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#### KOMARAPALAYAM - 637303

DEPARTMENT OF MECHANICAL ENGINEERING

#### ACADEMIC YEAR (2022-2023)

S.No.	Name of the Capacity Development and Skill Enhancement programme	Year of implementation	Number of students enrolled	Name of the agencies/consultants involved with contact details, if any
1	Design Contest on Bi-cycles	07.01.2023	39	Department of Mechanical Engineering
2	Pongal Celebration -	13.01.2023	208	Department of Mechanical Engineering
3	Opportunities for Quality Control Engineers for Industries	21.01.2023	174	Mr.K.Jayaseelan, Quality Lead Processware, Bagalore
4	Product Presentation on Two Wheeler Vehicle	21.01.2023	68	Department of Mechanical Engineering
5	Vehicle Health Monitoring and Maintenance	21.01.2023	54	Department of Mechanical Engineering
6	SAE Inauguration & Recent Advances in Automotive Engineering	27.01.2023		Dr.V.S.Saravanan, Jr. Vice President at Indoshell Cast Pvt. Ltd, Coimbatore
7 1	Electric Vehicles Technology	04.02.2023		Mr. S.Sanmugam, Director, Design Deck India, PVt.Ltd, Chennai

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8	Vehicle Aerodynamics	04.02.2023	55	Department of Mechanical Engineering
9	Alumni Interaction-Career Prospects for Mechanical Engineers	04.02.2023	89	Mr. Karthikeyan Chandrasekar, Customer Support Analyst, Ultrmain Software India PVt. Ltd
10	Latest Software Awareness Program	07.02.2023	76	C-Cube Technologist, Erode
11	Conduct a FDP on " Stress Management"	04.03.2023	85	Department of Mechanical Engineering
12	Conduct a seminar on " How to prepare for Competitive /Higher Study Examinations"	04.03.2023	24	Department of Mechanical Engineering
13	Conduct a contest on " Mr. Machinist" (Machining of component using Lathe)	04.03.2023	35	Department of Mechanical Engineering
14	Conduct a contest on " Mr. Mechanic"(Dismantling and Assembly of Engine)	04.03.2023	67	Department of Mechanical Engineering
15	On Board Diagnostics of Vehicles	04.03.2023	54	Department of Mechanical Engineering
16	Robotics simulation for Manufacturing	11.03.2023	62	Department of Mechanical Engineering
17	National Conference on " Innovative Smart Technologies in Engineering and Management Sciences"	06.03.2023	219	Department of Mechanical Engineering



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STAFF INCHARGE

CELENGINEERING COL DEPT. OF EGE à MECHANICAL ENGG. Komarapalayam

N. Natara

HOD/MECH HEAD OF THE DEPARTMENT MECHANICAL ENGINEERING, EXCELENGINEERING COLLEGE ROMARAPALAYAM - 637 303.

71





## ENGINEERING COLLEGE (AUTONOMOUS)

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Prof.Dr.N.Tamilselvan Activity Coordinator Prof.Dr.N.Natarajan Head of the Department











### **Permission Letter**

Date: 05 / 01 /2023 Place: Komarapalayam

From

V.Karthikeyan

K.Arulkumar

Assistant Professor

Department of Mechanical Engineering

Excel Engineering College (Autonomous)

Komarapalayam.

To

The Principal Excel Engineering College (Autonomous) Komarapalayam.

Sir

#### Subject: Seeking permission to organize events on "Design Contest on Bi-Cycle"- reg

Sir, I would like to organize "Design Contest on Bi-Cycle" in Mechanical Engineering students on Saturday (07<sup>a</sup> January 2023), so that I kindly request you to do the needful for flawless conduction of the events.

Thank you

Yours truly

V. RavAlisia

echanical

Activity Coordinator



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NBA



NAAC (A+ Grade) and Recognized by UGC (2f &12B) KOMARAPALAYAM - 637303 Department of Mechanical Engineering KITUTON'S MOLUTON



"Design Contest on Bi-Cycle"

07th January 2023

Dr.N.MATHAN KARTHICK

Vice-Chairman, Excel Group Institutions Will preside over the function

### Dr.K.BOMMANNA RAJA

Principal, Excel Engineering College, Executive Director, Excel Technical Campus Has kindly consented to felicitate the function

### Dr.S.ANBUKARUPPUSAMY

Director Administration, Excel Technical Campus Has kindly consented to offer felicitate the function

### Dr.C.KARTHIKEYANI

Director Academics, Excel Technical Campus Has kindly consented to offer keynote the function

### Dr.N.NATARAJAN

Professor & Head, Department of Mechanical Engineering Will welcome the gathering

In the presence of Staff Members and students of Excel Engineering College











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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.N.MATHAN KARTHICK
		Vice Chairman, Excel Group Institutions
Felicitation Address	· · ·	Dr.K.BOMMANNA RAJA
		Principal, Excel Engineering College,
		Executive Director, Excel Technical Campus
Felicitation Address		Dr.S.ANBUKARUPPUSAMY
		Director Administration, Excel Technical Campus
Key note Address	;	Dr.C.KARTHIKEYANI
en mer op de de la service de la constru		Director Academics, Excel Technical Campus
Vote of Thanks	:	Mr.K.ARULKUMAR
		Assistant Professor, Department of Mechanical
		Engineering
	NATIONAL	ANTHEM

**CONTRACTOR** 



has participated

The design contest titled "Design Contest in Bi- Cycle" Organized by Department of Mechanical Engineering.

Vistation

07.01.2023

N. Naterofe

Coordinator

DATE

Head - Mechanical





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### ACADEMIC YEAR 2022-23 DEPARTMENT OF MECHANICAL ENGINEERING "Design Contest on Bi-Cycle"

## **Participant List**

5

Roll	No/Reg	No
non	nu/neg	140

2	Stu	dent	Na	me

1	20ME001	ABHISHEK KUMAR
2	20ME002	ABHISHEK KUMAR
3	20ME003	ADITYA JAISWAL
4	20ME005	AMIT KUMAR
5	20ME007	ANIL KUMAR RAM
6	20ME008	ARAVINTH KUMAR V
7	20ME009	ARULIOTHI P
8	20ME011	DHANANJAY KUMAR
9	20ME013	DINESH M
10	20ME014	ELBIN GEORGE G
11	20ME015	GURUPRASANTH KARUPPANAN
12	20ME016	JAMALLA UDAY KRISHNA
13	20ME017	JEEVARAGAVAN M
14	20ME018	KARTHIK M
15	20ME019	KARTHIK P
16	20ME021	KARUPPUSAMY G
17	20ME022	LALITH KUMAR T A
18	20ME023	MAHESH KUMAR S
19	20ME024	MANJEET KUMAR
20	20ME025	MATHAN RAJ S
21	20ME026	MD GAYASUDDIN
22	20ME027	MD HEDAYATULLAH
23	20ME028	MD IRSHAD
24	20ME029	MD SHAHID K
25	20ME030	MESHACH NIKHIL K
26	20ME031	MOORTHIN
27	20ME033	RAJA KUMAR
28	20ME034	RANDIR KUMAR
29	20ME036	RAVIKUMAR
30	20ME037	REVANTH S R
31	20ME038	RISHAV RAJ
32	20ME039	RITIK RAUSHAN
33	20ME040	SACHIN KUMAR DUBEY
34	20ME041	SAKTHIVEL K
35	20ME044	SHANKAR KUMAR
36	20ME046	SHIVA PRAKASH S
37	20ME047	SONU KUMAR
38	20ME048	SONU KUMAR
39	20ME049	SRIKANTH B

S.No



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b	20ME052	VARUN KUMAR SINGH
41	20ME053	VASANTH S
42	20ME054	VICKY KUMAR
43	20ME055	VIJAY D
44	20ME056	VINOTH KUMAR M
45	20ME057	VIVEK YUMAR
46	20ME058	VIVEK KUMAR CHOUBEY
47	20RME059	ARHA M SAQUIB .
'48'	21RME061	SANJEEVIV

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10	21LME071
11	21LME072
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13	21LME074
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18	21LME079
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20	21LME082
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23	21LME085
24	21LME086
25,	21LME087
26	21LME088
27	21LME089
28	21LME090
29	21LME091
30	21LME093

Roll No/Reg No

### Student Name

AJAY R ANDRO JULIES BARATH S E BARATH V S BHAVANTH M **BIBIN C VARGHESE** BOOMILAN M DEEPAK R DEEPAN K **DEEPANCHAKRAVARTH** DHAMODHARAN D DHINESH V **GOKULRISHI Y** GOPI M GUNA R JAGADEESHKUMAR B JEEVARAGAVAN K JIBIN JOHN KOWSALYA P KURALARASAN S MAHENDRAN P MAIVIZHISELVAN R MANIK ANDAN D MANOJKUMAR R MUKES! BOOPATHI M MURUGASEN S NANJIL MUKILAN C.D NIKHIL R PONRAJ G PRADEEP 3

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40	21LME104	
41	21LME105	
42	21LME106	5
43	21LME107	1
44	21LME108	11
45	21LME109 /	
46	21LME116	
47	21LME1.11	
48	21LM 113	
49	21LME114	
50	231ME115	
51/	71LME116	
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PREMKUMAR V RAJKUMAR B RANDEEP S RANJITHKUMAR S **RISHIKUMAR P** SAKTHEESWARAN M SALAIKAVIN J SANJEEV V SANTHOSH P SATHISHKUMAR S SATHIYARAJ A SELVARAJU S SOUNDHAR S SOWNTHARYA P SREEKANTH R SRIHARIHARAN S SUBASH CHANDRA S. SUBASH R SUDHARSAN P SURESH S THANUSH S \ UDHAYAKUMAR V VIGNESH E VIGNESHWARANN SARATH KRISHNAN K

MoE's INNOVATION CELL (GOVERNMENT OF INDIA)

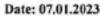




## EXCEL ENGINEERING COLLEGE



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### IICActivities for the Academic Year 2022- 2023

Semester	:	111/V/V11
Programme Driven by	1	IIC Calendar activity
Quarter	:	I
Programme / Activity Name	:	Organizing Design Contest on Bi-Cycle
Programme type	:	Level-3 Competition
Programme Theme	:	Developing students' ideas and creativity by using software knowledge to develop their skills.
Duration of the activity (in Hour)	:	3 Hours
Programme Start date and End Date	:	07.01.2023
No of Student participants	:	20 Team (100 Students)
No of External participants	:	Nil
No of Faculty participants	:	10
Expenditure Amount if any	:	Nil
Mode of Session Delivery	:	Offline
Objective (100 Words)		<ul> <li>To develop the student's skill and knowledge</li> <li>Developing new way of idea through their team members</li> </ul>
Benefits inters of learning/Skill/Knowledge obtained (150 Words)	:	<ul> <li>Identify unique ideas that can make a difference to the broader community</li> <li>The problems were collected from various engineering sectors that had a big impact on the society.</li> </ul>
Programme details	:	<ul> <li>Team registration would be via Google Forms or physical publicity where the Students need to register in a team of maximum 5 people for the design contest.</li> <li>The problem statements would be disclosed at various types of bicycle design.</li> </ul>

	<ul> <li>Students need to come up with a solution to the problem statement and need to pitch their ideas in of the panel.</li> </ul>
Outcome of the Programmme	<ul> <li>The students showed a nice inter-disciplinary approx to solve the various problems of different sectors.</li> <li>The juries were happy that such event was conducted such huge scale in the campus for students.</li> </ul>
Description	<ul> <li>On 07th of January 2023, the most awaited event Desig contestcompletion was organized at Excel Engineering College. The event lasted the entire day from 10:00 AM 1:00 PM where in students participated enthusiastically</li> <li>The event started with the inaugural ceremony in t presence of the Chief Guest, Principal of the college at heads of the various departments and other fearlier</li> </ul>
	<ul> <li>heads of the various departments and other faculties.</li> <li>It started with a Prayer accompanied by the Lan Lightening by the members on the dais, faculties an Student Leaders. Dr. N. Natarajan sir gave an openin remark about Design competition. He enlightened the students by introducing the idea of startup in various fields. He aimed at motivating students to think out of the box with creativity.</li> </ul>
	<ul> <li>Further coordinator Mr.V.Karthikyan briefed about Competition and its benefits to the students.</li> <li>Also, Mr.K.Arulkumar addressed the audience by introducing himself and gave a few words of motivation for the budding engineers.</li> </ul>
	<ul> <li>Following the end of the ceremony the vote of thank was given by the student president of the college, Mr Aakash. It ended with the National Anthem.</li> <li>The event started at 10:00 AM with the distribution of problem statements. At 10:30 AM students started</li> </ul>
	<ul> <li>working on the problem they chose.</li> <li>After all the presentations were done, results were declared and the winners were awarded with a certificate and prize.</li> </ul>



