



# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar  
(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

Date: 04/02/2023

To  
The Principal,  
Vaageswari College of Engineering,  
Karimnagar.

**Subject:** Request Proposal to Conduct Five day FDP on “Recent advancement in material micro manufacturing and characterization”-Reg.

Respected Sir,

In Accordance to Subject cited above I, Head of the Department of Mechanical Engineering here with request with this letter to permit us to conduct a Five day Faculty Development Program on “Recent advancement in material micro manufacturing and characterization” during 07-02-2023 To 11-02-2023. I also request you to provide all the required facilities.

Thanking You,

Yours Sincerely

HOD-Mechanical Engg.

*Permitted*

Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.



# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Timmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

Date: 05-02-2023

## CIRCULAR

It is hereby informed to Mechanical department that a Five-day Faculty Development Program will be held on “Recent advancement in material micro manufacturing and Characterization” from 07<sup>th</sup> FEB to 11<sup>th</sup> FEB 2023. All the teaching and non-teaching members should avail this opportunity to upgrade the technical skills.

Hence, all teaching and non-teaching members should attend the above FDP program without fail.

  
PRINCIPAL

Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.

### Copies to:

- To circulate among all the staff members
- All the Notice Boards
- To all HODS
- Office file

  
Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.





# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar  
(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

Recent advancement in material micro manufacturing and Characterization  
07- 11, FEB 2023

## ATTENDANCE REPORT

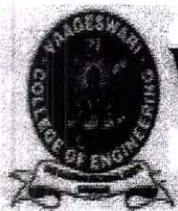
S.No	Name	Day 1		Day 2		Day 3		Day 4		Day 5	
		2/7/2023		2/8/2023		2/9/2023		2/10/2023		2/11/2023	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Dr. Ch Srinivas										
2	Mr.D.Vijaykumar										
3	Mr.B.Laxminarayana										
4	Mr.N.Rajkumar										
5	Mr.R.Sainath										
6	Mr.N.Srinivas										
7	Mr.J.Vijay kumar										
8	Mr.K.Sudharshan										
9	Mr.Md.Yaqub Ali										
10	Mr.V.Arunpandu										
11	Mr.G.Tirupathi										
12	Mr.N.Sampath										

Coordinate

HOD

Principal  
Vaageswari College of Engineering  
KARIMNAGAR

Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527



# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

## A FIVE-DAY FACULTY DEVELOPMENT PROGRAM

on

### Recent advancement in material micro manufacturing and Characterization

07- 11, FEB 2023

## SCHEDULE

Date	Morning Session (10.00 AM -11.30 A	Morning Session (11.45 AM-1.15 PM	Afternoon Session (2.00PM-3. PM)	Resource Person
Day 1 07-02-2023 (Tuesday)	Inauguration	Introduction To  Recent advancement in material micro manufacturing and Characterization	Advances in Manufacturing, Characterization and Applications of Functional Micro/Nano Structured Surfaces	Dr.CH.Srinivas Professor&Princi pal, Dept of MECH,
Day 2 08-02-2023 (Wednesday )	functional micro- /nanostructu red surfaces	functional micro- /nanostructure d surfaces	Manipulators & Effectors.	J. Vijay Kumar Assistant Professor, Dept of MECH,
Day 3 09-02-2023 (Thursday)	characterizat ion  application  bioinspired surfaces	characterizatio n  application  bioinspired surfaces	characterization application  bioinspired surfaces	J. Vijay Kumar Assistant Professor, Dept of MECH,

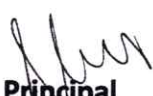
Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.



Date	Morning Session (10.00 AM -11.30 AM)	Afternoon Session (2.00PM-3.30 PM)	Afternoon Session (2.00PM-3.30 PM)	Resource Person
Day 4 10-02-2023 (Friday)	<i>Special Feature</i>	<i>Special Feature</i>	<i>Special Feature</i>	<b>D.Vijay Kumar</b> <b>Assistant Professor,</b> <b>Dept of MECH,</b>
Day 5 11-02-2023 (Saturday)	<i>Atomic force microscopy: Harness the power of AFM for materials science</i>	<i>Atomic force microscopy: Harness the power of AFM for materials science</i>	<i>Feedback</i>	<b>D.Vijay Kumar</b> <b>Assistant Professor,</b> <b>Dept of MECH,</b>

  
Coordinator

  
HOD

  
Principal  
Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.

  
Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.



# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

## Feedback Form

Title of the FDP: Recent advancement in material micro manufacturing and Characterization

Date: 07/02/2023 to 11/02/2023

1. Name of the Participant : B. LAXMINARAYANA

2. Designation & Department : Asst professor

- The numbers rating are: 1.VeryBad 2.Bad 3. Good 4.VeryGood 5. Excellent
- Tick (✓) the answer that fits your experience. Your sincere feedback will help the centre to improve servicedelivery.

S. No.	A.) Subject Command	1	3	4	5
	How well the Resource Person focus on the topic				
1	Focus on the topic			✓	
2	Communication skills				✓
3	Self Confidence				✓
4	Conducting class room discussions				✓
5	Reference to the latest development				✓
6	Linking subject to the life experience				✓
7	Creating interest in the subject				✓
8	Encouraging high order of critical thinking				✓
9	Encourages me to raise and make comments				✓
10	Challenges me to think				✓

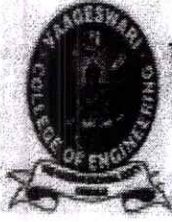
S. No.	B.) Content	1	2	3	4	5
	Depth of knowledge of the Resource Person					
1	Well organized and prepared for the class					✓
2	Knows his/her subject					✓
3	Ability to clear areas of confusion				✓	
4	Ability to clearly explains concept					✓
5	Flexibility in accommodating individual participants needs				✓	✓
6	Uses effective teaching method to enhance learning					✓
7	Contributes to improve my learning					✓
8	Quality of study material provided				✓	
9	Quality of good reference provided					✓
10	Time management in the class				✓	

S. No.	C.) Delivery	1	2	3	4	5
1	Ability to listen and understand participants					✓
2	Respecting opinion and decision of participants					✓
3	Willingness to learn from the participants				✓	
4	Punctuality in class				✓	

Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.

