



# EXCEL ENGINEERING COLLEGE (Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
Accredited by NBA (AERO,CSE, MECH,ECE), NAAC with "A+" and Recognised by UGC (2f &12B)  
KOMARAPALAYAM - 637303

ACADEMIC YEAR 2022-23

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 28/01/23

## Circular

It is informed that the SAEINDIA COLLEGIATE CLUB organize on Industry Guest Lecture on "Electrical Vehicle Technology" will be held on 04.02.2023 (Saturday) at 10:30 A.M in **APJ Hall**. All are invited to attend the function.

**Activity Coordinator**

**HOD/Mech**

Copy to:

1. Principal
2. All classrooms



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**KOMARAPALAYAM - 637303**

**Department of Mechanical Engineering**

**Submitted to the Principal**

**Date: 28.01.2023**

**Sub:** Sub: SAE Collegiate Club conduct a Industry Guest lecture on Electrical Vehicle Technology requested- Reg.

It is planned to conduct a One day "Industry Guest lecture on Electrical Vehicle Technology" during 04.02.23. It is requested that the necessary approval may be granted to conduct the event

**Programmed Coordinator**

**HoD/Mech**

**Dir(Academic)**



# Excel

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Recognized by UGC (2f&12B)



**SAEINDIA**  
Society of Automotive Engineers INDIA



### Date

04.02.2023

(Saturday)

### Time

10.30 a.m.

DEPARTMENT OF  
MECHANICAL ENGINEERING

SAEINDIA COLLEGIATE CLUB

Guest Lecture on

**"Electrical Vehicle Technology"**

### RESOURCE PERSON



**Mr.S.Sanmugam**

Former Chairman SAEISS

Director

Design Desk India Pvt Ltd

Chennai

**Mr.R.PREMRAJ**

**Mr.T.KARTHIKEYAN**

**Program Co-ordinators**

**Dr.N.Venkatachalam**  
Activity Coordinator

**Dr.N.Natarajan**  
Head of the Department  
Mechanical Engineering





**Excel Engineering College**  
(AUTONOMOUS)



Komarapalyam - 637 303.

**DEPARTMENT OF MECHANICAL ENGINEERING**

We cordially Invite you for the  
*Inaugural Function of SAEINDIA Collegiate Club*

On 27<sup>th</sup> JAN 2023 at 10:30A.M in APJ HALL

**Prof.Dr.A.K.NATESAN**

Chairman, Excel Group Institutions  
Will preside over the function

In the presence of

**Dr. N.MATHAN KARTHIK**

Vice-Chairman, Excel Group Institutions

**Dr.K.BOMMANNA RAJA**

Principal, Excel Engineering College  
Will felicitate the gathering

**Mr.S.SANMUGAM**

Director

Design Desk India Pvt Ltd, Chennai

Has kindly consented to inaugurate and deliver the key note address

**Dr.S.ANBUKARUPPUSAMY**

Director Administration, Excel Engineering College  
Has kindly consented to offer felicitation

**Dr.C.KARTHIKEYANI**

Director Academics, Excel Engineering College  
*Has kindly consented to offer keynote the function*

**Dr.N.NATARAJAN**

Head of the Department of Mechanical Engineering  
Will welcome the gathering

.....Invites you all.....





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KOMARAPALAYAM - 637303

ACADEMIC YEAR 2022-23

DEPARTMENT OF MECHANICAL ENGINEERING

## "Guest Lecture on Electrical Vehicle Technology"

Date: 06.02.2023

- Date of the Event** : 04.02.2023 (Saturday)  
**Time of the Event** : 10.00 am to 1.00 pm  
**Venue** : APJ Hall  
**List of Events** :  
1. Electrical Vehicle Technology