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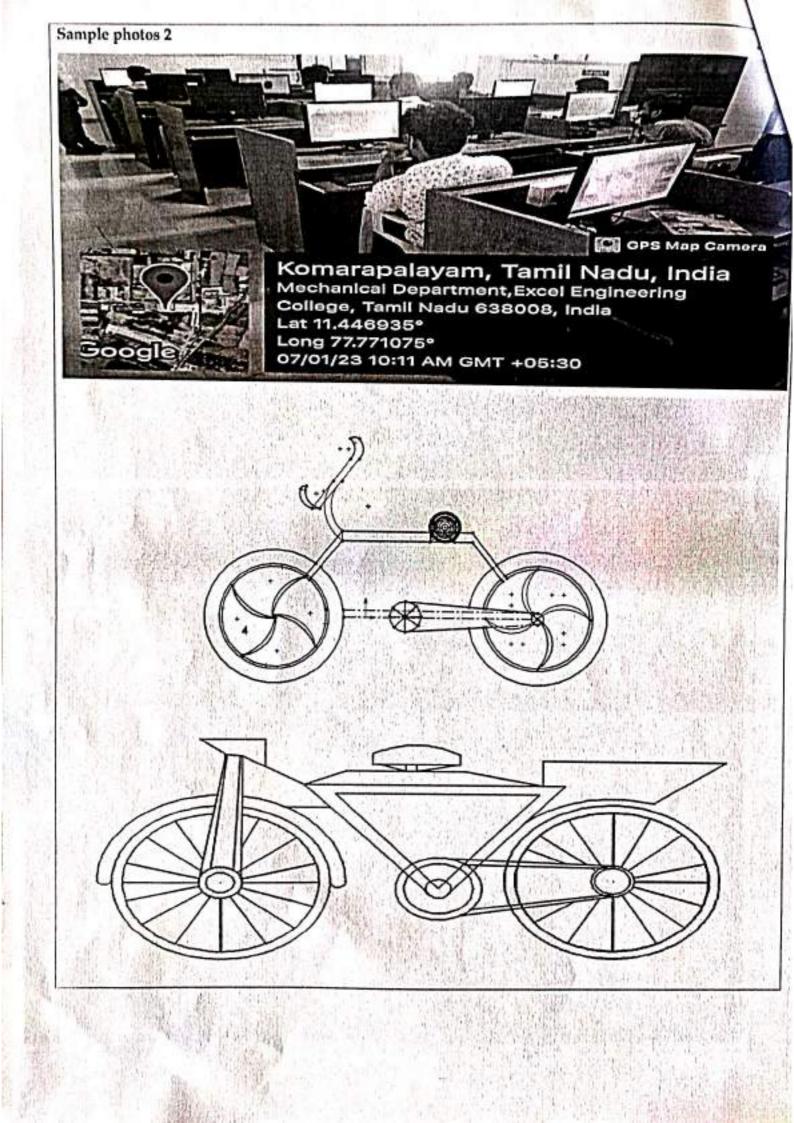
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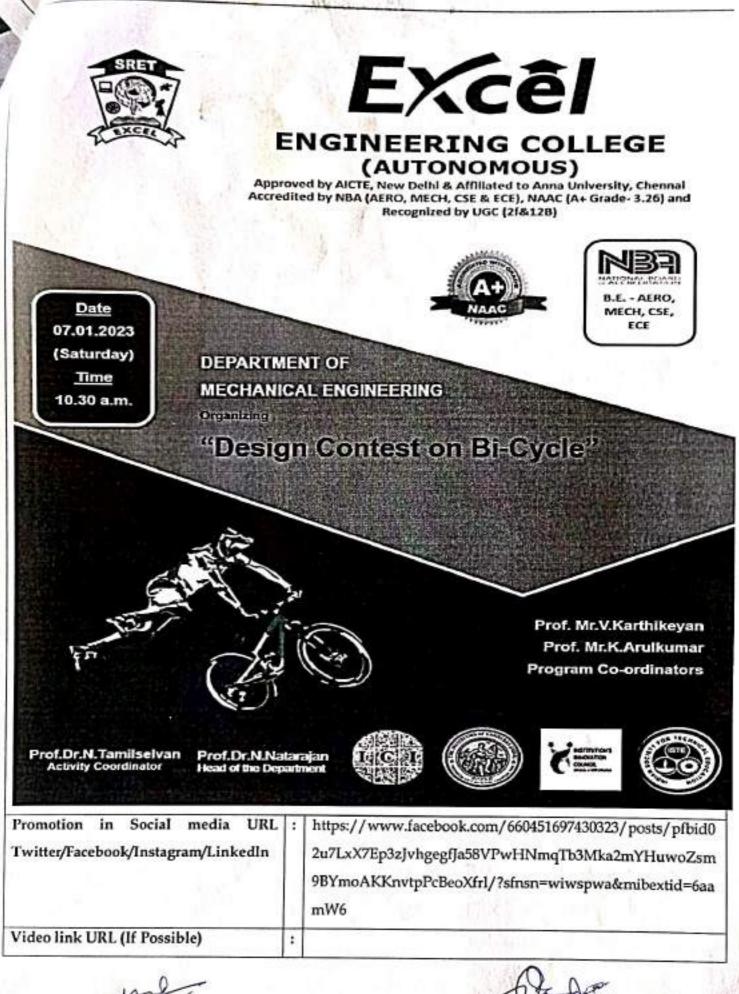
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IIC Coordinator

IIC Chief Coordinator



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#### ACADEMIC YEAR 2022-23

DEPARTMENT OF MECHANICAL ENGINEERING

"Design Contest on Bi-Cycle"

Date: 08.01.2023

Date of the Event Time of the Event Venue Event Organizers : 07.01.2023

: 10.00 am to 11.00 am

: CADD CENTER

1. Mr.V.Karthikeyan AP / MECH / EEC

2. Mr. K.Arulkumar AP / MECH / EEC

Summary of the event:

The main theme of the event was briefed by Dr.N.Natrajan Head of the Department Mechanical explained the rules and regulation of the open design contest to the young students assembled for the competition, after the introductory session students actively participated in design contest "Bi-Cycle Design"

Finally, on consolidating the event Mr. K.Arulkumar delivered the vote of thanks and appreciated the students for participating in that event

At last, the drawing competition were completed successfully show the talents and techniques of the students.

Number of Participants:

Staffs: 2, Students: 30



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<u>Date</u> 13.01.2023 (Friday)

<u>Time</u>

3.00 p.m.





B.E. - AERO, MECH, CSE, ECE

### **Department of Mechanical Engineering**

Organizes

"Pongal Celebration"

Venue Mechanical Engineering, Excel Engineering College Campus

Prof. Dr.N.Natarajan Program Co-ordinator





(AUTONOMOUS) Komarapalayam - 637 303. Namakkal District.



# அறைபிராற்ற கனவரி 13 – 2023

To,

Department of Mech

Welcoming all

baculty members

Amyzhas Sie Dom வாங்கல் நல்வாழ்த்துக்கள் சுழன்றும்ஏர்ப் பின்னது உலகம் அதனால்

உழுந்தும் உழவே தலை

வருக்ன்ற அனவர் 13–01–2023 அன்று நம் பிக்ஸல் பொற்பியல் கல்லூர் வளாகத்தல் நமது பாரம்பரிய பொங்கல் பண்டிகையின் சிறப்பு நிகழ்ச்சிகள் நடைபெற உள்ளது. அனைவரும் இவ்விழாவிற்கு வருகைதந்து தங்களின் அன்பும், ஆதரவும் அளத்து இவ்விழாவினை சிறப்பிக்குமாறு அன்புடன் கேட்டுக்குகாள்க்றோம்.

> இப்படிக்கு, எக்ஸல் பொறியியல் கல்லூரி மாணவர்கள்

நிகழ்ச்சிநிரல் :–

காலை 10.00 மணி பொங்கல்	பொங்கல்		
காலை 10.30 மணி பாரம்பரிய கலைநிகழ்ச்	பாரம்பரிய கலைநிகழ்ச்சிகள்		
காலை 11.00 மணி பொங்கல் வழங்குதல்	பொங்கல் வழங்குதல்		
மதியம் 12.00 மணி விளையாட்டுப்போட்டிக	விளையாட்டுப்போட்டிகள்		
மதீயம் 1.00 மணி தாரை, தப்படடை			



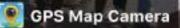
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GPS Map Camera



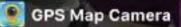
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Google





Erode, Tamil Nadu, India 8P8G+PRQ, SH 83A, LIC Nagar, Bharathi Nagar, Moolapalayam, Erode, Tamil Nadu 638002, India Lat 11.31696° Long 77.727098° 13/01/23 10:48 AM GMT +05:30



Erode, Tamil Nadu, India 8P8G+PRQ, SH 83A, LIC Nagar, Bharathi Nagar, Moolapalayam, Erode, Tamil Nadu 638002, India Lat 11.31696° Long 77.727098° 13/01/23 10:49 AM GMT +05:30

Google



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<u>Date</u> 21.01.2023 (Saturday) Time

10.30 a.m.

DEPARTMENT OF

MECHANICAL ENGINEERING

Organizing

Webinar on "OPPORTUNITIES FOR QUALITY CONTROL ENGINEERS IN INDUSTRIES"



Mr.K.Jayaseelan Quality Lead - Processware Bangalore Dr.A.KARTHIKEYAN Mr.M.NANDHA KUMAR Mr.N.SELVA KUMAR Program Co-ordinators

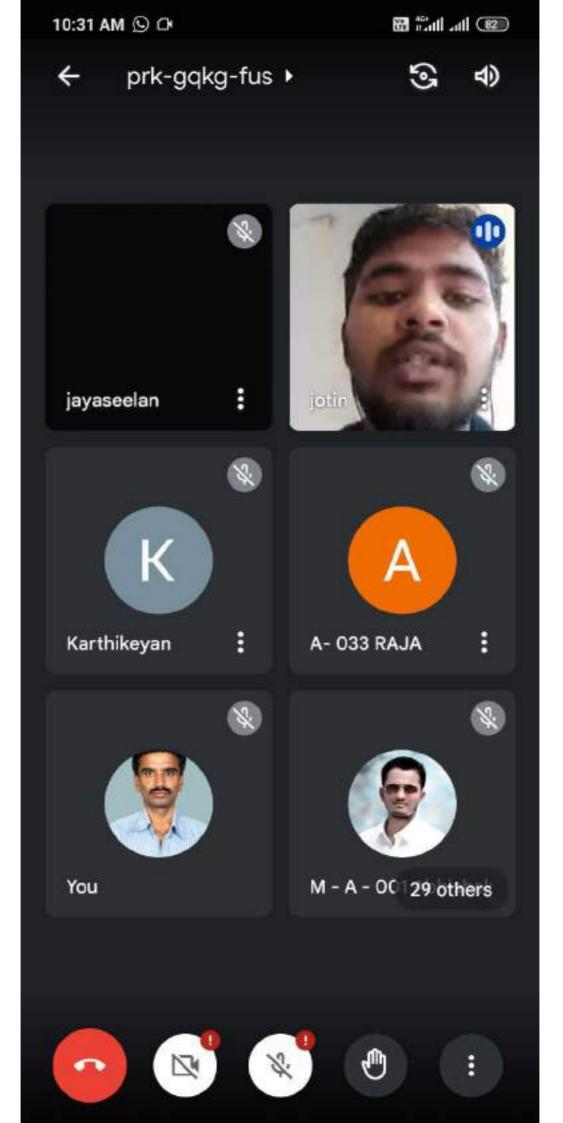
Prof.Dr.N.Venkatachalam Prof.Dr.N.Natarajan Activity Coordinator Head of the Department