Signature





# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

Recent advancement in material micro manufacturing and Characterization

07<sup>th</sup> to 11<sup>th</sup> FEB 2023

Organized

By

Department of Mechanical Engineering

## List of Participants

S.No.	Faculty Name	Designation	Signature
1	Dr. Ch Srinivas	Principal	
2	Mr.D.Vijaykumar	Assoc. Prof.	
3	Mr.B.Laxminarayana	Asst. Prof.	
4	Mr.N.Rajkumar	Asst. Prof.	
5	Mr.R.Sainath	Asst. Prof.	
6	Mr.N.Srinivas	Asst. Prof.	
7	Mr.J.Vijay kumar	Asst. Prof.	
8	Mr.K.Sudharshan	Asst. Prof.	
9	Mr.Md. Yaqub Ali	Asst. Prof.	
10	Mr.V.Arunpandu	Asst. Prof.	
11	Mr.N.Sampath	Lecturer	
12	Mr.G.Tirupathi	Asst. Prof.	

Coordinator

HOD

Principal

Vaageswari College of Engineering  
KARIMNAGAR-505 527.

### About Vaageswari College of Engineering

Sree Vaageswari Educational Society was established by eminent and educated personalities in the name of Goddess Saraswathi Devi in the year 2003 under the leadership of Dr. G. Greenivas Reddy Garu, General Secretary & Correspondent who is a Doctor in Ayurveda and a dedicated missionary and crusader in the field of education, he is the spirit and force behind this reputed organization. The society was established with a vision to produce professionals having scientific intellect, innovation and imagination. The Institution provides currently 4 Diploma, 5 UG, 7PG programs. The Best of assistance in academic field and guides the students in a right path to reach the summit of their professional careers.

Vaageswari College of Engineering impart goal oriented, quality based and value added education with state-of-the-art technical resources. Over the years, it has evolved as a symbol of quality education. The determination and dedicated efforts of college in the interest of the students to compete with the best in the outside world have enabled us to shine forth as the torchbearer for quality education today. The Institution keep pace with the world's major strides in technology, development and hence set a benchmark in every pedagogical standard.

The Vaageswari College of Engineering is located in the suburbs of Karimnagar town, on Rajiv Rahadari Highway towards Hyderabad. Situated in eco friendly campus with lush green lawns, lovely landscape, aesthetic architecture and avant-garde infrastructure, The College epitomize an exemplary setting for scientific education and higher learning.

### About the Department

Mechanical department was established in 2012. The Department offers Diploma, Under Graduate and Post Graduate programs. The department has well experienced faculty, good infrastructural facilities and has full-fledged laboratories equipped with adequate hardware and software.

Mechanical engineering is a discipline of engineering that applies the principles of physics and materials science for analysis, design, manufacturing, and maintenance of mechanical systems. It is the branch of engineering that involves the production and usage of heat and mechanical power for the design, production, and operation of machines and tools. It is one of the outstanding broadest engineering disciplines.

### THEME OF THE WORKSHOP

Advances in Materials and Manufacturing aims to bridge developments in academic and industrial research and highlights the latest developments in AM including new methods, materials development, and applications, as well as new ecosystems built on advanced manufacturing.

### Workshop Contents:

- A. Advanced materials (Smart materials, energy materials, etc.)
- B. Advances in Material Processing (additive manufacturing etc.)
- C. Latest progress in material testing and characterization
- D. Modeling and simulation in Material Engineering
- E. Manufacturing in industries

### FACULTY DEVELOPMENT PROGRAM

On

## Recent advancement in material micro manufacturing and Characterization

07 -11 FEB 2023

### Registration Form

Name: \_\_\_\_\_  
B.Tech/M.Tech & year \_\_\_\_\_  
Department: \_\_\_\_\_  
Name of College: \_\_\_\_\_  
Correspondence Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Contact No: \_\_\_\_\_  
Email: \_\_\_\_\_  
Date: \_\_\_\_\_  
DD No: \_\_\_\_\_ Dated: \_\_\_\_\_

Signature

Sponsoring Authority Sign. & Seal

*Last Date for Registration*  
**06 FEB 2023**



### COMMITTEE MEMBERS

#### **Convener**

D. Vijay Kumar

H.O.D

Mechanical Engineering Department

#### **Co-Convener**

N. Srinivas

Asst. Professor

Mechanical Engineering Department

#### **MEMBERS**

B. Laxminarayana, Asst. Professor

D. Vijay Kumar Asst. Professor

J. Vijay Kumar, Asst. Professor

R. Sainath, Asst. Professor

K. Sudarshan, Asst. Professor

N. Rajkumar, Asst. Professor

Md. Yaqub Ali, Asst. Professor

J. Saritha, Asst. Professor

V. Arun pandu Asst. Professor

G. Tirupathi Asst. Professor

N. Sampath Lecturer

Vaageswari College of Engineering  
KARIMNAGAR-505 527

### ORGANISING COMMITTEE

#### **Chief Patron**

Dr. G. Sreenivas Reddy

General Secretary & Correspondent

#### **Patrons**

Sri. D. Srinivas Reddy

Joint Secretary

Sri. V. Vinod

Member

#### **Chairman**

Dr. Ch. Srinivas

Principal

#### **RESOURCE PERSONS:**

1. Dr. CH. Srinivas  
Professor & Principal,  
Dept of MECH,  
Vaageswari college of Engineering

2. D. Vijay Kumar  
Assistant Professor,  
Dept of MECH,  
Vaageswari college of Engineering

1. J. Vijay Kumar  
Assistant Professor,  
Dept of MECH,  
Vaageswari college of Engineering

### **FACULTY DEVELOPMENT PROGRAM**

On

Recent advancement in material micro  
manufacturing and Characterization  
07 -11 FEB 2023

#### **VENUE:**

Seminar Hall,

Vaageswari College of Engineering

#### **ORGANIZED BY**

**MECHANICAL ENGINEERING DEPARTMENT**

**VAAAGESWARI COLLEGE OF ENGINEERING**

Beside LMD Police Station,

Karimnagar-505481.

