supervised Learning Techniques

- Session 2: Supervised Learning Techniques
  - Linear Regression, Logistic Regression
  - Decision Trees, Random Forests
  - Performance evaluation metrics: accuracy, precision, recall, F1 score
  - Hands-on: Building a simple regression/classification model in Python
- Session 3: Unsupervised Learning Techniques
  - Clustering: K-Means, Hierarchical Clustering
  - Dimensionality Reduction (PCA)
  - Applications in pattern recognition and anomaly detection
  - Hands-on: Implementing clustering in Python

### Day 3: Advanced Topics and Practical Applications

- Session 4: Neural Networks and Deep Learning Basics
  - Introduction to artificial neural networks (ANN)
  - Overview of Deep Learning (Convolutional Neural Networks, Recurrent Neural Networks)
  - Applications in image and speech recognition
  - Hands-on: Implementing a basic neural network using TensorFlow
- Session 5: Natural Language Processing (NLP)
  - Basics of text preprocessing and tokenization
  - Sentiment analysis using ML techniques
  - Hands-on: Building a simple NLP model
- Session 6: Capstone Activity and Wrap-up
  - Discussion on current trends and future scope in ML
  - Capstone mini-project: Building a real-world ML application (e.g., predicting stock prices, classifying images, or chatbot development)
  - Q&A and feedback session

## Resource person

**Mr. B. Eshwaran**  
**Managing Director**  
**VEI Technologies, Chennai**

### Chief Patron

Shri. K. Neela Marudhan, Founder - Chairman

### Patron

Dr. N. Neela Vignu, MBA, Ph.D.,  
 Pro-Chairman

### Patron

Dr. VM. Blessy Cec, MSc, Ph.D.  
 Managing Director

### Patron

Dr. Sarathani Kumar, Professor

### Co-Patron

Mrs. R. Sahila Devi, AP/ICSE

**TWO Days Faculty Development Program on  
 MACHINE LEARNING  
 From 28th December to 29th December  
 2023**

### Registration Form

Name: \_\_\_\_\_  
 Designation: \_\_\_\_\_  
 Department: \_\_\_\_\_  
 Academic/Industry: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 City & Pin: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Contact No.: \_\_\_\_\_  
 Bank: \_\_\_\_\_  
 Amount: \_\_\_\_\_  
 DD No. & Date: \_\_\_\_\_

### Declaration

I, \_\_\_\_\_, agree to abide by the rules and regulations governing the training programme. The information provided herewith is true, to the best of my knowledge.

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Forwarded/Recommended

Signature with seal  
 Head of the Institution

Contact us on: hodcse@rcet.org.in



**Dr. R. RAJESH**  
 PRINCIPAL

Rohini College of Engineering & Technology  
 Anjugramam Kanyakumari Main Road,  
 Palakulam, Varyyoor (P.O.) - 629 401  
 Kanyakumari District, Tamil Nadu.



## Overview of the FDP:

- Program Objective: Enhance knowledge and skills in machine learning (ML) focusing on theoretical foundations and practical applications for academic and research professionals.
- Target Audience: Designed for faculty, researchers, and industry professionals aiming to integrate ML into teaching, research, and problem-solving.
- Outcomes: Participants gain insights into ML concepts and techniques, enabling them to innovate in academia and industry.

## Schedule :

### DAY 1: FUNDAMENTALS AND BASICS OF MACHINE LEARNING

- Session 1: Introduction to Machine Learning
  - Definition and scope of ML
  - Types of ML: Supervised, Unsupervised, Reinforcement Learning
  - Applications in academia, industry, and research
  - Tools and platforms for ML (Python, TensorFlow, Scikit-learn)
- Session 2: Supervised Learning Techniques
  - Linear Regression, Logistic Regression
  - Decision Trees, Random Forests
  - Performance evaluation metrics (accuracy, precision, recall, F1 score)
  - Hands-on: Building a simple regression/classification model in Python
- Session 3: Unsupervised Learning Techniques
  - Clustering (K-Means, Hierarchical Clustering)
  - Dimensionality Reduction (PCA)
  - Applications in pattern recognition and anomaly detection
  - Hands-on: Implementing clustering in Python