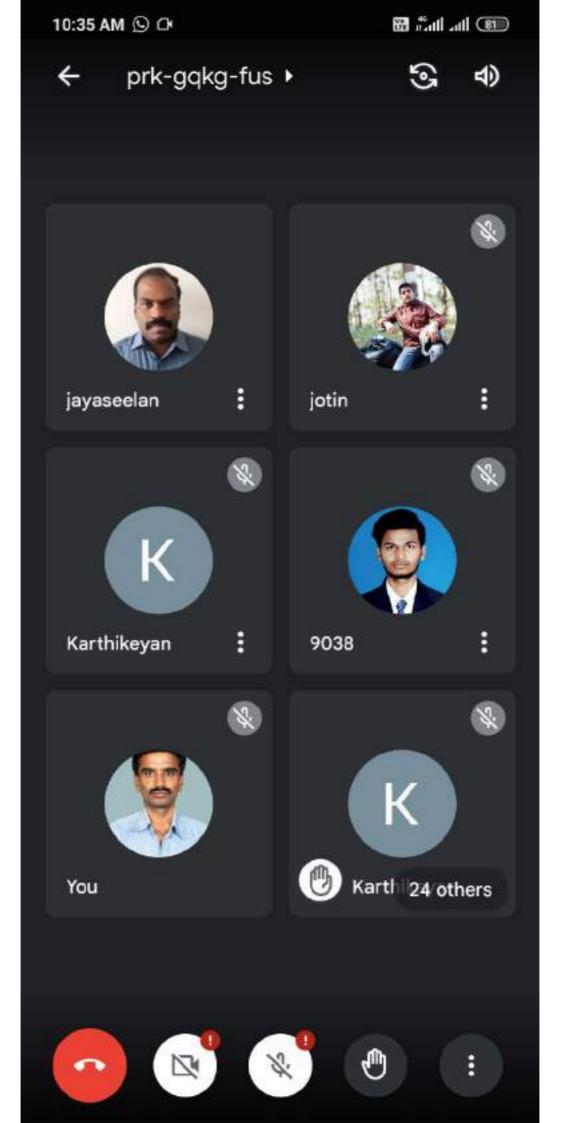












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## EXCEL ENGINEERING COLLEGE (Autonomous) KOMARAPALAYAM - 637303

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> Date: 19.01.2023 Place: Excel Group Institutions

From,

Dr.A.Karthikeyan, Mr.M.Nandha Kumar Mr.R.Premraj Mr.M.Sambath Kumar Department of Mechanical Engineering, Excel Engineering College, Komarapalayam.

To,

The Principal, Excel Engineering College, Komarapalayam.

**Respected Sir**,

Sub: Permission to conduct Webinar, Product Presentation & One day Workshop - Reg

On behalf of Saturday Activities, the Department of Mechanical Engineering has planned to conduct the following programs for Second, Third & Final year students on 21.01.2023.

1. Webinar on "Opportunities for Quality Control Engineers in Industries"

2. Product Presentation - Two Wheeler Vehicles

3. One day Workshop on "Vehicle Health Monitoring and Maintenance - Hyundai Professional Development centre"

Hence we kindly request you to grant permission for the Event.

Thank You

HoD/Mech **Director Academic** 

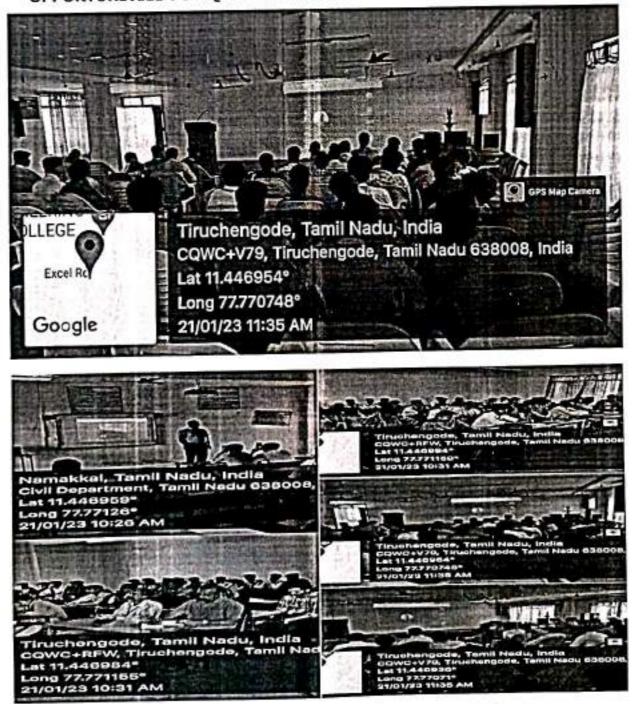
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### DEPARTMENT OF MECHANICAL ENGINEERING

OPPORTUNITIES FOR QUALITY CONTROL ENGINEERS IN INDUSTRIES





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### DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Event	Opportunities for Quality Control Engineers in Industries			
Event Date	21.01.2023			
about the Event	"Opportunities for Quality Control Engineers in Industries" is a online webinar conducted Final Year Mechanical Engineering students. This webinar was conducted by Mr.K.Jayaseelan, Quality Lead – Process ware Bangalore. This webinar provides a basic understanding and fundamental principles of Current Good Manufacturing Practices and also involves the documented training of good quality engineers in industries. This training program will examine how human factors/usability is the analysis of how people interact with design process. This webinar also provides the knowledge about manufacturing sector which persistently faces the urgency to adapt to the new innovative changes in technology to keep up with demand and stay competitive.			

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# ENGINEERING COLLEGE (AUTONOMOUS)

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<u>Date</u> 21.01.2023 (Saturday)

<u>Time</u>

11.30 a.m.

DEPARTMENT OF MECHANICAL ENGINEERING

Organizing

# PRODUCT PRESENTATION on "TWO WHEELER VEHICLES"



Dr.A.KARTHIKEYAN Mr.M.NANDHA KUMAR Mr.N.SELVA KUMAR Program Co-ordinators

Prof.Dr.N.Venkatachalam Prof.Dr.N.Natarajan Activity Coordinator Head of the Department









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#### DEPARTMENT OF MECHANICAL ENGINEERING

#### **PRODUCT PRESENTATON on "TWO WHEELER VEHICLES"**





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#### EXCEL ENGINEERING COLLEGE (Autonomous) KOMARAPALAYAM - 637303

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> Date: 19.01.2023 Place: Excel Group Institutions

From,

Dr.A.Karthikeyan, Mr.M.Nandha Kumar Mr.R.Premraj Mr.M.Sambath Kumar Department of Mechanical Engineering, Excel Engineering College, Komarapalayam.

To,

The Principal, Excel Engineering College, Komarapalayam.

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Thank You

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# DEPARTMENT OF MECHANICAL ENGINEERING

# PRODUCT PRESENTATON on "TWO WHEELER VEHICLES"







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# DEPARTMENT OF MECHANICAL ENGINEERING

Name of the Event Product Presentation on Two Wheeler Vehicles.			
Event Date	21.01.2023		
about the Event	"Product Presentation on Two Wheeler Vehicles." is a Presentation contest conducted for Third Year Mechanical Engineering students. The main theme of this event is to make the students to think and present their design ideas in modeling their dream vehicle for the future. In this product presentation students can express their innovative ideas on two wheelers. Students can also present about various brands, automotive engines and different types of manufacturing technologies involved in production of Two Wheelers. At the End of the event students were provided with Online participation certificates after collecting their feedback about the event.		

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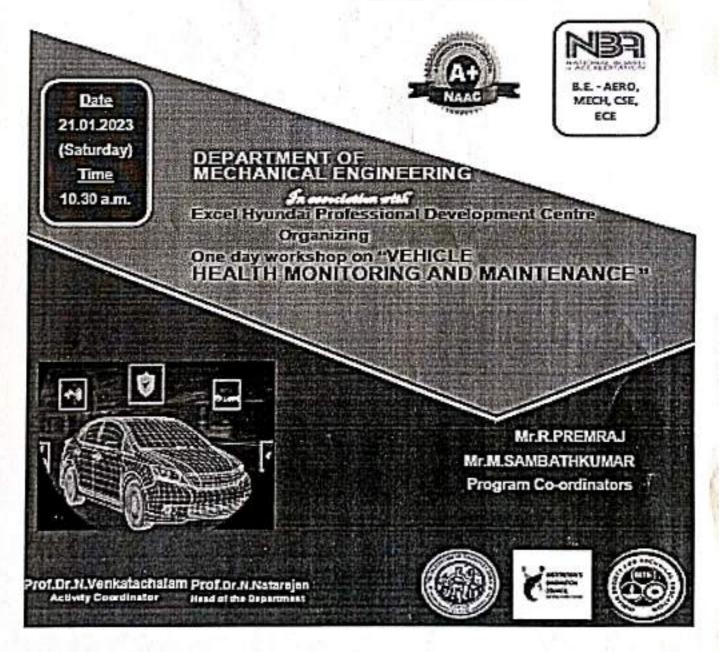
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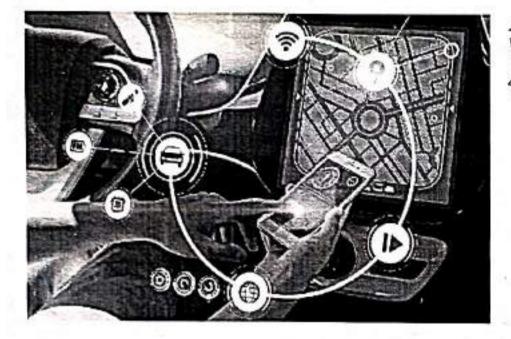
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W HoD/Mech rity Coordinator

intal 23 Director Academic

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## ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai Accredited by NBA (AERO, MECH, CSE & ECE), NAAC (A+ Grade- 3.26) and Recognized by UGC (2f&12B)

# DEPARTMENT OF MECHANICAL ENGINEERING Organizing Hyundai Professional Development Centre One Day Workshop on "Vehicle Health Monitoring and Maintenance"

Date : 21.01.2023 (Saturday) Time:10.30 a.m.