TELANGANA STATE

Email: vaageswarimechanical@gmail.com



# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Timmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

**2022-2023**

## **Report on “Recent advancement in material micro manufacturing and Characterization”**

5 Day Faculty Development Programme on “Recent advancement in material micro manufacturing and Characterization” was organized by MECH Department, Vaageswari college of Engineering from 07th to 11th FEB 2023 form the faculty of MECH Department. Around 11 faculty members of the Department actively participated and gained useful information from all the sessions.

The programme is by using the advances in materials and manufacturing of the participants, to make them aware about modern mateials tools and methodologies. It provides an opportunity to acquire knowledge about current technological developments in relevant fields. The programme mainly focuses on Advances in materials and manufacturing and the different types of materials approaches with primary concern and motivation for application development

### **TECHNICAL SESSIONS:**

1<sup>st</sup> Day (07-02-2023)

Introduction To

Recent advancement in material micro manufacturing and Characterization

2<sup>nd</sup> Day (08-02-2023)

functional micro-/nanostructured surfaces

3<sup>rd</sup> Day (09-02-2023)

Characterization ,application ,bioinspired surfaces

4<sup>th</sup> Day (10-02-2023)

*Special Feature*

5th Day (11-02-2023) Atomic force microscopy: Harness the power of AFM for materials science

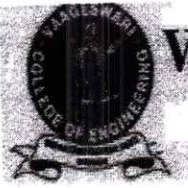
  
Coordinator

  
HOD

  
  
Principal

Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.  
Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.  
Page No:1/3





# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

Department of Mechanical Engineering

Five-Day Faculty Development Program on

**Recent advancement in material micro manufacturing and  
Characterization 07 -11 FEB, 2023**

## SPEAKER PROFILES

**Dr.CH.Srinivas**, completed his M.Tech from Jawaharlal Nehru Technological University. Currently he is working as an Professor&Principal at Vaageswari College of Engineering. His research interests include in materials and manufacturing.

**Mr. D. Vijay Kumar**, completed his M.Tech from Jawaharlal Nehru Technological University. Currently he is working as an Assistant Professor at Vaageswari College of Engineering.

**Mr. J. Vijay Kumar**, completed his M.Tech from Jawaharlal Nehru Technological University. Currently he is working as an Assistant Professor at Vaageswari College of Engineering.

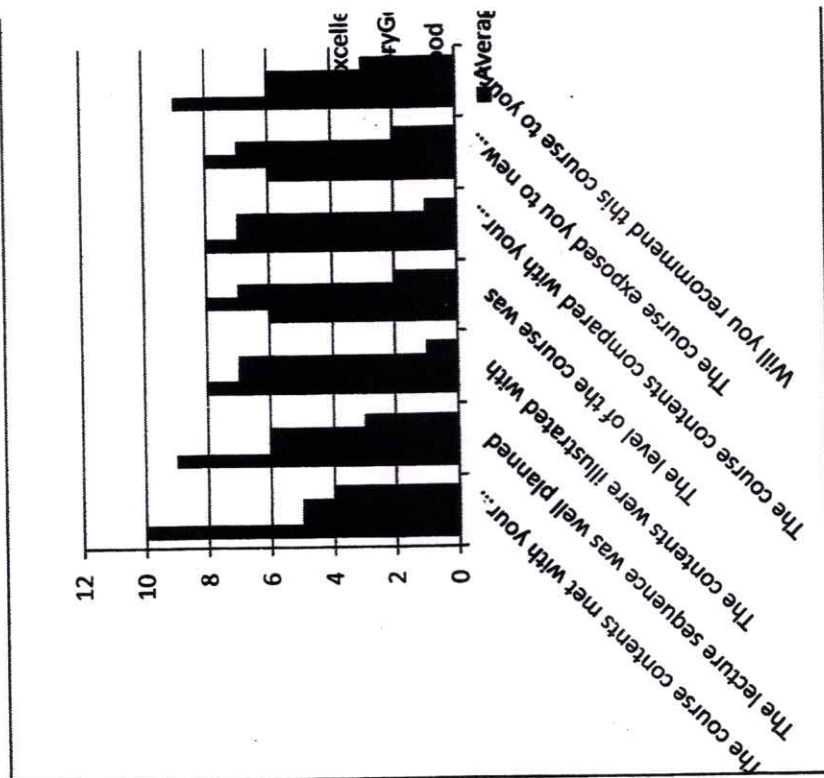
  
Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.

Were objectives of the course clear to you?	The course contents met with your expectations	The lecture sequence was well planned	The contents were illustrated with	The level of the course was	The course contents compared with your expectations	The course exposed you to new knowledge and practices	Will you recommend this course to your colleagues?
yes	4	4	2	1	3	2	yes
yes	2	3	4	4	4	3	yes
yes	3	4	2	2	1	4	yes
yes	1	1	3	3	4	2	yes
yes	3	2	2	4	1	3	yes
yes	4	4	2	3	3	2	yes
yes	2	3	3	2	4	2	yes
yes	3	1	2	4	3	3	yes
yes	2	4	2	3	4	2	yes
yes	3	2	3	4	4	4	yes
yes	3	3	2	3	4	4	yes

  
**Principal**  
 Vaageswari College of Engineering  
 KARIMNAGAR-505 527



Title	Excellent	VeryGood	Good	Average
The course contents met with your expectations	10	5	5	4
The lecture sequence was well planned	9	6	6	3
The contents were illustrated with	8	7	7	1
The level of the course was	6	8	7	2
The course contents compared with your expectations	8	7	7	1
The course exposed you to new knowledge and practices	6	8	7	2
Will you recommend this course to your colleagues?	9	6	6	3



Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527:



SREE VAAGESWARI EDUCATIONAL SOCIETY  
**VAAGESWARI COLLEGE OF ENGINEERING**

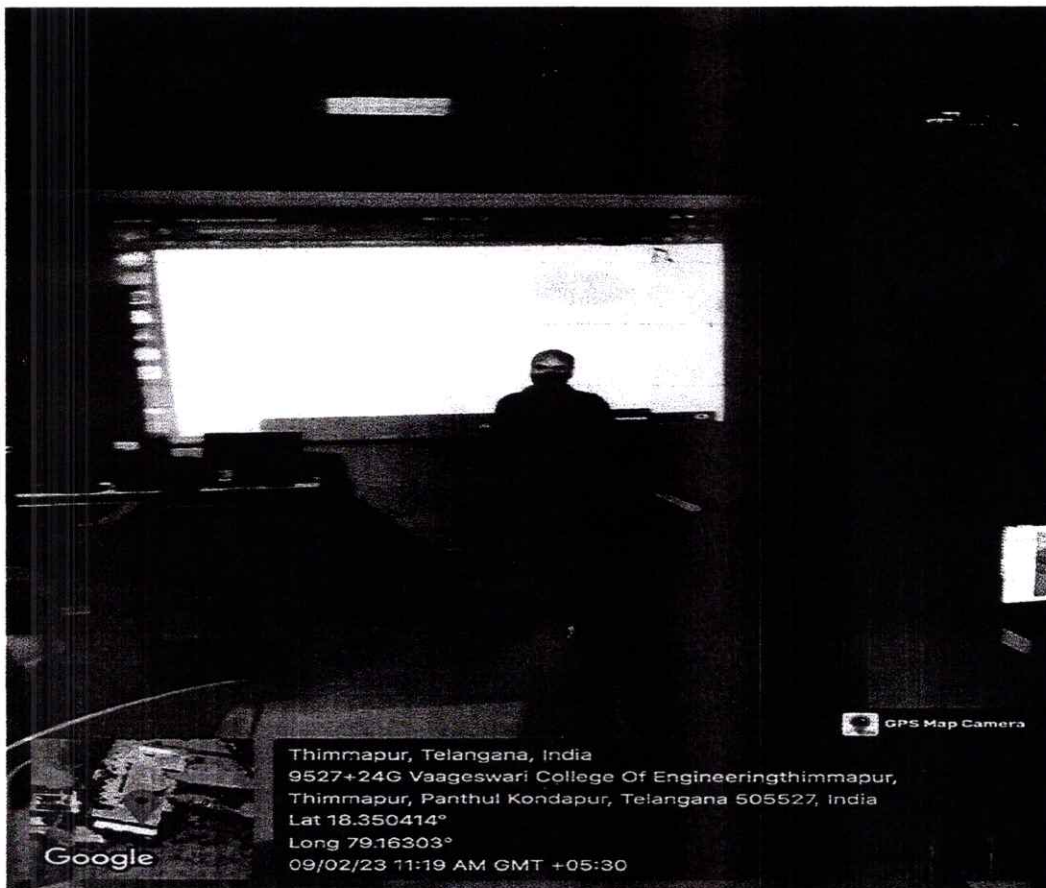
(Affiliated to JNTUH, Hyderabad.)

(Approved by AICTE New Delhi & Recognised by the Govt. of Telangana State)

**DEPARTMENT OF MECHANICAL ENGINEERING**

Five Day faculty development program on Recent advancement in material  
micro manufacturing and characterization

07<sup>th</sup> -11<sup>th</sup> JULY 2023



Mr.J.Vijay kumar Asst.Professor,Department of Mechanical Engineering giving a brief introduction.

*(Handwritten signature in green ink)*

*(Handwritten signature in black ink)*

**Principal**

**Vaageswari College of Engineering  
KARIMNAGAR-505 527.**

Beside L.M.D. Police Station, KARIMNAGAR - 505 527, Telangana State. Ph : 0878-2004242

E-mail: s4.principal@gmail.com Website: www.vgsek.ac.in

**Vaageswari College of Engineering  
KARIMNAGAR-505 527**





# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

Date: 18/07/2023

To  
The Principal,  
Vaageswari College of Engineering,  
Karimnagar.


**Subject:** Request Proposal to Conduct Five day FDP on “ROBOTICS”-Reg.

Respected Sir,

In Accordance to Subject cited above I, Head of the Department of Mechanical Engineering here with request with this letter to permit us to conduct a Five day Faculty Development Program on “ROBOTICS” during 24-07-2023 To 28-07-2023. I also request you to provide all the required facilities.

Thanking You,

Yours Sincerely

  
HOD-Mechanical Engg.

*Received*  
*18/7/23*  
**Principal**  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.



# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

Date: 19-07-2023

## CIRCULAR

It is hereby informed to Mechanical department that a Five-day Faculty Development Program will be held on "ROBOTICS" from 24<sup>th</sup> JULY to 28<sup>th</sup> JULY 2023. All the teaching and non-teaching members should avail this opportunity to upgrade the technical skills.

Hence, all teaching and non-teaching members should attend the above FDP program without fail.

19/7  
PRINCIPAL

Principal

Vaageswari College of Engineering  
KARIMNAGAR-505 527.

### Copies to:

- To circulate among all the staff members
- All the Notice Boards
- To all HODS
- Office file

Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.





# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar  
(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

## Five Day FDP on ROBOTICS

24- 28, JULY 2023

### ATTENDANCE REPORT

S.No	Name	Day 1		Day 2		Day 3		Day 4		Day 5	
		7/24/2023		7/25/2023		7/26/2023		7/27/2023		7/28/2023	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Dr. Ch Srinivas										
2	Mr.D.Vijaykumar										
3	Mr.B.Laxminarayana										
4	Mr.N.Rajkumar										
5	Mr.R.Sainath										
6	Mr.N.Srinivas										
7	Mr.J.Vijay kumar										
8	Mr.K.Sudharshan										
9	Mr.Md.Yaqub Ali										
10	Mr.V.Arunpandu										
11	Mr.G.Tirupathi										
12	Mr.N.Sampath										

Coordinator

HOD

Principal

Principal

Vaageswari College of Engineering,  
KARIMNAGAR-505 527.

Vaageswari College of Engineering,  
KARIMNAGAR-505 527.



# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

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## A FIVE-DAY FACULTY DEVELOPMENT PROGRAM

on

## ROBOTICS

24- 28, JULY 2023

## SCHEDULE

Date	Morning Session (10.00 AM -11.30 A	Morning Session (11.45 AM-1.15 PM	Afternoon Session (2.00PM-3. PM)	Resource Person
<b>Day 1</b> <b>24-07-2023</b> <b>Monday)</b>	<i>Inauguration</i>	<i>Introduction To ROBOTICS</i>	<i>Explanation of Operator interface.</i>	<i>Dr.CH.Srinivas Professor&amp;Princi pal, Dept of MECH,</i>
<b>Day 2</b> <b>25-07-2023</b> <b>(Tuesday )</b>	<i>Explanation of Mobility or locomotion.</i>	<i>Explanation of Manipulators &amp; Effectors.</i>	<i>Manipulators &amp; Effectors.</i>	<i>J. Vijay Kumar Assistant Professor, Dept of MECH,</i>
<b>Day 3</b> <b>26-07-2023</b> <b>(Wednesday)</b>	<i>Programming</i>	<i>Programming</i>	<i>Programming</i>	<i>J. Vijay Kumar Assistant Professor, Dept of MECH,</i>


  
**Principal**  
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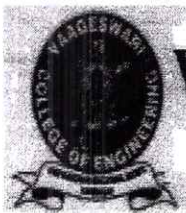
Date	Morning Session (10.00 AM -11.30 AM)	Afternoon Session (2.00PM-3.30 PM)	Afternoon Session (2.00PM-3.30 PM)	Resource Person
<b>Day 4</b> <b>27-07-2023</b> <b>(Thursday)</b>	<i>Sensing &amp; Perception.</i>	<i>Sensing &amp; Perception.</i>	<i>Sensing &amp; Perception.</i>	<b>N.Rajkumar</b> <b>Assistant Professor,</b> <b>Dept of MECH,</b> <b>Vaageswari college of</b> <b>Engineering</b>
<b>Day 5</b> <b>28-07-2023</b> <b>(Friday)</b>	<i>used in robotics</i>	<b>SCARA Robots. ...</b> <b>Delta Robots. ...</b> <b>Cartesian Robots.</b>	<i>Feedback</i>	<b>Dr.CH.Srinivas</b> <b>Professor&amp;Principal,</b> <b>Dept of MECH,</b>

  
**Coordinator**

  
**HOD**

  
**Principal**  
 Vaageswari College of Engineering  
 KARIMNAGAR

  
**Principal**  
 Vaageswari College of Engineering  
 KARIMNAGAR-505 527.



# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

## Feedback Form

Title of the FDP: **ROBOTICS**

Date: 24/07/2023 to 28/07/2023

1. Name of the Participant

: K. Sudharshan

2. Designation & Department

: Asst. prof & Mechanical

- The numbers rating are: 1.VeryBad 2.Bad 3.Good 4.VeryGood 5.Excellent
- Tick (✓) the answer that fits your experience. Your sincere feedback will help the centre to improve servicedelivery.

S. No.	A.) Subject Command	1	2	3	4	5
	How well the Resource Person focus on the topic					
1	Focus on the topic				✓	
2	Communication skills					✓
3	Self Confidence					✓
4	Conducting class room discussions					✓
5	Reference to the latest development					✓
6	Linking subject to the life experience					✓
7	Creating interest in the subject					✓
8	Encouraging high order of critical thinking					✓
9	Encourages me to raise and make comments				✓	
10	Challenges me to think					✓

S. No.	B.) Content	1	2	3	4	5
	Depth of knowledge of the Resource Person					
1	Well organized and prepared for the class					✓
2	Knows his/her subject					✓
3	Ability to clear areas of confusion				✓	
4	Ability to clearly explains concept					✓
5	Flexibility in accommodating individual participants needs					✓
6	Uses effective teaching method to enhance learning					✓
7	Contributes to improve my learning					✓
8	Quality of study material provided					✓
9	Quality of good reference provided					✓
10	Time management in the class				✓	

S. No.	C.) Delivery	1	2	3	4	5
1	Ability to listen and understand participants				✓	
2	Respecting opinion and decision of participants					✓
3	Willingness to learn from the participants					✓
4	Punctuality in class				✓	

Principal  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.

Signature





# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

## ROBOTICS

24<sup>th</sup> to 28<sup>th</sup> JULY 2023

Organized

By

Department of Mechanical Engineering

### List of Participants

S.No.	Faculty Name	Designation	Signature
1	Dr. Ch Srinivas	Principal	
2	Mr.D.Vijaykumar	Assoc. Prof.	
3	Mr.B.Laxminarayana	Asst. Prof.	
4	Mr.N.Rajkumar	Asst. Prof.	
5	Mr.R.Sainath	Asst. Prof.	
6	Mr.N.Srinivas	Asst. Prof.	
7	Mr.J.Vijay kumar	Asst. Prof.	
8	Mr.K.Sudharshan	Asst. Prof.	
9	Mr.Md.Yaqub Ali	Asst. Prof.	
10	Mr.V.Arunpandu	Asst. Prof.	
11	Mr.N.Sampath	Lecturer	
12	Mr.G.Tirupathi Reddy	Asst. Prof.	

Coordinator

HOD

Principal

Vaageswari College of Engineering  
KARIMNAGAR-505 527

## About Vaageswari College of Engineering

Sree Vaageswari Educational Society was established by eminent and educated personalities in the name of Goddess Saraswathi Devi in the year 2003 under the leadership of Dr. G. Sreenivas Reddy Garu, General Secretary & Correspondent who is a Doctor in Ayurveda and a dedicated missionary and crusader in the field of education, he is the spirit and force behind this reputed organization. The society was established with a vision to produce professionals having scientific intellect, innovation and imagination. The Institution provides currently 4 Diploma, 5 UG, 7PG programs. The Best of assistance in academic field and guides the students in a right path to reach the summit of their professional careers.

Vaageswari College of Engineering impart goal oriented, quality based and value added education with state-of-the-art technical resources. Over the years, it has evolved as a symbol of quality education. The determination and dedicated efforts of college in the interest of the students to compete with the best in the outside world have enabled us to shine forth as the torchbearer for quality education today. The Institution keep pace with the world's major strides in technology, development and hence set a benchmark in every pedagogical standard.