### Event Organizers

1. Mr.R.Premraj AP /MECH /EEC
2. Mr.P.Nithiyanand AP / MECH /EEC

### Summary of the event:

The Industry Guest Lecture on "Electrical Vehicle Technology" on 04th February 2023 starts at 10.00 am with welcome address by Dr.N.Natrajan of Mechanical Engineering. In this, the event kick started by Resource Person Mr.S.Sanmugam Former Chairman SAEINDIAISS Design Desk India Pvt Ltd Chennai they talk about "Electrical Vehicle Technology" in automotive applications" and event coordinator of Mr.R.Premraj AP/Mech and Mr.P.Nithiyanand AP/Mech. and also discussed with Electric vehicles can be classified into three types as hybrid electric vehicles (HEVs), plug-in electric vehicles (PHEVs) and full electric vehicles (FEVs). HEVs are equipped with an internal combustion engine (ICE) and an electric motor. In these vehicles, the primary source of energy is an ICE that runs on fossil or alternative fuels

A wide range of subjects are taught in Automobile engineering which include mobility design and aesthetics, Automotive materials, Automotive electrical and electronics, computer-aided vehicle design, vehicle maintenance, electric mobility, Fuels etc. Also talks about development of passenger cars, trucks, buses, motorcycles, or off-road vehicles.

### Number of Participants:

Staffs: 2, Students: 200

0





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KOMARAPALAYAM - 637303

## Event Photos





Venue : Excel Engineering College  
Komarapalayam, Namakkal (Dt.)

Date: 04.02.2023

Time: 10.00 am

S.No.	Name of the student	College name	SAE membership	Signature
1	R. Rubendra	EEC	7220427640	Rubendra.
2	G. Muthuvel	EEC	7220427624	G. Muthuvel
3	C. Meiprakash	EEC		
4	A. Sree Gokula Krishna	EEC	7220427633	A. Sree
5	Vinay kumar.	EEC		
6	Arudhar. S	Mech (EEC)	7220427634	Arudhar
7	Tomraj Thoudam	Mech (EEC)	7220427621	Tomraj Thoudam
8	Ch. Ricky Singh	Mech (EEC)		Ricky Singh
9	L. Subashchandra Singh	Mech	7220427645	L. Subash
8	Pranith	Mech	7220427623	Pranith
9	Anket sing	EEC	7220427672	Anket
10	Babul kumar	EEC		
11	Dhanush . P	MEEC	7220427636	Dhanush
12	Kamalesh	EEC		
13	Sathyam Kumar	EEC	7220427625	Sathyam
14	Shubhram Hakato	EEC	7220427620	Shubhram
15	S. Thirisha	EEC (Mech)	7220427616	S. Thirisha
16	M. Manoj kumar	EEC (MECH)	7220427615	M. Manoj
17	L Jehan	EEC (MECH)	7220427611	L. Jehan
18	M. Karthi	EEC [Mech]	7220427607	M. Karthi
19	S. Sanjay	EEC (Mech)	7220427631	S. Sanjay
20	K.S. NIVAS	EEC	7220427614	K.S. NIVAS
21	JOTIN SHAM	EEC	7220427641	JOTIN SHAM
22	ANIL LAMSAL	EEC (Mech)	7220427619	ANIL LAMSAL



23	Aakash Deep Shah	EEC	9220427620	<i>[Signature]</i>
24	Dinesh. m	EEC	9220427637	<i>[Signature]</i>
25	Maresh	EEC	9220427627	<i>[Signature]</i>
26	J. balraj Krishna	EEC	9220427603	<i>[Signature]</i>

*[Signature]*  
Faculty Advisor  
(SAEINDIA)

*[Signature]*  
HOD- Mech.  
(Excel Engg. College)

Chairman  
(SAEISS-ED)





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KOMARAPALAYAM – 637303  
Department of Mechanical Engineering

## SAEINDIACOLLEGIATE - FEEDBACK FORM

<i>Dated: 04.02.2023</i>	<i>Delivered by : Mr.S.Sanmugam</i>
<i>Name of the student</i>	<i>Mr.M.Dinesh</i>
<i>Topic : "Electrical Vehicle Technology"</i>	

**E**- Excellent; **VG**- Very Good; **G** - Good; **S** - Satisfactory

Questions	E	VG	G	S
Topic of the Speaker was relevant to my area of interest/job	1			
Speaker was able to explain the topic clearly & used relevant examples		1		
Speaker was able to make the lecture interactive & made me feel engaged.		1		
Speaker was able to positively influence my views towards (mention topic over here		1		
In near future, I would like to attend more lectures from the same Speaker.	Yes/No			
Kindly put forward suggestions/comments(if any):				
<i>It is Very Useful for Academic</i>				