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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.N.MATHAN KARTHICK
		Vice Chairman, Excel Group Institutions
Felicitation Address	- :	Dr.K.BOMMANNA RAJA
		Principal, Excel Engineering College,
		Executive Director, Excel Technical Campus
Felicitation Address	l. :	Dr.S.ANBUKARUPPUSAMY
		Director Administration, Excel Technical Campus
Key note Address	:	Dr.C.KARTHIKEYANI
		Director Academics, Excel Technical Campus
Vote of Thanks	:	Mr.R.PREMRAJ
		Assistant Professor, Department of Mechanical
		Engineering

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"Vehicle Health Monitoring and Maintenance"

#### Dr.N.MATHAN KARTHICK

Vice-Chairman, Excel Group Institutions Will preside over the function

#### Dr.K.BOMMANNA RAJA

Principal, Excel Engineering College, Executive Director, Excel Technical Campus Has kindly consented to felicitate the function

#### Dr.S.ANBUKARUPPUSAMY

Director Administration, Excel Technical Campus Has kindly consented to offer felicitate the function

#### Dr.C.KARTHIKEYANI

Director Academics, Excel Technical Campus Has kindly consented to offer keynote the function

#### Dr.N.NATARAJAN Professor & Head, Department of Mechanical Engineering Will welcome the gathering

In the presence of Staff Members and students of Excel Engineering College

















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Date: 21.01.2023

#### IIC Activities for the Academic Year 2022- 2023

Semester	:	I
Programme Driven by	:	IIC Calendar activity
Quarter	:	I
Programme / Activity Name	:	Workshop /Vehicle Health Monitoring System
Programme type	:	Level-II- Workshop / Vehicle Maintenance
Programme Theme	:	Automotive System Servicing
Duration of the activity (in Hour)	:	6 Hours
Programme Start date and End Date		21.01.2023
No of Student participants	:	75 Students
No of External participants	:	NIL
No of Faculty participants	:	10
Expenditure Amount if any	1	NA
Mode of Session Delivery	:	Offline
Objective (100 Words)		<ul> <li>Describes and discusses current trends in the automobile servicing and industrial engineering discipline.</li> <li>To gathering of people for the purpose of discussing a stated topic.</li> </ul>
Benefits inters of learning/Skill/Knowledge obtained (150 Words)	:	<ul> <li>Workshop/Training programmes provides a chance to interact with experts from the specific field.</li> <li>Acquirement of Knowledge in a Particular Field.</li> <li>Discussing about the relevant topics of the particular subject, students tend to learn about the latest information and new skills related to the concerned subject.</li> </ul>
rogramme details	:	<ul> <li>Organized a Team &amp; need a team to help</li> <li>Look for Keynote Speakers. (Experts from Host Institution)</li> </ul>

Outcome of the Programmme	<ul> <li>Manage Logistics.</li> <li>Create a Program.</li> <li>Plan Promotions.</li> <li>Things to Remember on the Day.</li> <li>Execute Post-Event Activities.</li> <li>The students were asked to collect the relevant necessary information and prepare the technical paper and present the same as the course seminar based on the areas such as Automobile sectors.</li> <li>Students are got more informative skills in the areas of vehicle maintenance.</li> </ul>
Description	<ul> <li>Workshop on "Vehicle Health monitoring and maintenance" on 21<sup>st</sup> January 2023 starts at 10.00 am with welcome address by Dr.N.Tamilselvan of Mechanical Engineering. in this, the event kick started by Mr.M.Sambathkumar,AP/Mech &amp; Mr.R.Premra AP/Mech and they talks about basics abou. "Automobiles and Engine Management system in automotive applications".</li> <li>A wide range of subjects are taught in Automobil engineering which include mobility design an aesthetics, Automotive materials, Automotive electric: and electronics, computer-aided vehicle design, vehici maintenance, electric mobility. Thermodynamic Engineering mechanics, Manufacturing Technolog Fuels etc., also talks about development of passenger can trucks, buses, motorcycles, or off-road vehicles.</li> <li>Finally Feedbacks are get it from Participants and takin some valuable suggestions from participants side.</li> </ul>



IIC Coordinator

IIC Chief Coordinator

	Excel Engine	ering College (Auto	nomous)		
	Departmen	t of Mechanical Eng	incering		
Feed Back on V	echicle Heal	th Monitoring and M	Maintenance 2	1-01-2023	
Name of the Student	Year of Studying	Roll.No & Sec	How do you feel about the seminar	How do you feel about the content delivered?	Any suggestions
D. MANIKANDAN	III Year	21LME085 .B	5	5	No
SANJEEV.V	III Year	21LME102/B	2	1	No
S. Ranjith kumar	III Year	21lme097&B	5	4	Very nice
BHAVANTH M	III Year	21LME066	4	4	No
S.Deepanchakravarthi	III Year	21LME071	5	5	No
R.NIKHIL	III Year	21LME090 - B sec	5	5	Excellent
SUBASH CHANDRA S R	III Year	21LME111 & B	4	4	
S.KURALARASAN	III Year	21LME082	4	5	
SOUNDHAR S	III Year	21LME107 & "B"	4	5	
MURUGASEN.S	III Year	2LME088&B	5	5	
M.saktheeswaran	III Year	21/me100/B	5	5	Super sir
sathiyarajsathi001@gmail.com	III Year	21LME105 & B	5	5	No



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#### ACADEMIC YEAR 2022-23

#### DEPARTMENT OF MECHANICAL ENGINEERING

"Workshop"

Date: 23.11.2022

Date of the Event Time of the Event Venue List of Events : 21.01.2023 (Saturday) : 10.00 am to 4.00 pm : Hyundal Lab :

1. Workshop on Vehicle Health Monitoring and Maintenance.

**Event Organizers** 

Mr.R.Premraj AP /MECH /EEC

2. Mr.M.Sambathkumar AP / MECH / EEC

Summary of the event:

The Workshop on "Vechicle Health Monitoring and Maintenance" on 21th January 2023 starts at 10.00 am with welcome address by Dr.N.Venkatachalam of Mechanical Engineering. In this, the event kick started by Mr.M.Sambathkumar, AP/Mech & Mr.R.Premraj AP/Mech and they talks about basics about "Automobiles and Engine Management system in automotive applications".

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, Thermodynamics, Engineering mechanics, Manufacturing Technology, Fuels etc., also talks about development of passenger cars, trucks, buses, motorcycles, or off-road vehicles.

Number of Participants:

Staffs: 2, Students: 30

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Prof.Dr.N.Venkatachalam Prof.Dr.N.Natarajan Activity Coordinator Head of the Department







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DEPARTMENT OF NECHANICAL ENGINEERING

Date: 24.01.2023

24/0123

Submitted to principal 日本市の日本

Sub: Mech Dept- Inaguration of SAE Club - Reg

SAEINDIA Club has been formed with so student members and 2 faculty Professional members. As per cedure the SAEINDIA the procedure the SAEINDIA of Erode division along with our SAE club have jointly planned to have the Inaugural function for the SAEInde 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 :

900 /

1000 -

2,4000

500

Venue: APJ Hall

2. Hospitality 3, Shield

1. Banner

It is requested that the above amount may be granted Br he inauguration. D. Oftentinas [Providences]

Professional Members my le considert

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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.SaravananAssistant 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 ·

2511/23 NNa HOD/Mech

Copy to:

1. Principal

2. All classrooms



# 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\* JAN 2023 at 10:30A.M in APJ HALL

> Prof.Dr.A.K.NATESAN Chairman, Excel Group Institutions Willpreside 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.EASWARMOORTHI 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..... ASME







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# 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.EASWARAMOORTHI Chairman SAEISS Erode Division
Felicitation Address	•	Dr.S.ANBUKARUPPUSAMY Dr.C.KARTHIKEYANI Dr.S.JEGADHEESWARAN
Inaugural Address	r	Dr.V.S.SARAVANAN Junior Vice President Indoshell Casting Pvt Ltd; Colmbatore
Vote of Thanks	:	Mr.R.PREMRAJ SAE Coordinator Excel College of Engineering

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#### 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 criterions, which are often conflict with each other. In the development of a new vehicle, major design criterions 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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**Event Photos** 









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### Date

04.02.2023

(Saturday)

Time

10.30 a.m.

DEPARTMENT OF MECHANICAL ENGINEERING SAEINDIA COLLEGIATE CLUB

Guest Lecture on "Electrical Vechicle 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

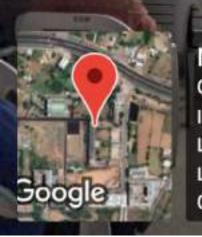
Dr. N. Natarajan Head of the Department Mechanical Engineering







📳 GPS Map Camera



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	PALAYAM	-637303
DEPARTMENT	OF MECHANICAL	- ENGINEERING
"Ele	ectric Vehicle Techn	ology"
	AGE	NDA
Date: 04.02.2023 Venue: APJ Ha	all, EEC Campus	
Prayer	:	BYEXCELLIANS
VelcomeAddress	:	Dr.N.VENKATACHALAM
		Activity Coordinator/ Excel Engineering Colleg
Honoring the Chief Guest		Dr.N.MATHANKARTHICK
	:	Vice Chairman, Excel Group Institutions
& Presidential Address		Dr.K.BOMMANNARAJA
Felicitation Address	:	Principal, Excel Engineering College
		,Executive Director, Excel Technical Campus
		Dr.S.SHANMUGAM
Felicitation Address	:	Former Chairman SAEISS, Design Desk India Byt, Ltd
		Design Desk India Pvt. Ltd, Chennai
Vote of Thanks	:	<b>Mr.S.SIVAKUMAR</b> Final Year,
		Department of Mechanical
		Engineering
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	Excel Engineering College (AUTONOMOUS)							
	Department of Mechanical Engineering							
	Students Participation List							
S.No.	Year	Roll No	Students Name					
1	II YEAR	20ME09	ARUL JOTHI. P					
2	II YEAR	20ME015	GURUPRASATH KARUPPANAN					
3	II YEAR	20ME017	JEEVA RAGAVAN. M					
4	II YEAR	20ME018	KARTHIK. P					
5	II YEAR	20ME019	KARTHIK. M					
6	II YEAR	20ME021	KARUPPUSAMY					
7	II YEAR	20ME022	LALITH KUMAR T. A					
8	II YEAR	20ME025	MATHAN RAJ. S					
9	II YEAR	20ME030	MESHACH NIKHIL					
10	II YEAR	20ME031	MOORTHI. N					
11	II YEAR	20ME037	REVANTH. S. R					
12	II YEAR	20ME041	SAKTHIVEL. K					
13	II YEAR	20ME048	SRIKANTH. B					
14	II YEAR	20ME052	VASANTH. S					
15	II YEAR	20ME054	VIJAY. D					
16	II YEAR	20ME055	VINOTH KUMAR. M					
17	II YEAR	20ME08	ARAVINTH KUMAR. V					
18	II YEAR	20ME015	SOUNDHAR					
19	II YEAR	20ME017	GOKUL RISHI					
20	II YEAR	20ME018	PREAM					
21	II YEAR	20ME019	MANIKANDAN					
22	II YEAR	20ME021	MAHENDRAN					
23	II YEAR	20ME022	SABASH CHAND					
24	II YEAR	20ME025	PRADEEP					
25	II YEAR	20ME015	MANOJ					
26	II YEAR	20ME017	MURUGASAN					
27	II YEAR	20ME018	AARIFSULTHAN. J					
28	II YEAR	20ME019	AKASH KRISHNAN					
29	II YEAR	20ME021	BALA KRISHNA S. T					
30	II YEAR	20ME022	BEN JACOB FRANCIS					
31	II YEAR	20ME025	DHARNENDRA KUMAR					
32	II YEAR	20ME015	FAHEEM E. K					
33	II YEAR	20ME017	JIRIN MATHEW					
34	II YEAR	20ME018	FAZALU RAHMAN					
35	II YEAR	20ME019	JOSE ANTONY ADARSH					
36	II YEAR	20ME021	JOTHEESWARAN. A					
37	II YEAR	20ME022	MUHAMED ASHMAL. P					
38	II YEAR	20ME025	RAJESH. R					
39	II YEAR	20ME017	SABESH. T					
40	II YEAR	20ME018	SAFARIN. S					
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# ENGINEERING COLLEGE (AUTONOMOUS)

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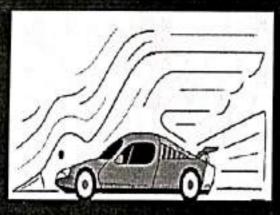


<u>Date</u> 04.02.2023 (Saturday) <u>Time</u> 10.30 a.m.

DEPARTMENT OF MECHANICAL ENGINEERING In Association with

Hyundai Professional Development Centre Organizes workshop on

"Vehicle Aerodynamics"



Prof.Dr.N.Venkatachalam Prof.Dr.N.Natarajan Activity Coordinator Head of the Department







Mr.T.KARTHIKEYAN Mr.M.SAMBATHKUMAR Program Co-ordinators

### **Permission Letter**

Date: 25 / 01 /2023 Place: Komarapalayam

From

M.Sambathkumar R.Premraj Assistant Professor(s) Department of Mechanical Engineering Excel Engineering College (Autonomous) Komarapalayam.

To

The Principal Excel Engineering College (Autonomous) Komarapalayam.

Sir

Subject: Seeking permission to organize Workshop on "Vehicle Aerodynamics"- reg

Sir, I would like to organize Workshop on "Vehicle Aerodynamics" to Mechanical Engineering

students on Saturday (04th February 2023), so that I kindly request you to permit us to conduct the event.