- DAY 2: ADVANCED TOPICS AND PRACTICAL APPLICATIONS
- Session 4: Neural Networks and Deep Learning Basics
  - Introduction to artificial neural networks (ANN)
  - Overview of deep learning (Convolutional Neural Networks, Recurrent Neural Networks)
  - Applications in image and speech recognition
  - Hands-on: Implementing a deep neural network using TensorFlow
- Session 5: Natural Language Processing (NLP)
  - Basics of text preprocessing and optimization
  - Sentiment Analysis using ML techniques
  - Hands-on: Building a simple NLP model
- Session 6: Capstone Activity and wrap-up
  - Discussion on current trends and future scope of ML
  - Capstone Workshop: Building a real-world ML application (e.g., predicting stock prices, classifying images or chatbot development)
  - Q&A and feedback session

## Resource person

**Mr. B. Rathavan**  
**Managing Director**  
**VEI Technologies, Chennai**

### Chief Patron

Shri K. Neela Marthandan, Founder - Chairman

### Patron

Dr. N. Neela Vishnu, MBA, Ph.D.,  
 Pro-Chairman

### Patron

Dr. V.M. Bessy George, MSc, Ph.D.  
 Managing Director

### Convener

Dr. Santhana Kumar, Professor

### Coordinator

Mrs. P. Sania Devi, AP/CSE

## FDPs Deep Faculty Development Program on MACHINE LEARNING From 14th September to 19th September 2023

### Registration Form

Name: \_\_\_\_\_  
 Designation: \_\_\_\_\_  
 Department: \_\_\_\_\_  
 Academic Stability: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 City & Pin: \_\_\_\_\_  
 Postal ID: \_\_\_\_\_  
 Contact No: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Amount: \_\_\_\_\_  
 City/Ten. & Date: \_\_\_\_\_

### Declaration

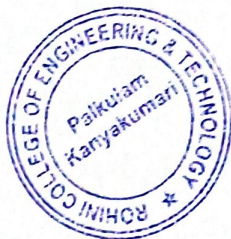
I, \_\_\_\_\_, hereby  
 declare that the information provided in this form is true and correct to the best of my knowledge.

Place: \_\_\_\_\_  
 Date: \_\_\_\_\_

Signature

Department Head and  
 Head of the Institution

Contact us on: [foedee@rcet.org.in](mailto:foedee@rcet.org.in)



**Dr. R. RAJESH**  
 PRINCIPAL

Rohini College of Engineering & Technology  
 Anjugramam Kanyakumari Main Road,  
 Palikulam, Varyoor (P.O.) - 629 401  
 Kanyakumari District, Tamil Nadu.





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

Near Anjugramam Junction, Kanyakumari Main Road, Palkulam, Varyoer P.O - 629 401  
Kanyakumari Dist, Tamilnadu, E-mail: [admin@rohinicollege.ac.in](mailto:admin@rohinicollege.ac.in), Website: [www.rohinicollege.ac.in](http://www.rohinicollege.ac.in)

**Name of the organization/Industry: IDEAL ENGINEERING  
CONSTRUCTIONS**

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	FIELD VISIT	24.10.2023	CIVIL	58

**PRINCIPAL**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoer (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoer (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.



## Report on MOU between Ideal Engineering Construction and Rohini College of Engineering and Technology

Rohini College of Engineering and technology signed Memorandum of Understanding with ideal construction, Nagercoil 24-02-2022. To help student's organization provide the seminars and value added courses. The organization helping to do internship training and site visit related to construction industry. Some of our students get internship through that organization



*Rajesh*  
**Dr. R. RAJESH**  
PRINCIPAL  
Rohini College of Engineering & Technology  
Anjugramam Kanniyakumari Main Road,  
Palkulam, Varkaloor (P.O.) - 629 401  
Kanniyakumari District, Tamil Nadu.