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(AUTONOMOUS)

KOMARAPALAYAM- 637303



**SAEINDIA COLLEGIATE CLUB**



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**KOMARAPALAYAM – 637303**  
**Department of Mechanical Engineering**

Date: 25/01/2023

## Circular

It is informed that the "SAEINDIA Collegiate Club" Association Inauguration function will be held on **27.01.2023(Friday)** at **10:30 A.M** in **APJ Hall**. The chief guest of the function will be **Dr.V.S.Saravanan** Assistant Professor, Department of Metallurgical and Materials Engineering, National Institute of Technology, Tiruchirapalli.

All are invited you attend the function and get benefitted from the chief guest address.

Activity Coordinator

HOD/Mech

Copy to:

1. Principal
2. All classrooms





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KOMARAPALAYAM - 637303

DEPARTMENT OF MECHANICAL ENGINEERING

VC

May be approved for Rs. 2,400/-

Food Guest Arranged  
24/01/23

Date: 24.01.2023

Submitted to principal

Sub: Mech Dept- Inauguration of SAE Club - Reg

SAEINDIA Club has been formed with 50 student members and 2 faculty Professional members. As per the procedure the SAEINDIA of Erode division along with our SAE club have jointly planned to have the Inaugural function for the SAEINDIA COLLEGIATE CLUB on 27.01.2023. Dr.V.S.Saravanan Jr.Vice President, Indo Shell Cast Private Limited, Coimbatore and also SAEINDIA Advisory member has agreed to inaugurate the club. Dr.M.Eswaramoorthi, Chairman SAEISS Erode division has accepted to offer felicitations.

The following are the expected expenses for the inauguration

Venue: APJ Hall

- 1. Banner 900 ✓
- 2. Hospitality 1000 ✓
- 3. Shield 500 ✓

2,400/-

It is requested that the above amount may be granted for the inauguration.

- 1. R. Jeyam
  - 2. [Signature] 24/1/23 (P. Arithyanand)
- Professional Members

Shawl - 2 Nos ✓  
Memento - 2 Nos ✓

[Signature]  
HOD 24/1/23

Min 24/1/23

May be considered & find to ED [Signature] 24/1/23



**Excel Engineering College**  
(AUTONOMOUS)



Komarapalyam - 637 303.

**DEPARTMENT OF MECHANICAL ENGINEERING**

We cordially Invite you for the  
*Inaugural Function of SAEINDIA Collegiate Club*

On **27<sup>th</sup> JAN 2023** at **10:30A.M** in **APJ HALL**

**Prof.Dr.A.K.NATESAN**

Chairman, Excel Group Institutions  
Will preside over the function

In the presence of

**Dr. N.MATHAN KARTHIK**

Vice-Chairman, Excel Group Institutions

**Dr.K.BOMMANNA RAJA**

Principal, Excel Engineering College  
Will felicitate the gathering

**Dr.V.S.SARAVANAN**

Junior Vice President  
Indoshell Casting Pvt Ltd; Coimbatore  
Has kindly consented to inaugurate and deliver the key note address

**Dr.S.ANBUKARUPPUSAMY**

Director Administration, Excel Engineering College  
Has kindly consented to offer felicitation

**Dr.C.KARTHIKEYANI**

Director Academics, Excel Engineering College  
*Has kindly consented to offer keynote the function*

**Dr.M.EASWARMOORTHY**

Chairman SAEISS Erode Division,  
Has Kindly consented to offer remarks on SAE

**Dr.S.JEGADHEESWARAN**

Secretary SAEISS Erode Division  
Has Kindly consented to offer the function felicitations

**Dr.N.NATARAJAN**

Head of the Department of Mechanical Engineering  
Will welcome the gathering



.....Invites you all.....