Thank you

Yours truly

Head / Mechanical



(Autonomous)

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"Vehicle Aerodynamics"

# 04th February 2023

Dr.N.MATHAN KARTHICK

Vice-Chairman, Excel Group Institutions Will preside over the function

### Dr.K.BOMMANNA RAJA

Principal, Excel Engineering College, Executive Director, Excel Technical Campus Has kindly consented to felicitate the function

### Dr.S.ANBUKARUPPUSAMY

Director Administration, Excel Technical Campus Has kindly consented to offer felicitate the function

### Dr.C.KARTHIKEYANI

Director Academics, Excel Technical Campus Has kindly consented to offer keynote the function

Dr.N.NATARAJAN Professor & Head, Department of Mechanical Engineering Will welcome the gathering

In the presence of Staff Members and students of Excel Engineering College













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# EXCEL ENGINEERING COLLEGE

### (Autonomous)

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# DEPARTMENT OF MECHANICAL ENGINEERING

### AGENDA

BY EXCELLIANS Prayer Dr.N.NATARAJAN Welcome Address HoD/Mechanical,Excel Engineering College Dr.N.MATHAN KARTHICK Presidential Address Vice Chairman, Excel Group Institutions Dr.K.BOMMANNA RAJA Felicitation Address Principal, Excel Engineering College, Executive Director, Excel Technical Campus Dr.S.ANBUKARUPPUSAMY Felicitation Address Director Administration, Excel Technical Campus Dr.C.KARTHIKEYANI Key note Address Director Academics, Excel Technical Campus Mr.M.SAMBATHKUMAR Vote of Thanks Assistant Professor, Department of Mechanical

NATIONAL ANTHEM

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Engineering









(Autonomous)

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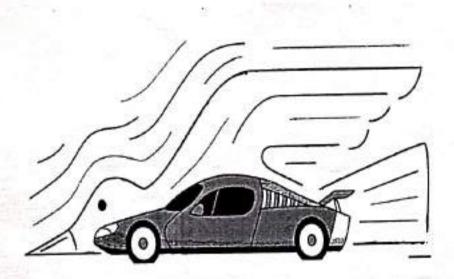
Date: 04.02.2023

### IIC Activities for the Academic Year 2022- 2023

Semester ·	:	1
Programme Driven by	:	IIC Calendar activity
Quarter	:	I
Programme / Activity Name	:	Workshop
Programme type	:	Level-II- Workshop / Vehicle Aerodynamics
Programme Theme	1	Dynamics of Automotive System
Duration of the activity (in Hour)	:	6 Hours
Programme Start date and End Date	:	04.02.2023
No of Student participants	1	75 Students
No of External participants	:	NIL
No of Faculty participants	1	10
Expenditure Amount if any	1	NA
Mode of Session Delivery	1	Offline
Objective (100 Words)		<ul> <li>Describes and discusses the automobile aerodynamics and its effects.</li> <li>To gathering of people for the purpose of discussing a stated topic.</li> </ul>
Benefits inters of learning/Skill/Knowledge obtained (150 Words)	:	<ul> <li>Workshop/Training programmes provides a chance to interact with experts from the specific field.</li> <li>Acquirement of Knowledge in a Particular Field.</li> <li>Discussing about the relevant topics of the particular subject, students tend to learn about the latest information and new skills related to the concerned subject.</li> </ul>
Programme details		Organized a Team & need a team to help     Look for Keynote Speakers. (Experts from Host Institution

		<ul> <li>Manage Logistics.</li> <li>Create a Program.</li> <li>Plan Promotions.</li> <li>Things to Remember on the Day.</li> <li>Execute Post-Event Activities.</li> </ul>
Outcome of the Programmme	1	<ul> <li>The students were asked to collect the relevant necessary information and prepare the technical paper and present the same as the course seminar based on the areas such as Automobile sectors.</li> <li>Students are got more informative skills in the areas of vehicle maintenance.</li> </ul>
Description	:	<ul> <li>Workshop on "Vehicle Aerodynamics" on 04<sup>th</sup> February 2023 starts at 10.00 am with welcome address by Dr.N.Tamilselvan of Mechanical Engineering. in this, the event kick started by Mr.M.Sambathkumar, AP/Mech &amp; Mr.R.Premraj AP/Mech and they talks about basics about "Automobiles and Engine Management system in</li> </ul>
		<ul> <li>automotive applications".</li> <li>A wide range of subjects are taught in Automobile engineering which include vehicle aerodynamics, mobility design and aesthetics Automotive materials, Automotive electrical and electronics, computer-aided vehicle design, vehicle maintenance, electric mobility, Thermodynamics</li> </ul>
		Engineering mechanics, Manufacturing Technology Fuels etc., also talks about development of passenger cars trucks, buses, motorcycles, or off-road vehicles.









# EXCE ENGINEERING COLLEGE (AUTONOMOUS)

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# DEPARTMENT OF MECHANICAL ENGINEERING

In Association with

Hyundai Professional Development Centre

Organizing

Workshop on

# "Vehicle Aerodynamics"

Date : 04.02.2023 (Saturday) Time:10.30 a.m.



### EXCEL ENGINEERING COLLEGE(Autonomous) Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f &12B) KOMARAPALAYAM - 637303 DEPARTMENT OF MECHANICAL ENGINEERING & Hyundai Professional Development Centre Organizes Workshop on <u>"Vehicle Aerodynamics"</u>

Participants List

S. No	Roll Number	Reg. Number	Student Name
1	21LME062	730920114301	AJAY.R
2	21LME063	730920114302	ANDRO JULIES
3	21LME064	730920114303	BARATH.S.E
4	21LME065	730920114304	BARATH.V.S
5	21LME066	730920114305	BHAVANTH M
6	21LME067	730920114306	BIBIN.C.VARGHESE
7	21LME068	730920114307	BOOMILAN.M
8	21LME069	730920114308	DEEPAK.R
9	21LME070	730920114309	DEEPAN.K
10	21LME071	730920114310	DEEPANCHAKRAVARTHLS
11	21LME072	730920114311	DHAMODHARAN.D
12	21LME073	730920114312	DHINESH.V
13	21LME074	730920114313	GOKULRISHI.Y
14	21LME075	730920114314	GOPI.M
15	21LME076	730920114315	GUNA.R
16	21LME077	730920114316	JAGADEESHKUMAR.B
17	21LME078	730920114317	JEEVARAGAVAN.K
18	21LME079	730920114318	JIBIN JOHN
19	21LME081	730920114319	KOWSALYA.P
20	21LME082	730920114320	KURALARASAN.S
21	21LME083	730920114321	MAHENDRAN.P
22	21LME084	730920114322	MAIVIZHISELVAN.R
23	21LME085	730920114323	MANIKANDAN.D
24	21LME086	730920114324	MANOJKUMAR.R
25	21LME087	730920114325	MUKESH BOOPATHI M
26	21LME088	730920114326	MURUGASEN.S
27	21LME089	730920114327	NANJIL MUKILAN.C.D
28	21LME090	730920114328	NIKHILR
29	21LME091	730920114329	PONRAJ.G
30	21LME093	730920114330	PRADEEP.G
31	21LME094	730920114331	PREMKUMAR.V
32	21LME095	730920114332	RAJKUMAR.B
33	21LME096	730920114333	RANDEEP.S
	21LME090	730920114334	RANJITHKUMAR.S
34	21LME097	730920114335	RISHIKUMAR.P

36	21LME100	730920114336	SAKTHEESWARAN.M
37	21LME101	730920114337	SALAIKAVIN.T
38	211.ME102	730920114338	SANJEEV.V
39	21LME103	730920114339	SANTHOSH.P
40	21LME104	730920114340	SATHISH KUMAR.S
41	211.ME105	730920114341	SATHIYARAJ.A
42	21LME106	730920114342	SELVARAJU.S
43	21LME107	730920114343	SOUNDHAR.S
44	21LME108	730920114344	SOWNTHARYA.P
45	21LME109	730920114345	SREEKANTH.R
46	21LME110	730920114346	SRIHARIHARAN.S
47	21LME111	730920114347	SUBASH CHANDRA.S.R
48	21LME113	730920114348	SUBASH.R
49	21LME114	730920114349	SUDHARSAN.P
50	21LME115	730920114350	SURESH.S
51	21LME116	,730920114351	THANUSH.S
52	21LME117	730920114352	UDHAYAKUMAR.V
53	21LME118	730920114353	VIGNESH.E
54	21LME119	730920114354	VIGNESHWARAN.V
55	21LME121	730920114355	SARATH KRISHNA.K
56	20ME001	730920114001	ABHISHEK KUMAR
57	20ME002	730920114002	ABHISHEK KUMAR
58	20ME003	730920114003	ADITYA JAISWAL
59	20ME005	730920114005	AMIT KUMAR
60	20ME006	730920114006	ANIKET KUMAR SINGH
61	20ME007	730920114007	ANIL KUMAR RAM
62	20ME008	730920114008	ARAVINTH KUMAR.V
63	20ME018	730920114018	KARTHIK.M
64	20ME024	730920114024	MANJEET KUMAR
65	20ME025	730920114025	MATHAN RAJ.S
66	20ME026	730920114026	MD GAYASUDDIN
67	20ME027	730920114027	MD HEDAYATULLAH
68	20ME028	730920114028	MD IRSHAD

### Excel Engineering College (Autonomous) cal Engineering -Hyundai Professional Development Centre Feed Back on Workshop (Vehicle Aerodynamics) 04-01-2023

Name of the Student	Year of Studyin g	Roll.No & Sec	How do you feel about the seminar	How do you feel about the content delivered?	Any suggestions
D. MANIKANDAN	III Year	21LME085 .B	5	5	No
SANJEEV.V	III Year	21LME102/ B	2	1	No
S. Ranjith kumar	III Year	21lme097&B	5	4	Very nice
BHAVANTH M	III Year	211ME066	4	4	No
S.Deepanchakravarthi	III Year	21LME071	5	5	No
R.NIKHIL	III Year	21LME090 - B sec	5	5	Excellent
SUBASH CHANDRA S R	III Year	21LME111 & B	4	4	1.200
S.KURALARASAN	III Year	21LME082	4	5	THE .
SOUNDHAR S	III Year	21LME107 & "B"	1 4	<b>5</b> n	1.11
MURUGASEN.S	III Year	2LME088&B	5	5	and the second
M.saktheeswaran	III Year	21lme100/B	5	5	Super sir
sathiyarajsathi001@gmail.com	III Year	21LME105 & B	5	5	No





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### ACADEMIC YEAR 2022-23

### DEPARTMENT OF MECHANICAL ENGINEERING

"Workshop"

Date: 04.02.2023

Date of the Event	: 04.02.2023 (Saturday)
Time of the Event	: 10.00 am to 4.00 pm
Venue	: Hyundai Lab
List of Events	: 1.Workshop on Vehicle Aerodynamics.
Event Organizers	:1. Mr.T.Karthikeyan, AP /MECH /EEC
1999 - 1999 -	2. Mr.M.Sambathkumar AP / MECH / EEC

### Summary of the event:

The Workshop on "Vechicle Aerodynamics" on 04th February 2023 starts at 10.00 am with welcome address by Dr.N.Venkatachalam of Mechanical Engineering. in this, the event kick started by Mr.M.Sambathkumar, AP/Mech & Mr.T.Karthikeyan AP/Mech and they talks about basics about "Automobiles and Engine Management system in automotive applications".

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, Thermodynamics, Engineering mechanics, Manufacturing Technology, Fuels etc., also talks about development of passenger cars, trucks, buses, motorcycles, or off-road vehicles.

### Number of Participants:

Staffs: 2, Students: 30

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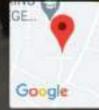


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Namakkal, Tamil Aeronautical Depar Lat 11.447028° Long 77.771796° 04/02/23 03:26 PM



Namakkal, Tamil Nadu, India Aeronautical Department, Tamil Nadu 63 Lat 11.447126° Long 77.771656° 04/02/23 03:25 PM

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# ENGINEERING COLLEGE (AUTONOMOUS)

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<u>Date</u> 04.02.2023 (Saturday)

<u>Time</u>

11.30 a.m.