The Vaageswari College of Engineering is located in the suburbs of Karimnagar town, on Rajiv Rahadari Highway towards Hyderabad. Situated in eco friendly campus with lush green lawns, lovely landscape, aesthetic architecture and avant-garde infrastructure, The College epitomize an exemplary setting for scientific education and higher learning.

## About the Department

Mechanical department was established in 2012. The Department offers Diploma, Under Graduate and Post Graduate programs. The department has well experienced faculty, good infrastructural facilities and has full-fledged laboratories equipped with adequate hardware and software.

Mechanical engineering is a discipline of engineering that applies the principles of physics and materials science for analysis, design, manufacturing, and maintenance of mechanical systems. It is the branch of engineering that involves the production and usage of heat and mechanical power for the design, production, and operation of machines and tools. It is one of the outstanding broadest engineering disciplines.

## THEME OF THE WORKSHOP

Advances in Materials and Manufacturing aims to bridge developments in academic and industrial research and highlights the latest developments in AM including new methods, materials development, and applications, as well as new ecosystems built on advanced manufacturing.

### Workshop Contents:

- A. Advanced materials (Smart materials, energy materials, etc.)
- B. Advances in Material Processing (additive manufacturing etc.)
- C. Latest progress in material testing and characterization
- D. Modeling and simulation in Material Engineering
- E. Manufacturing in industries

## FACULTY DEVELOPMENT PROGRAM

On

## ROBOTICS

24 -28 July, 2023

### Registration Form

Name: \_\_\_\_\_

B.Tech/M.Tech & year \_\_\_\_\_

Department: \_\_\_\_\_

Name of College: \_\_\_\_\_

Correspondence Address: \_\_\_\_\_

*Principal*  
Vaageswari College of Engineering  
KARIMNAGAR-505 527.

Contact No: \_\_\_\_\_

Email: \_\_\_\_\_

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

DD No: \_\_\_\_\_ Dated: \_\_\_\_\_

Signature \_\_\_\_\_

Sponsoring Authority Sign. & Seal

*Last Date for Registration*  
**20 July, 2016**



### COMMITTEE MEMBERS

#### **Convener**

D. Vijay Kumar  
H.O.D

*Mechanical Engineering Department*

#### **Co-Convener**

R. Sainath  
Asst. Professor

*Mechanical Engineering Department*

#### MEMBERS

D. Devaiah, Assoc. Professor

B. Laxminarayana, Asst. Professor

D. Vijay Kumar Asst. Professor

M. Mahipal, Asst. Professor

K. Sudheer, Asst. Professor

M. Sabitha, Asst. Professor

J. Vijay Kumar, Asst. Professor

B. Nareesh, Asst. Professor

R. Sainath, Asst. Professor

K. Sudarshan, Asst. Professor

N. Rajkumar, Asst. Professor

A. Rajesh, Asst. Professor

Md. Yaqub Ali, Asst. Professor

V. Usha Rani, Asst. Professor

J. Saritha, Asst. Professor

Shaik Shaheen, Asst. Professor

### ORGANISING COMMITTEE

#### **Chief Patron**

Dr. G. Sreenivas Reddy

**General Secretary & Correspondent**

#### **Patrons**

Sri. D. Srinivas Reddy

**Joint Secretary**

Sri. V. Vinod

**Member**

#### **Chairman**

Dr. Ch. Srinivas

**Principal**

#### **RESOURCE PERSONS:**

1. Dr. CH. Srinivas

Professor & Principal,

Dept of MECH,

Vaageswari college of Engineering

2. J. Chandra Shekar

Associate Professor,

Dept of MECH,

Vaageswari college of Engineering

1. N. Srinivas

Assistant Professor,

Dept of MECH,

Vaageswari college of Engineering

### **FACULTY DEVELOPMENT PROGRAM**

**On**

**ROBOTICS**

**24 -28 July, 2023**

#### **VENUE:**

Seminar Hall,

Vaageswari College of Engineering

#### ORGANIZED BY

**MECHANICAL ENGINEERING DEPARTMENT**

**VAAGESWARI COLLEGE OF ENGINEERING**

Beside LMD Police Station,

Karimnagar-505481.

TELANGANA STATE

Email: vaageswarimechanical@gmail.com

Principal

Vaageswari College of Engineering,  
KARTIMNAGAR-505 481.



# VAAGESWARI COLLEGE OF ENGINEERING

Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

**2023-2024**

## Report on “ROBOTICS”

5 Day Faculty Development Programme on “Advances in materials and manufacturing” was organized by MECH Department, Vaageswari college of Engineering from 24th to 28th JULY 2023 form the faculty of MECH Department. Around 11 faculty members of the Department actively participated and gained useful information from all the sessions.

The programme is by using the advances in materials and manufacturing of the participants, to make them aware about modern mateials tools and methodologies. It provides an opportunity to acquire knowledge about current technological developments in relevant fields. The programme mainly focuses on Advances in materials and manufacturing and the different types of materials approaches with primary concern and motivation for application development

### TECHNICAL SESSIONS:

1<sup>st</sup> Day (24-07-2023)

Explanation of Operator interface.

2<sup>nd</sup> Day (25-07-2023)

Explanation of Mobility or locomotion.

3<sup>rd</sup> Day (26-07-2023)

Programming

4<sup>th</sup> Day (27-07-2023)

Sensing & Perception.

5<sup>th</sup> Day (28-07-2023)

SCARA Robots. ...

Delta Robots. ...

Cartesian Robots.

  
Coordinator

  
HOD

  
Principal

Vaageswari College of Engineering  
KARIMNAGAR-505 527.

  
Principal

Vaageswari College of Engineering  
KARIMNAGAR-505 527.





# **VAAGESWARI COLLEGE OF ENGINEERING**

**Beside L.M.D Police Station, Ramakrishna Colony, Thimmapur, Karimnagar**

**(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)**

**Department of Mechanical Engineering**

**Five-Day Faculty Development Program on**

## **ROBOTICS**

**24 -28 July, 2023**

### **SPEAKER PROFILES**

**Dr.CH.Srinivas**, completed his M.Tech from Jawaharlal Nehru Technological University. Currently he is working as an Professor&Principal at Vaageswari College of Engineering. His research interests include in materials and manufacturing.