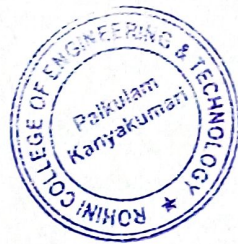


# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

Near Anjugramam Junction, Kanyakumari Main Road, Paikulam, Varkulam P.O - 629401  
Kanyakumari Dist, Tamilnadu., E-mail : admin@rcet.org.in, Website : www.rcet.org.in

**Name of the organization/industry: ENTUDIO PRIVATE LIMITED**

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	PROJECT	03.01.2024 to 30.03.2024	ECE	60
2	PROJECT	03.01.2024 to 30.03.2024	MECH	60
3	PROJECT	03.01.2024 to 30.03.2024	EEE	60



**PRINCIPAL**

**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Paikulam, Varkulam (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





Entudio Pvt Ltd

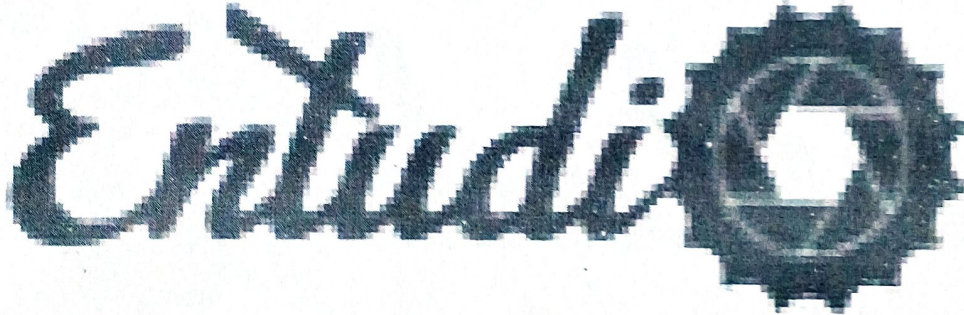
GSTIN: 33AAHCE3151C1Z8  
CIN: U31909TN2022PTC156496

01.04.2024

**CERTIFICATE**

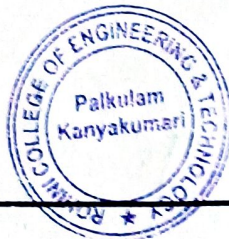
This Letter Certify that **ABBHISHEAK A (Reg.no 963320114002)**, Student of Rohini college of Engineering Technology, has successfully completed his project internship with Entudio Pvt Ltd during the period beginning 3<sup>rd</sup> Jan 2024 and Ending 30 March 2024.

During the period of his project internship program with us, he was found diligent and hardworking. We wish him all the best in his future career opportunities



*S. Rajesh*

Administrator



*Rajesh*

+91 80157 99755

[www.entudio.com](http://www.entudio.com)

Dr. R. RAJESH  
PRINCIPAL +9188707 95518

20-A, Perumal West Car Street, Palayamkottai, Tirunelveli- 627002.

Rohini College of Engineering & Technology  
Palkulam, Varyoork (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





Entudio Pvt Ltd

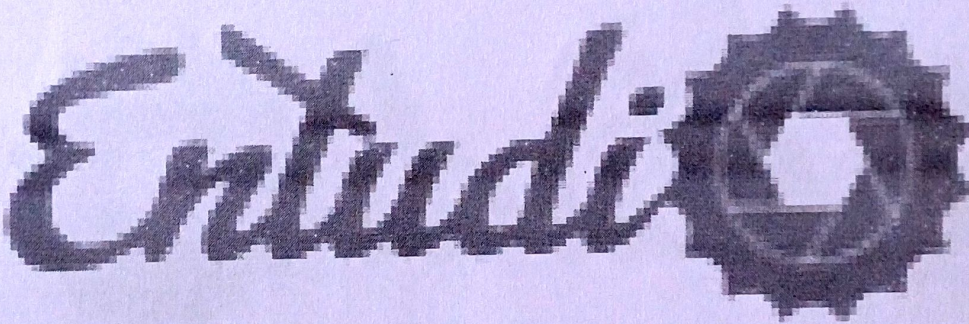
GSTIN: 33AAHCE3151C1Z8  
CIN: U31909TN2022PTC156496

01.04.2024

**CERTIFICATE**

This Letter Certify that **BESLINLUEI D (Reg.no 963320114050)**, Student of Rohini college of Engineering Technology, has successfully completed his project internship with Entudio Pvt Ltd during the period beginning 3<sup>rd</sup> Jan 2024 and Ending 30 March 2024.

During the period of his project internship program with us, he was found diligent and hardworking. We wish him all the best in his future career opportunities



*S. Rajan*

Administrator



*Raj*  
Dr. R. Rajan  
PRINCIPAL

+91 80157 99755

[www.entudio.com](http://www.entudio.com)

+9188707 95518

20-A, Perumal West Car Street, Palayamkottai, Tirunelveli- 627002.