DEPARTMENT OF

MECHANICAL ENGINEERING

Organizing Alumni Guest Lecture on

"CAREER PROSPECTS FOR MECHANICAL ENGINEERS"



Mr.Karthikeyan Chandrasekaran, Customer Support Analyst Ultrmain Software India PVT LTD Dr.M.VENKATESAN Mr.S.SABEER USHEN Program Co-ordinators

Dr.N.Venkatachalam Activity Coordinator Prof.Dr.N.Natarajan Head of the Department











# Karthikeyan Chandraseka an

Senior Analyst at Accenture

### Experience

2015 Batch

Accenture Test Engineering Senior Analyst August 2021 - Present (1 year 7 months)

~

Ultramain Systems, Inc. QC Lead May 2016 - August 2021 (5 years 4 months)

### Education

Excel Engineering College Bachelor of Engineering - BE, Mechanical Engineering - (2011 -

May be approved

Date: 01 / 02 /2023

Place: Komarapalayam

From

Disladning to Prof. Disladning to prof. Disladning tenes prof. Dill alumnin tenes prof. Dill alu Department of Mechanical Engineering, Excel Engineering College, Komarapalayam.

May be Considered

To

The Principal, Excel Engineering College, Komarapalayam.

Sir

Subject: Seeking permission for organizing event on 04.02.2023 (Saturday) - reg.

2/02/23

It is planned to organize an Alumini cum industry guest lecture on 04.02.2023. Mr. C. KARTHIKEYAN, an alumni of our college of 2015 batch has kindly accepted our invitation to deliver a lecture on 'CARRIER PROSPECTS FOR MECHANICAL ENGINEERS'. He is also a member of Board of Studies of our department.

So that, I kindly request you to do the needful for flawless conduction of the events.

The following are the requirement for the event.

1. The Memento and a shawl

2. A honorarium of Rs. 2000/- Only found ling

Thanking you

Yourstaithtelly, 1em

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P/	ALAYAM	-637303
DEPARTMENT OF MECH		- ENGINEERING
<b>"Career Prospects for N</b>	Aechani	cal Engineers"
	AGE	NDA
04.02.2023 <b>Venue: Smart Room, M</b> e	echanica	l Engineering, EEC Campus
r	:	BYEXCELLIANS
meAddress	:	Dr.N.VENKATACHALAM
		Activity Coordinator/ Excel Engineering College
ngtheChiefGuest		Dr.N.MATHANKARTHICK
	:	Vice Chairman, Excel Group Institutions
dentialAddress		Dr.K.BOMMANNARAJA
ationAddress	:	Principal, Excel Engineering College
		,Executive Director, Excel Technical Campus
		Dr.K.ANBUKARUPUSWAMY
ationAddress	:	Director Administration, Excel Technical Campus
Thanks	:	Mr.S.SIVAKUMAR
		Final Year,
		Department of Mechanical Engineering
		Engineening
Ν	ATIONAL	ANTHEM

	Department of Mechanical Engineering							
	Students Participation List							
S.No.	Year	Roll No	Students Name					
1	II YEAR	20ME09	ARUL JOTHI. P					
2	II YEAR	20ME015	GURUPRASATH KARUPPANAN					
3	II YEAR	20ME017	JEEVA RAGAVAN. M					
4	II YEAR	20ME018	KARTHIK. P					
5	II YEAR	20ME019	KARTHIK. M					
6	II YEAR	20ME021	KARUPPUSAMY					
7	II YEAR	20ME022	LALITH KUMAR T. A					
8	II YEAR	20ME025	MATHAN RAJ. S					
9	II YEAR	20ME030	MESHACH NIKHIL					
10	II YEAR	20ME031	MOORTHI. N					
11	II YEAR	20ME037	REVANTH. S. R					
12	II YEAR	20ME041	SAKTHIVEL. K					
13	II YEAR	20ME048	SRIKANTH. B					
14	II YEAR	20ME052	VASANTH. S					
15	II YEAR	20ME054	VIJAY. D					
16	II YEAR	20ME055	VINOTH KUMAR. M					
17	II YEAR	20ME08	ARAVINTH KUMAR. V					
18	II YEAR	20ME015	SOUNDHAR					
19	II YEAR	20ME017	GOKUL RISHI					
20	II YEAR	20ME018	PREAM					
21	II YEAR	20ME019	MANIKANDAN					
22	II YEAR	20ME021	MAHENDRAN					
23	II YEAR	20ME022	SABASH CHAND					
24	II YEAR	20ME025	PRADEEP					
25	II YEAR	20ME015	MANOJ					
26	II YEAR	20ME017	MURUGASAN					
27	II YEAR	20ME018	AARIFSULTHAN. J					
28	II YEAR	20ME019	AKASH KRISHNAN					
29	II YEAR	20ME021	BALA KRISHNA S. T					
30	II YEAR	20ME022	BEN JACOB FRANCIS					
31	II YEAR	20ME025	DHARNENDRA KUMAR					
32	II YEAR	20ME015	FAHEEM E. K					
33	II YEAR	20ME017	JIRIN MATHEW					
34	II YEAR	20ME018	FAZALU RAHMAN					
35	II YEAR	20ME019	JOSE ANTONY ADARSH					
36	II YEAR	20ME021	JOTHEESWARAN. A					
37	II YEAR	20ME022	MUHAMED ASHMAL. P					
38	II YEAR	20ME025	RAJESH. R					
39	II YEAR	20ME017	SABESH. T					
40	II YEAR	20ME018	SAFARIN. S					
41	II YEAR	20ME019	SUGUMAR. E					



### (Autonomous)

### DEPARTMENT OF MECHANICAL ENGINEERING

Alumni cum Industry Guest Lecture on "Career Prospects for Mechanical Engineers"

Date: 09.02.2023

Date of the Event :	04.02.2023 (Saturday)
Time of the Event :	11.30 am to 1.00 pm
Venue: .	Smart class room, A4 Building, Department of Mechanical Engineering
List of Events :	Alumni Guest Lecture
Event Organizers :	1. Dr. M. Venkatesan, AP / MECH /EEC

2. Mr. S. Sabeer Ushen, AP / MECH / EEC

Summary of the event:

The Industry Guest Lecture on 'Career Prospects for Mechanical Engineers' on 04th February 2023 starts at 11.30 am with welcome address by Dr.N.Natrajan, Prof and Head of Mechanical Engineering. The guest is also an alumni and member of BOS of Department of Mechanical Engineering.

The event kick started by Resource Person Mr. Karthikeyan Chandrasekaran, Customer support analyst of Ultramain Software India PVT Ltd talked about his memories and experiences in and about EEC. The current and future prospects for the mechanical engineers were discussed with the students. The importance of knowing fundamentals and application of that principles in latest software were explained. The job opportunities in core and software fields are known by students after discussion. After completion of degree, Higher studies and abroad studies with scholarship were encouraged.

A wide range of discussions including personal thoughts and doubts were discussed in the alumni cum industry lecture. From attending the event, the students got motivated and being ready to face the new job challenges.

Number of Participants:

Professionals: 05 Students: 50

# Lecture Meeting Report

Name of the event: Alumni cum Industry Guest Lecture

Speaker:

Mr. Karthikeyan Chandrasekaran Customer Support Analyst Ultramain Software India Pvt Ltd

Date: Timings: Venue: 04.02.2023, Saturday

11.30 am to 01.00 pm

Smart class, A4 Building, Excel Engineering College Autonomous, Komarapalayam, Namakkal – 637 303.

No of Participants:

Professional: 05 Students: 50

### Description [Max 100 words]

Dr. N.Natarajan Head of the Department/Mechanical Engineering, Excel Engineering College gave welcome address, the participants of the lecture meeting and introduced the speaker.

Mr. Karthikeyan Chandrasekaran, Customer support analyst of Ultramain Software India PVT Ltd has started his lecture and the important points covered are:

The event kick started by Resource Person talked about his memories and experiences in and about EEC. The industrial world is in a constant state of change. The current and future prospects for the mechanical engineers were discussed with the students. The importance of knowing fundamentals and application of that principles in latest software were explained. The job opportunities in core and software fields are known by students after discussion. After completion of degree, Higher studies and abroad studies with scholarship were encouraged.

A wide range of discussions including personal thoughts and doubts were discussed in the alumni cum industry lecture. From attending the event, the students got motivated and being ready to face the new job challenges.

Dr.N.Tamil selvan, Associate Professor of Department/ Mechanical Engineering, Excel Engineering College thanked the speaker and all the participants and the student secretary Mr. Jagan, presented the memento to Mr.C. Karthikeyan as the token of gratitude.



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### **Event Photos**



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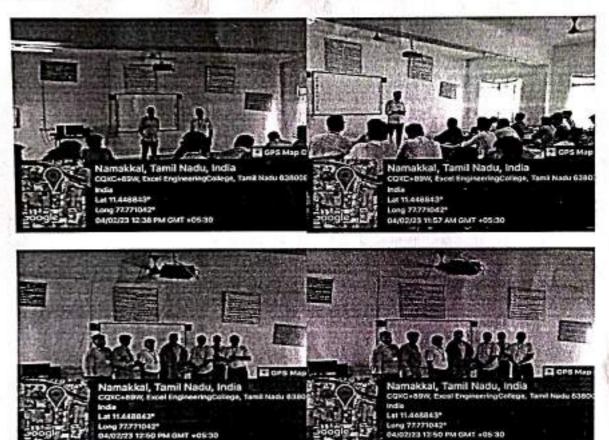
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### Keys take away:

- 1. Things gone right:
- 2. Things for improvement:
- 3. Proposed action plan

### Photos:



### Feedback:

1. Number of feedbacks received: 50

Long 77.771042\* 04/02/23 12:50 PM GMT +05:30

- 2. Key observations:
  - Latest topic
  - Simplified delivery
  - Easy understanding ٠
  - User friendly ٠

3. Can this topic be considered for other longer workshops/programs [Participants feedback]

Can be considered.

4. Can this Presenter be considered for other longer workshops/programs [Participants feedback]

Can be taken another workshop on the same topic.

🚺 GPS Map Camera



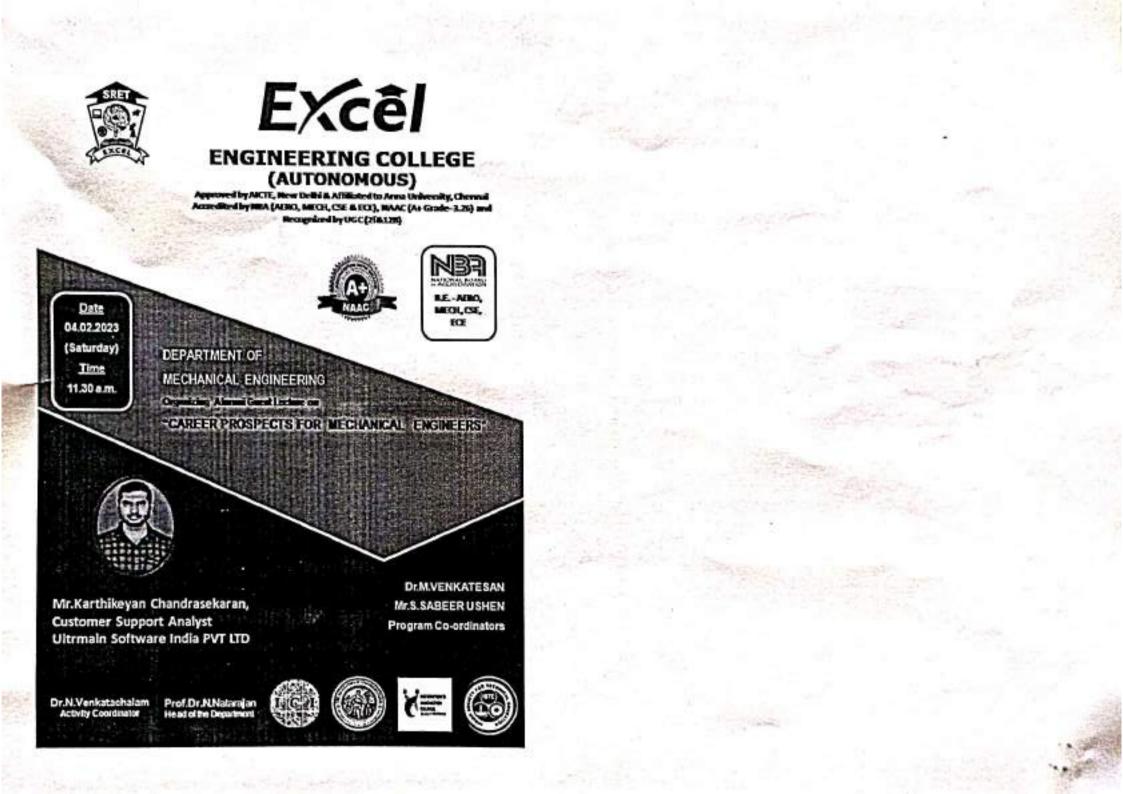
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Namakkal, Tamil Nadu, India CQXC+89W, Excel EngineeringCollege, Tamil Nadu 638008, India Lat 11.448843° Long 77.771042° 04/02/23 12:39 PM GMT +05:30