**Mr. J. Vijay Kumar**, completed his M.Tech from Jawaharlal Nehru Technological University. Currently he is working as an Assistant Professor at Vaageswari College of Engineering.

**Mr. N.Rajkumar**, completed his M.Tech from Jawaharlal Nehru Technological University. Currently he is working as an Assistant Professor at Vaageswari College of Engineering.

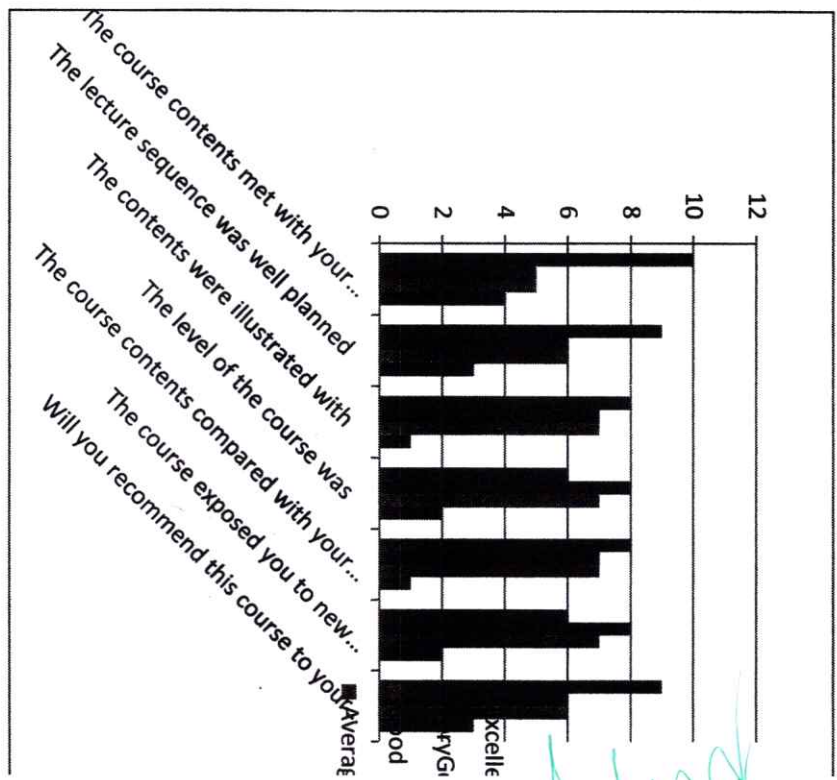
  
**Principal**  
Vaageswari College of Engineering  
KARIMNAGAR 505 002

Were objectives of the course clear to you?	The course contents met with your expectations	The lecture sequence was well planned	The contents were illustrated with	The level of the course was	The course contents compared with your expectations	The course exposed you to new knowledge and practices	Will you recommend this course to your colleagues?
yes	4	4	2	1	3	2	yes
yes	2	3	4	4	4	3	yes
yes	3	4	2	2	1	4	yes
yes	1	1	3	3	4	2	yes
yes	3	2	2	4	1	3	yes
yes	4	4	2	3	3	2	yes
yes	2	3	3	2	4	2	yes
yes	3	1	2	4	3	3	yes
yes	2	4	2	3	4	2	yes
yes	3	2	3	4	4	4	yes
yes	3	2	3	4	4	4	yes
yes	3	3	2	3	4	4	yes

Principal  
 Jagadwari College of Engineering  
 KARIMNAGAR-505 527.



Title	Excellent	VeryGood	Good	Average
The course contents met with your expectations	10	5	5	4
The lecture sequence was well planned	9	6	6	3
The contents were illustrated with	8	7	7	1
The level of the course was	6	8	7	2
The course contents compared with your expectations	8	7	7	1
The course exposed you to new knowledge and practices	6	8	7	2
Will you recommend this course to your colleagues?	9	6	6	3



Principal  
Jageswari College of Engineering  
KARIMNAGAR 415 122



SREE VAAGESWARI EDUCATIONAL SOCIETY  
**VAAGESWARI COLLEGE OF ENGINEERING**

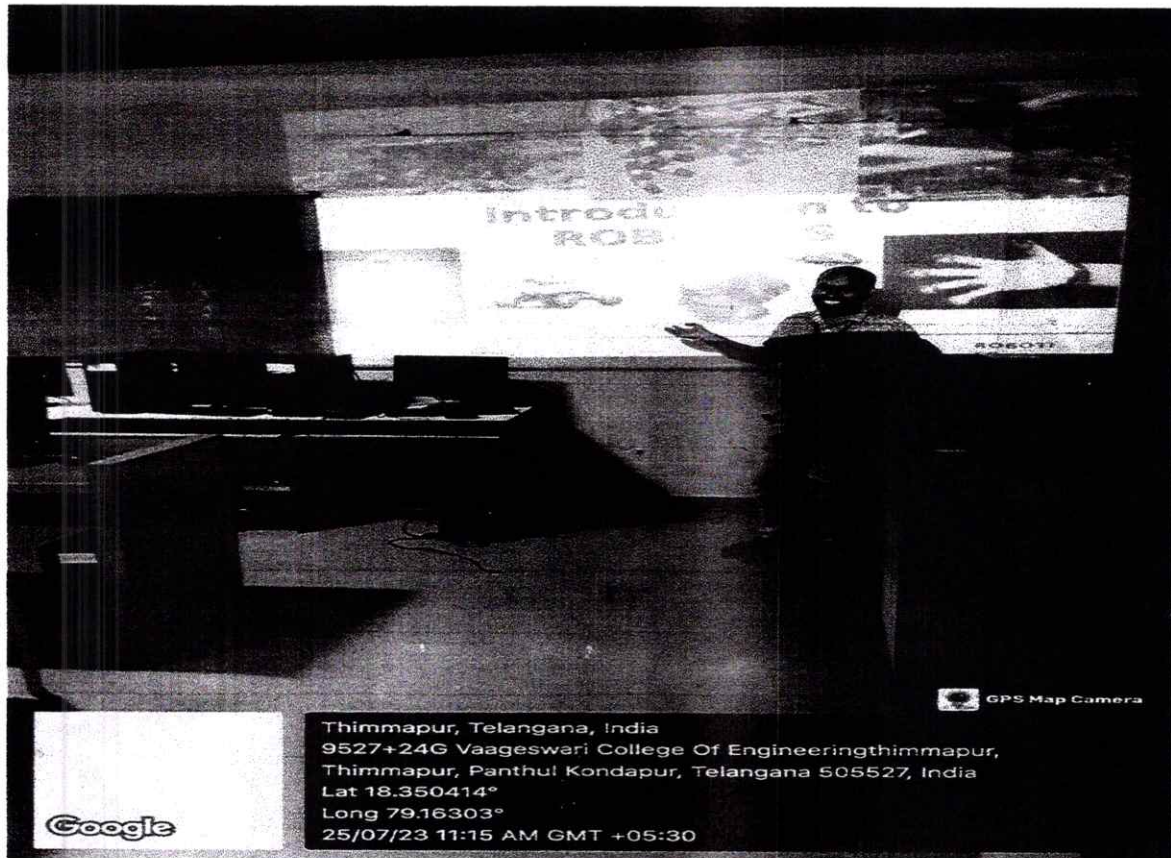
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**DEPARTMENT OF MECHANICAL ENGINEERING**