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KOMARAPALAYAM - 637303

## DEPARTMENT OF MECHANICAL ENGINEERING

### AGENDA

- Prayer** : **BY EXCELLIANS**
- Welcome Address** : **Dr.N.NATARAJAN**  
HoD/Mechanical,Excel Engineering College
- Presidential Address** : **Dr.K.BOMMANNA RAJA**  
Principal, Excel Engineering College
- Opening remarks on SAE** : **Dr.M.EASWARAMOORTHY**  
Chairman SAEISS Erode Division
- Felicitation Address** : **Dr.S.ANBUKARUPPUSAMY**  
**Dr.C.KARTHIKEYANI**  
**Dr.S.JEGADHEESWARAN**
- Inaugural Address** : **Dr.V.S.SARAVANAN**  
Junior Vice President  
Indoshell Casting Pvt Ltd; Coimbatore
- Vote of Thanks** : **Mr.R.PREMRAJ**  
SAE Coordinator Excel College of Engineering

**NATIONAL ANTHEM**





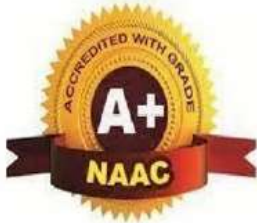
**Excël** Engineering college

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**SAEINDIA COLLEGIATE CLUB**



# Excël

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**SAEINDIA**  
Society of Automotive Engineers INDIA



Date

27.01.2023

( Friday )

Time

10.30 a.m.

### DEPARTMENT OF MECHANICAL ENGINEERING

SAEINDIA COLLEGIATE CLUB

Guest Lecture on "Recent Advances in  
Automotive Engineering"



Dr.V.S.Saravanan  
Jr.Vice President at  
Indoshell Cast Pvt Ltd  
Coimbatore

Mr.R.PREMRAJ  
Mr.P.NITHIYANAND  
Program Co-ordinators

Dr.N.Venkatachalam  
Activity Coordinator

Dr.N.Natarajan  
Head of the Department  
Mechanical Engineering





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KOMARAPALAYAM - 637303

ACADEMIC YEAR 2022-23

DEPARTMENT OF MECHANICAL ENGINEERING

## "Guest Lecture on Recent Advances in Automotive Engineering"

Date: 30.01.2023

- Date of the Event** : 27.01.2023 (Saturday)
- Time of the Event** : 10.00 am to 1.00 pm
- Venue** : APJ Hall
- List of Events** :
1. Inaugural on SAEINDIA Collegiate Club.
  2. Recent Advances in Automotive Engineering

### Event Organizers

1. Mr.R.Premraj AP /MECH /EEC
2. Mr.M.Sambathkumar AP / MECH /EEC

### Summary of the event:

The Guest Lecture on "**Recent Advances in Automotive Engineering**" is a branch of applied science, which deals with designing, developing, and manufacturing ground vehicles. Vehicle development is an interdisciplinary optimization problem subject to many design criteria, which are often conflict with each other. In the development of a new vehicle, major design criteria are defined due to fuel consumption, vehicle safety, crashworthiness, durability, ride comfort, handling behaviors, ergonomics, aerodynamics and NVH concepts. The competitive nature of automotive industry forces original equipment manufacturers (OEMs) to make critical decisions among these design parameters and also discussed with Electric vehicles can be classified into three types as tabulated in Table 1: hybrid electric vehicles (HEVs), plug-in electric vehicles (PHEVs) and full electric vehicles (FEVs). HEVs are equipped with an internal combustion engine (ICE) and an electric motor. In these vehicles, the primary source of energy is an ICE that runs on fossil or alternative fuels

A wide range of subjects are taught in Automobile engineering which include mobility design and aesthetics, Automotive materials, Automotive electrical and electronics, computer-aided vehicle design, vehicle maintenance, electric mobility, Fuels etc. Also talks about development of passenger cars, trucks, buses, motorcycles, or off-road vehicles.

### Number of Participants:

Staffs: 2, Students: 200

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KOMARAPALAYAM - 637303

## Event Photos





**SAEISS ERODE DIVISION  
LECTURE MEETING**

Venue : Excel Engineering College  
Komarapalayam, Namakkal (Dt.)