Feed Back of		t of Mechanical Eng Industry Guest Lect		-01-2023	
Name of the Student	Year of Studying	Roll.No & Sec	How do you feel about the seminar	How do you feel about the content delivered?	Any suggestions
Arul Kumar p	II Year	22LME068 .B	5	5	good information
Jagan L	II Year	22LME75/ B	3	3	No
M. Karthi	li Year	22lme78 &B	5	4	Very nice
M. Manoj Kumar	II Year	22LME081	4	4	No
Nivas K S	II Year	22LME087	5	5	No
Bhavathkumar P	II Year	22LME090 - B sec	5	5	Excellent
SUBASH V	II Year	22LME095 & B	4	4	good
S. Thrisha	II Year	22LME099	4	5	no
A. SURYA	ll Year	221.ME098 & "B"	4	5	good
T. GOKUL	ll Year	22LME072& B	5	5	average
Krishna Kumar G	II Year	22lme079 / B	5	5	Super sir
TV JASIR	II Year	22LME 104 & B	5	5	No

Excel Engineering College (Autonomous)

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### EXCEL ENGINEERING COLLEGE

(Autonomous)

(Approved by AICTE, New Delhi; Affiliated to Anna University, Chennai) Accredited by NBA (Aero, CSE, ECE & Mech) and NAAC with 'A' Grade) Komarapalayam 637 303



Semester	:	I			
Programme Driven by	:	IIC Calendar activity			
Quarter	:	I			
Programme / Activity Name	1	Alumni cum Industry Guest Lecture / Career Prospects for Mechanical Engineers			
Programme type	:	Guest Lecture			
Programme Theme	:	Interaction with industry people			
Duration of the activity (in Hour)	:	2 Hours 4			
Programme Start date and End Date	:	04.02.2023			
No of Student participants	:	50 Students			
No of External participants	:	NIL			
No of Faculty participants	:	10			
Expenditure Amount if any	:	NA			
Mode of Session Delivery	:	Offline			
Objective (100 Words)		<ul> <li><u>Describes and Discusses about Career propects for</u> <u>Mechanical Engineers and industrial optunities</u> <u>discipline.</u></li> <li>To gathering of people for the purpose of discussing a stated topic.</li> </ul>			
Benefits inters of learning/Skill/Knowledge obtained (150 Words)		<ul> <li>Industrial Guest Lecture programmes provides a chance to interact with experts from the specific field.</li> <li>Acquirement of Knowledge in a Particular Field.</li> <li>Discussing about the relevant topics of the particular subject, students tend to learn about the latest information and new skills related to the concerned subject.</li> </ul>			

rogramme details	<ul> <li>Organized a Team &amp; need a team to help</li> </ul>	Sec.
	<ul> <li>Look for Keynote Speakers. (Experts Institution)</li> <li>Manage Logistics:</li> <li>Create a Program.</li> <li>Plan Promotions.</li> <li>Things to Remember on the Day.</li> <li>Execute Post-Event Activities.</li> </ul>	
Outcome of the Programme	<ul> <li>A wide range of discussion including thoughts and doubts were discussed in cum industry guest lecture. From attending the students got motivated and being read new job challenges.</li> <li>Students are got more informative skills of Electrical Vehicle Information.</li> </ul>	this alumni ng the event, ly to face the
Description	<ul> <li>The Industry Guest Lecture on 'Career I Mechanical Engineers' on 04th February 2 11.30 am with welcome address by Dr Prof and Head of Mechanical Engineerin is also an alumni and member of BOS of of Mechanical Engineering.</li> <li>The event kick started by Resource Karthikeyan Chandrasekaran, Custom</li> </ul>	2023 starts at N.Natrajan, g. The guest Department Person Mr.
	analyst of Ultramain Software India PVT about his memories and experiences in EEC. The current and future prosper mechanical engineers were discussed students. The importance of knowing for and application of that principles in lat were explained. The job opportunities software fields are known by stu	a and about outs for the t with the undamentals est software in core and
	<ul> <li>software fields are known by studies discussion. After completion of degratudies and abroad studies with schol encouraged.</li> <li>Finally Feedbacks are get it from Partitiaking some valuable suggestions from side.</li> </ul>	ree, Higher arship were icipants and

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<u>Date</u> 07.02.2023 (Tuesday)

<u>Time</u>

3.00 p.m.





B.E. - AERO, MECH, CSE, ECE

LATEST SOFTWARE AWARENESS PROGRAM C- Cube Technologies,

New Bus Stand, Erode.

Venue:Smart Room, Mechanical Engineering, EEC Campus

Prof. Dr.N.Venkatachalam Mr. M.Nandhakumar Program Co-ordinators



# 💽 GPS Map Camera

Google

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# 🚺 GPS Map Camera

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Google



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EX	CELENGINEER	INGCOLLEGE
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AccreditedbyNBA(AERO,MECH,C	SE&ECE),NAAC(A+G	rade)andRecognizedbyUGC(2f&12B)KOMAR
	PALAYAM-6	37303
DEPARTMENT O	F MECHANICAL E	INGINEERING
"Latest software Aware	eness Program"	
	AGEN	A
Date: 07.02.2023 Venue: Smart R	oom, Mechanical E	ngineering, EEC Campus
Prayer	:	BYEXCELLIANS
WelcomeAddress	:	Dr.N.VENKATACHALAM
		Activity Coordinator/ Excel Engineering Colleg
Honoring the Chief Guest		Dr.N.MATHANKARTHICK
	:	Vice Chairman, Excel Group Institutions
& Presidential Address		Dr.K.BOMMANNARAJA
Felicitation Address	:	Principal, Excel Engineering College
		,Executive Director, Excel Technical Campus
		Dr.SENTHIL KUMAR
Felicitation Address		C-Cube Technologies, Near Bus stand, Erode
/oteofThanks	:	Mr.S.SIVAKUMAR Final Year,
		Department of Mechanical
		Engineering
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Excel Engineering College (AUTONOMOUS)								
	De	epartment of Me	echanical Engineering					
		Students Pa	rticipation List					
S.No.	Year	Roll No	Students Name					
1	II YEAR	20ME09	ARUL JOTHI. P					
2	II YEAR	20ME015	GURUPRASATH KARUPPANAN					
3	II YEAR	20ME017	JEEVA RAGAVAN. M					
4	II YEAR	20ME018	KARTHIK. P					
5	II YEAR	20ME019	KARTHIK. M					
6	II YEAR	20ME021	KARUPPUSAMY					
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8	II YEAR	20ME025	MATHAN RAJ. S					
9	II YEAR	20ME030	MESHACH NIKHIL					
10	II YEAR	20ME031	MOORTHI. N					
11	II YEAR	20ME037	REVANTH. S. R					
12	II YEAR	20ME041	SAKTHIVEL. K					
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14	II YEAR	20ME052	VASANTH. S					
15	II YEAR	20ME054	VIJAY. D					
16	II YEAR	20ME055	VINOTH KUMAR. M					
17	II YEAR	20ME08	ARAVINTH KUMAR. V					
18	II YEAR	20ME015	SOUNDHAR					
19	II YEAR	20ME017	GOKUL RISHI					
20	II YEAR	20ME018	PREAM					
21	II YEAR	20ME019	MANIKANDAN					
22	II YEAR	20ME021	MAHENDRAN					
23	II YEAR	20ME022	SABASH CHAND					
24	II YEAR	20ME025	PRADEEP					
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## ENGINEERING COLLEGE (AUTONOMOUS)

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<u>Date</u>

04.03.2023

(Saturday)

<u>Time</u>

10.30 a.m.

### DEPARTMENT OF

### **MECHANICAL ENGINEERING**

Organizing

FDP on "Stress Management"



Organizer:

Dr. N.Venkatachalam ASP/ Mechanical Excel Engineering College, Komarapalayam Dr.N.VENKATACHALAM Mr.V. UDAYAKUMAR Program Co-ordinators







### **Permission Letter**

Date:01.03.2023

Place: Komarapalayam

### From

Dr. N.Venkatachalam, Associate Professor

V. UdayaKumar Assistant Professor

Department of Mechanical Engineering

Excel Engineering College

Komarapalayam

### То

The Principal

Excel Engineering College

Komarapalayam

Sir,

Sub: Permission to conduct contest, FDP, workshop and Seminar- Reg .:-

On behalf of Saturday Activities, the department of Mechanical Engineering has planned to conduct the following programs for Second, Third & Final Year students along with faculty Members on 04.03.2023.

- 1. Conduct a FDP on " Stress Management"
- 2. Conduct a seminar on " How to prepare for Competitive /Higher Study Examinations"
- 3. Conduct a contest on " Mr. Machinist" (Machining of component using Lathe)
- 4. Conduct a contest on " Mr. Mechanic" (Dismantling and Assembly of Engine)

Hence we kindly request you to grant for the Events.

Thank You

Director Academic Activity Coordinator HoD/ Mech

Director Admin

Salar per



## Excel Engineering College, Autonomous

### Department of Mechanical Engineering

### Activities

Name of the Event	Faculty Development program on "Stress Management"
Event Date	04.03.2023
about the Event	<ul> <li>Faculty Development program is an individual competition where each participant is required to make a good idea about a given topic or area, and then present it in front of the juries.</li> <li>The presentation should include: a short intro, your hypotheses, a brief description of the methods, tables and/or graphs related to your findings, and an interpretation of your data. The presentations should be no more than 10 minutes long. That's not much time.</li> <li>Faculty Development program is mind sport wherein the players, either as individuals or in teams attempt to answer questions posed to them correctly, in order to win a prize.</li> <li>Put your knowledge about all things technology to the test with our 15 question quiz and have some nerdy fun in the process.</li> </ul>