Rohini College of Engineering & Technology  
Palkulam, Vayalar (P.O.) - 627002  
Kanyakumari District, Tamil Nadu.



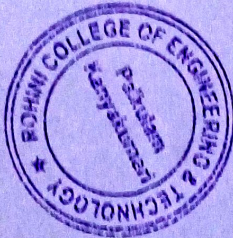


# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

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Kanyakumari Dist. Tamilnadu, E-mail : admin@rcet.org.in, Website : www.rcet.org.in

**Name of the organization/Industry: JM FRICTECH INDIA PVT LTD**

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	PLACEMENT	07.02.2023	EEE	10



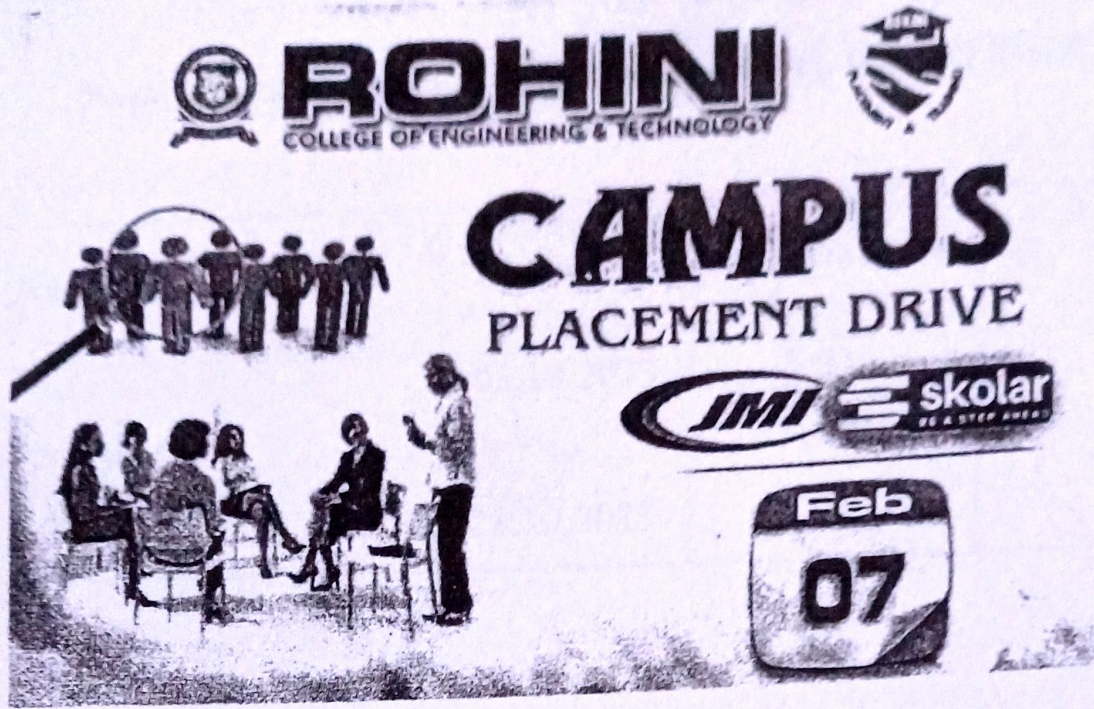
**PRINCIPAL**

**Dr. R. RAJESH**  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Varyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.