Five Day faculty development program on ROBOTICS

24<sup>th</sup> -28<sup>th</sup> JULY 2023



Mr.J.Vijay Kumar Asst.Professor,Department of Mechanical Engineering giving a brief introduction.

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*[Handwritten signature]*

**Principal**

Vaageswari College of Engineering  
KARIMNAGAR-505 527.

Beside L.M.D. Police Station, KARIMNAGAR - 505 527, Telangana State. Ph : 0878-2004242

E-mail: s4.principal@gmail.com Website: www.vgsek.ac.in

KARIMNAGAR-505 527.





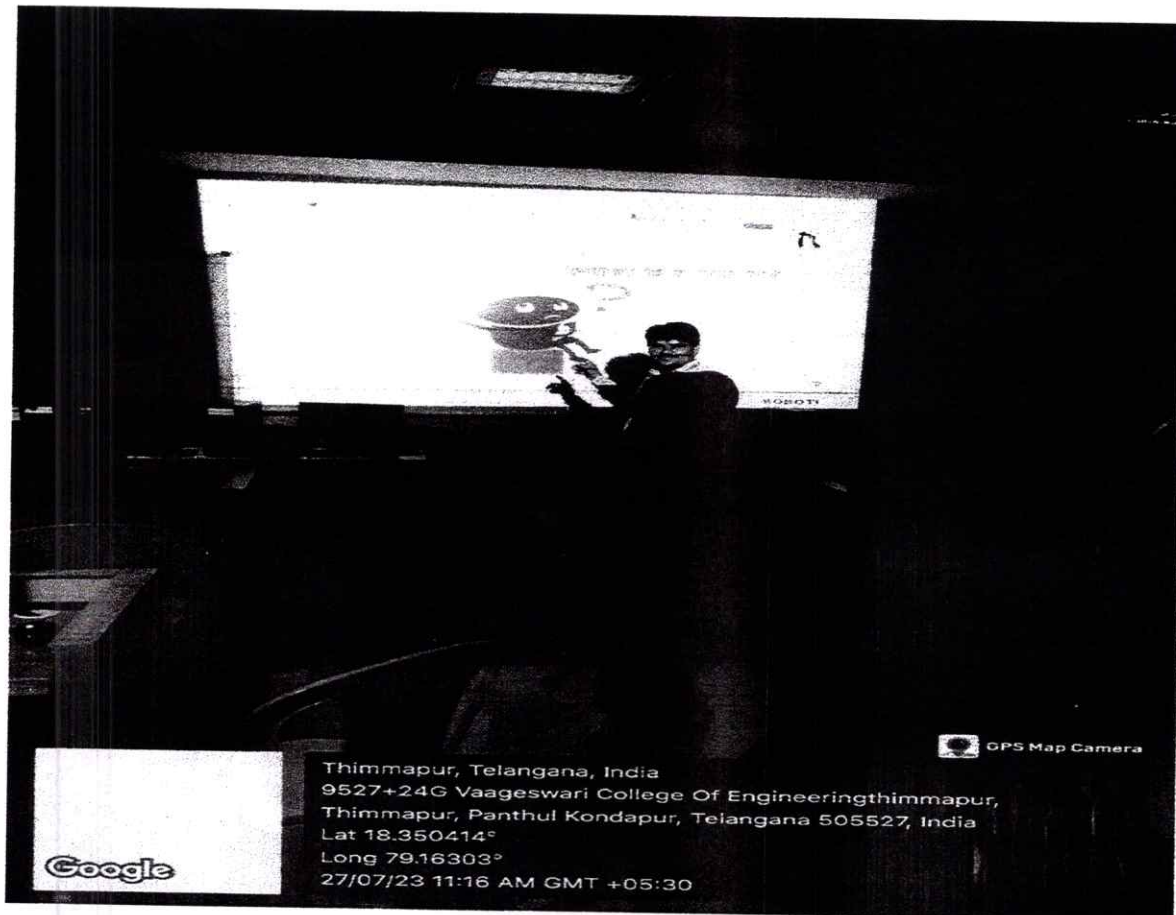
SREE VAAGESWARI EDUCATIONAL SOCIETY  
**VAAGESWARI COLLEGE OF ENGINEERING**

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**DEPARTMENT OF MECHANICAL ENGINEERING**

Five Day faculty development program on ROBOTICS

24<sup>th</sup> -28<sup>th</sup> JULY 2023



Mr.N.Rajkumar Asst.Professor,Department of Mechanical Engineering giving a brief introduction.

*[Handwritten signature]*  
Principal

*[Handwritten signature]*  
Principal  
vaageswari College of Engineering  
KARIMNAGAR-505 527.

Beside L.M.D. Police Station, KARIMNAGAR- 505 527, Telangana State. Ph : 0878-2004242

E-mail: s4.principal@gmail.com, Website: www.vgsek.ac.in