Date: 27.01.2023

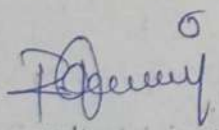
Time: 10.00 am

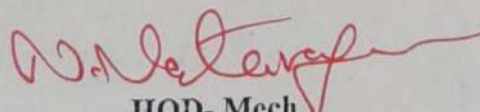
S.No.	Name of the student	College name	SAE membership	Signature
1	M.S.VASANTHA	EXCEL ENGINEERING COLLEGE	7220427604	V.S.V
2	M.VELMURUGAN	EXCEL ENGINEERING	7220427609	M.V
3	S.THRISHA	EXCEL ENGINEERING	7220427616	S.T
4	L.JEHAN	EXCEL ENGINEERING	7220427611	L.S
5	M.KARTHI	EXCEL ENGINEERING	7220427607	M.K
6	M.T.MANOJKUMAR	EXCEL ENGINEERING	7220427608	T.M
7	M.NANDHAKUMAR	EXCEL ENGINEERING	7220427610	N.N
8	S.GOWTHAMSREE	EXCEL ENGINEERING	7220427612	S.G
9	K.S.NIVAS	EXCEL ENGINEERING	7220427614	K.S
10	S.SANJAY	EXCEL ENGINEERING	7220427631	S.S
11	M.MANOJKUMAR	EXCEL ENGINEERING	7220427615	M.M
12	U.SHALMAN	EXCEL ENGINEERING	7220427623	U.S
13	M.KANNAN	EXCEL ENGINEERING	7220427613	M.K
14	A.MYTHREYAN	EXCEL ENGINEERING	7220427652	A.M
15	A.JENISH	EXCEL ENGINEERING	7220427605	A.J
16	SANATH SRIVIVAS	EXCEL ENGINEERING	72204276	S.S
17	S.RUBAK	EXCEL ENGINEERING	7220427618	S.R
18	V.SUBASH	EXCEL ENGINEERING	72204276	V.S
19	Aakash Deep Shah	Excel Engg. College	7220427620	A.D.S
20	John Shah	Excel Engg. College	7220427641	J.S
21	Anil Lamsal	Excel Engg. College	7220427619	A.L
22	R. Rubendra	Excel Engg. College	7220427640	R.R
23	G. Muthuvel	Excel Engg. College	7220427624	G.M
24	C. Meiprakash	Excel Engg. College	7220427625	C.M



[7220427633]

25	A. Sree Anokula Krishna	Excel Engg college	8800780332	A. Sree
26	Dinesh. m	Excel Eng college	7220427631	Dinesh
27	MAHESH KUMAR. S	Excel engineering college	7220427603	MAHESH
28	J. Uday Krishna	" "	722042762	J. Uday Krishna
29	Rupesh kumar	Excel engineering college	7220427639	Rupesh kumar
30	Babul kumar	Excel Engineering college	7220427628	Babul
31	Ching Shubam Ricky Singh	Excel Engineering college	7220467622	Ch Ricky
32	LAITON JAM SUBASHCHANDRA SINGH	E.E.C.	7220427645	Subash
33	deedhar. S	E.E.C	7220427634	deedhar
34	Dhanush .P	E.E.C	7220427636	Dhanush
35	Prasanth .AS	E.E.C	7220427626	Prasanth
36	Sathayam kumar	EEC	7220427629	Sathayam
37	shubham raha te	EEC	722047627	shubham
38	Pranith	EEC	722047623	Pranith
39	Anknit Sing	EXCEL Engg college	72204772	Anknit
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 Faculty Adviser  
 (SAEISS-ED)

  
 HOD- Mech.  
 (Excel Engg. College)

Chairman  
 (SAEISS-ED)



**EXCEL ENGINEERING COLLEGE**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Machine Warrior'z Association**

**WORKSHOP - FEEDBACK FORM**

<i>Dated: 27.01.2023</i> <i>Name of the Student: Akash Deep Shah</i>	<i>Delivered by : Dr V.S.Saravanan</i> <i>Indoshell Cast Pvt Ltd</i>
<b>Topic : "Recent Advances in Automotive Engineering"</b>	

E- Excellent; **VG**- Very Good; **G** - Good; **S** - Satisfactory

Questions	E	VG	G	S
Topic of the Speaker was relevant to my area of interest/job				
Speaker was able to explain the topic clearly & used relevant examples				
Speaker was able to make the lecture interactive & made me feel engaged.				
Speaker was able to positively influence my views towards (mention topic over here)				
In near future, I would like to attend more lectures from the same Speaker.	Yes/No			
Kindly put forward suggestions/comments(if any):				