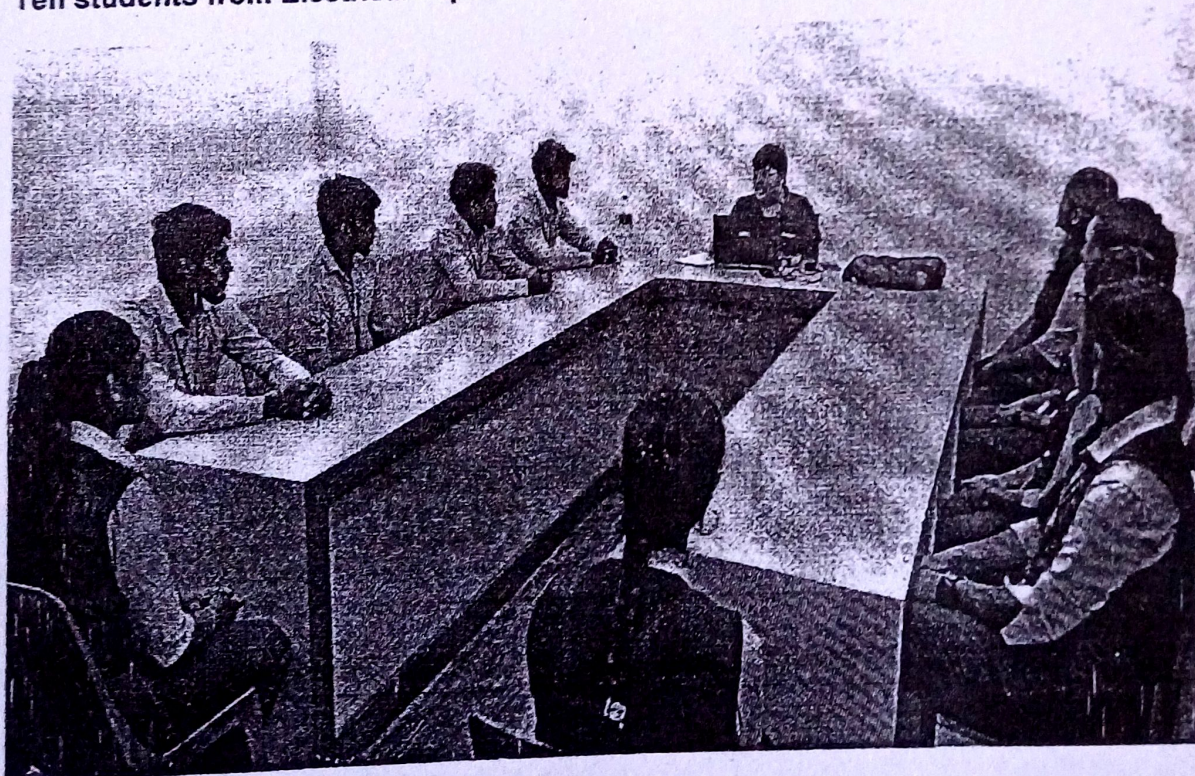


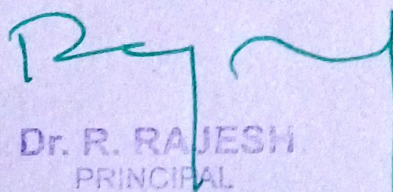
Placement Drive-JM Frictech India Pvt Ltd,Chennai.



JM Frictech India PvtLtd conduct campus drive on 7<sup>th</sup> Feb 2023.

Ten students from Electrical department were selected through this Drive.



  
Dr. R. RAJESH  
PRINCIPAL

Rohini College of Engineering & Technology  
Anjugramam Kanyakumari Main Road,  
Palkulam, Variyoor (P.O.) - 629 401  
Kanyakumari District, Tamil Nadu.





# ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY

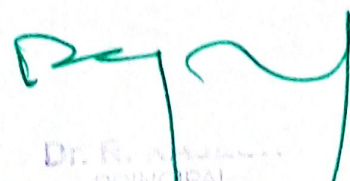
Near Anjugramam Junction, Kanyakumari Main Road, Paikulam, Varyoor P.O - 629401  
Kanyakumari Dist, Tamilnadu, E-mail : admin@rcet.org.in, Website : www.rcet.org.in

**Name of the organization/industry: IDEAL BUILD MART**

S.no	Name of the Program	Date	Department	No of Students Benefitted
1	INTERNSHIP	03.10.2023 to 18.10.2023	MBA	35

  
**PRINCIPAL**



  
Dr. R. [Signature]  
PRINCIPAL  
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Anjugramam Kanyakumari Main Road,  
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**Name of the organization/industry: CAREER DEVELOPMENT  
OPPORTUNITY AND TRAINING**

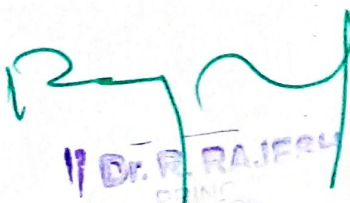
S.no	Name of the Program	Date	Department	No of Students Benefitted
1	SOFTSKILL TRAINING	28.01.2024	ECE	62

  
**PRINCIPAL**

**Dr. R. RAJESH**

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