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EXCE	EL ENGINE	ERING COLLEGE			
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Accredited by NBA (AERO, MECH,	CSE & ECE), N/	AAC (A+ Grade) and Recognized by UGC (2f &12B)			
ł	KOMARAPALA	AYAM - 637303			
DEPARTM		CHANICAL ENGINEERING			
Orga	inize a "Stress I	Management"			
	AGE	INDA			
Date: 04.03.2023		Venue: EXCEL ENGINEERING COLLEGE CAMPUS			
Prayer	:	BY EXCELLIANS			
Welcome Address	:	Dr.N.VENKATACHALAM			
		Activity Coordinator, Excel Engineering College			
Honoring the Chief Guest	:	Dr.N.MATHAN KARTHICK			
& Presidential Address		Vice Chairman, Excel Group Institutions			
Felicitation Address	:	Dr.K.BOMMANNA RAJA			
		Principal, Excel Engineering College,			
		Executive Director, Excel Technical Campus			
Felicitation Address	:	Dr.K.ANBUKARUPUSWAMY			
		Director Administration, Excel Technical Campus			
Vote of Thanks	:	Mr.S.SIVAKUMAR			
		Final Year, Department of Mechanical			
		Engineering			
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	De	partment of Me	echanical Engineering
			rticipation List
S.No.	Year	Roll No	Students Name
1	II YEAR	20ME09	ARUL JOTHI. P
2	II YEAR	20ME015	GURUPRASATH KARUPPANAN
3	II YEAR	20ME017	JEEVA RAGAVAN. M
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0 Viney Chaudhery	Avereness Rally on Patriciam	9910179897	Excellent	Good
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0 MO SHAHID	Awereness Raily on Patricilism			My operan Saturday Inis program can be
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O RISHAV RAJ	Avereness Rally on Patrictism			This programme is very useful for students
Of Winek, Kumer	Awareness Rally on Patricism			Very poor
O Vivek Kurner	Awareness Rally on Patrictism			No good
OMD FASHULLAH	Awareness Rally on Patriciam			Therks to all
O(Dipak kumar	Awareness Rally on Patricitsm			Geod
0 J Udaykrishna	Awareness Rally on Petriolism			Nope
0 Md Rehan Raza	Awareness Relly on Patricism			Good
0 Dipek kumor	Awareness Rally on Patrictism	7204328144	Good	Good
0 Ranchir Kumar	Awareness Raily on Patriotem	7 3082E+11	Good	No all is good performence there you
0 Rendhir Kumer	Awareness Rally on Patriotism	7.3092E+11	Poor	On suggestions
0 Dinesh M	Awareness Rally on Patrictism	20ME013	Excellent	Excellent
0 aniireul6@camil.com	Awareness Rally on Patrictism	7 3092E+11	Excellent	No
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CiDikhush Kumar	Awareness Rely on Patriotism	6676819122	Good	Good
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		7.30919E+11	Excellent	not only certificates, prize money, may be some gifts should be given to
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## An Overview of Stress Management

Stress management is the range of techniques, strategies, and therapies designed to help people control their stress. This can include lowering acute stress, but it is often aimed at lowering chronic stress to improve health, happiness, and overall well-being. Stress management strategies may include:

- Deep breathing
- Eating a healthy diet
- Getting enough sleep
- Guided visualization
- Hobbies and leisure activities
- Meditation
- Mindfulness
- Positive thinking
- Progressive muscle relaxation
- Psychotherapy
- Social support
- Yoga

We all experience stress in our lives. Because many health problems are caused or influenced by stress, it's essential to understand how stress affects your body and learn effective stress management techniques to make stress work

## What Is Stress?

Stress is your body's response to changes in your life. Because life involves constant changeranging from everyday, routine changes like commuting from home to work to adapting to major life changes like marriage, divorce, or death of a loved one-there is no avoiding stress.<sup>4</sup>

Your goal shouldn't be to eliminate all stress but to eliminate unnecessary stress and effectively manage the rest. There are some common causes of stress that many people experience, but each person is different.

### Causes

Stress can come from many sources, which are known as "stressors." Because our experience of what is considered "stressful" is created by our unique perceptions of what we encounter in life (based on our own mix of personality traits, available resources, and habitual thought patterns), a situation may be perceived as "stressful" by one person and merely "challenging" by someone else. **Stress Management** 

Presented by Dr. N.Venkatachalam Associate Professor/ Mechanical Engineering Excel Engineering College

Date: 04.03.2023

Simply put, one person's stress trigger may not register as stressful to someone else. That said, certain situations tend to cause more stress in most people and can increase the risk of burnout.

For example, when we find ourselves in situations where there are high demands on us but we little control and few choices, we are likely to experience stress. We might also feel stress when we don't feel equipped; where we may be harshly judged by others; and where consequences for failure are steep or unpredictable.

Many people are stressed by their jobs, relationships, financial issues, and health problems, as well as more mundane things like clutter or busy schedules. Learning skills to cope with these stressors can help reduce your experience of stress.

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### ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai Accredited by NBA (AERO, MECH, CSE & ECE), NAAC (A+ Grade- 3.26) and Recognized by UGC (2f&12B)





<u>Date</u>

04.03.2023

(Saturday)

<u>Time</u>

09.30 a.m.

### DEPARTMENT OF

### **MECHANICAL ENGINEERING**

Organizing

Seminar on "How to prepare for Competitive/Higher studies examination"

Dr.N.VENKATACHALAM Mr.V. UDAYAKUMAR Program Co-ordinators







Prof.Dr.N.Venkatachalam Prof.Dr.N.Natarajan Activity Coordinator Head of the Department

### **Permission Letter**

Date:01.03.2023

Place: Komarapalayam

From

Dr. N.Venkatachalam, Associate Professor

V. UdayaKumar Assistant Professor

Department of Mechanical Engineering

Excel Engineering College

Komarapalayam

То

The Principal

Excel Engineering College

Komarapalayam

Sir,

Sub: Permission to conduct contest, FDP, workshop and Seminar-Reg .:-

On behalf of Saturday Activities, the department of Mechanical Engineering has planned to conduct the following programs for Second, Third & Final Year students along with faculty Members on 04.03.2023.

- 1. Conduct a FDP on " Stress Management"
- 2. Conduct a seminar on " How to prepare for Competitive /Higher Study Examinations"
- 3. Conduct a contest on "Mr. Machinist" (Machining of component using Lathe)
- 4. Conduct a contest on " Mr. Mechanic" (Dismantling and Assembly of Engine)

Hence we kindly request you to grant for the Events.

Thank You

Director Academic Activity Coordinator HoD/ Mech

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EXC	ELENGINE	ERINGCOLLEGE			
(Autonomous)					
ApprovedbyAICTE,NewDelhi&Affiliatedto Anna University,Chennai					
AccreditedbyNBA(AERO,MECH,CSE&ECE),NAAC(A+Grade)andRecognizedbyUGC(2f&12B)KOMARA					
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DEPARTMENT OF	MECHANICA	L ENGINEERING			
"How to prepa	are for Compe	titive /Higher			
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Date: 04.03.2023 Venue: Smart Roo	om, Mechanica	I Engineering, EEC Campus			
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		Activity Coordinator/ Excel Engineering College			
Honoring the Chief Guest		Dr.N.MATHANKARTHICK			
	:	Vice Chairman, Excel Group Institutions			
& Presidential Address		Dr.K.BOMMANNARAJA			
Felicitation Address	:	Principal, Excel Engineering College			
		,Executive Director, Excel Technical Campus			
		Dr.K.ANBUKARUPUSWAMY			
Felicitation Address	:	Director Administration, Excel Technical Campu			
/ote of Thanks	:	Mr.S.SIVAKUMAR			
		Final Year, Department of Mechanical			
		Engineering			
	NATIONAL				

	Excel Engineering College (AUTONOMOUS)						
	De	epartment of Me	echanical Engineering				
Students Participation List							
S.No.	Year	Roll No	Students Name				
1	II YEAR	20ME09	ARUL JOTHI. P				
2	II YEAR	20ME015	GURUPRASATH KARUPPANAN				
3	II YEAR	20ME017	JEEVA RAGAVAN. M				
4	II YEAR	20ME018	KARTHIK. P				
5	II YEAR	20ME019	KARTHIK. M				
6	II YEAR	20ME021	KARUPPUSAMY				
7	II YEAR	20ME022	LALITH KUMAR T. A				
8	II YEAR	20ME025	MATHAN RAJ. S				
9	II YEAR	20ME030	MESHACH NIKHIL				
10	II YEAR	20ME031	MOORTHI. N				
11	II YEAR	20ME037	REVANTH. S. R				
12	II YEAR	20ME041	SAKTHIVEL. K				
13	II YEAR	20ME048	SRIKANTH. B				
14	II YEAR	20ME052	VASANTH. S				
15	II YEAR	20ME054	VIJAY. D				
16	II YEAR	20ME055	VINOTH KUMAR. M				
17	II YEAR	20ME08	ARAVINTH KUMAR. V				
18	II YEAR	20ME015	SOUNDHAR				
19	II YEAR	20ME017	GOKUL RISHI				
20	II YEAR	20ME018	PREAM				
21	II YEAR	20ME019	MANIKANDAN				
22	II YEAR	20ME021	MAHENDRAN				
23	II YEAR	20ME022	SABASH CHAND				
24	II YEAR	20ME025	PRADEEP				
25	II YEAR	20ME015	MANOJ				
26	II YEAR	20ME017	MURUGASAN				
27	II YEAR	20ME018	AARIFSULTHAN. J				
28	II YEAR	20ME019	AKASH KRISHNAN				
29	II YEAR	20ME021	BALA KRISHNA S. T				
30	II YEAR	20ME022	BEN JACOB FRANCIS				
31	II YEAR	20ME025	DHARNENDRA KUMAR				
32	II YEAR	20ME015	FAHEEM E. K				
33	II YEAR	20ME017	JIRIN MATHEW				
34	II YEAR	20ME018	FAZALU RAHMAN				
35	II YEAR	20ME019	JOSE ANTONY ADARSH				
36	II YEAR	20ME021	JOTHEESWARAN. A				
37	II YEAR	20ME022	MUHAMED ASHMAL. P				
38	II YEAR	20ME025	RAJESH. R				
39	II YEAR	20ME017	SABESH. T				
40	II YEAR	20ME018	SAFARIN. S				
41	II YEAR	20ME019	SUGUMAR. E				

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## **Excel Engineering College, Autonomous**

### Department of Mechanical Engineering

Activities

Name of the Event	Seminar on "How to prepare for Competitive Higher Study Examinations"				
Event Date	04.03.2023				
about the Event	Seminar is an individual competition where each participant is required to make a good idea about a given topic or area, and there present it in front of the juries. The seminar presentation should include: a short intro, your hypotheses, a brief description of the methods, tables and/or graphs related to your findings, and an interpretation of your data. The presentations should be no more than 10 minutes long. That's not much time. Seminar is mind sport wherein the players, either as individuals or in teams attempt to answer questions posed to them correctly, in order to win a prize.				
	Put your knowledge about all things technology to the test with our 15 question quiz and have some nerdy fun in the process.				

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Namakkal, Tamil Nadu, India Civil Department, Tamil Nadu 63800 Lat 11.446865° Long 77.771166° 04/03/23 11:12 AM GMT +0

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	D	epartment of M	echanical Engineering			
	Students Participation List					
S.No.	Year	Roll No	Students Name			
1	II YEAR	20ME09	ARUL JOTHI. P			
2	II YEAR	20ME015	GURUPRASATH KARUPPANAN			
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4	II YEAR	20ME018	KARTHIK. P			
5	II YEAR	20ME019	KARTHIK. M			
6	II YEAR	20ME021	KARUPPUSAMY			
7	II YEAR	20ME022	LALITH KUMAR T. A			
8	II YEAR	20ME025	MATHAN RAJ. S			
9	II YEAR	20ME030	MESHACH NIKHIL			
10	II YEAR	20ME031	MOORTHI. N			
11	II YEAR	20ME037	REVANTH. S. R			
12	II YEAR	20ME041	SAKTHIVEL. K			
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Prof.Dr.N.Venkatachalam Activity Coordinator Prof.Dr.N.Natarajan Head of the Department





Mr.R.PREMRAJ

Mr.P.NITHIYANAND

Program Co-ordinators



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EXCI	EL ENGINEE	RING COLLEGE
	(Autono	omous)
Approved by AICTE	, New Delhi & Af	filiated to Anna University, Chennai
Accredited by NBA (AERO, MECH,	CSE & ECE), NA	AC (A+ Grade) and Recognized by UGC (2f &12B)
	KOMARAPALA	YAM - 637303
DEPARTI	MENT OF MEC	HANICAL ENGINEERING
	Organize	a Contest on
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	AGE	NDA
Date: 04.03.2023		Venue: EXCEL ENGINEERING COLLEGE CAMPUS
Prayer	:	BY EXCELLIANS
Welcome Address	:	Dr.N.VENKATACHALAM
		Activity Coordinator, Excel Engineering College
Honoring the Chief Guest	:	Dr.N.MATHAN KARTHICK
& Presidential Address		Vice Chairman, Excel Group Institutions
Felicitation Address	:	Dr.K.BOMMANNA RAJA
		Principal, Excel Engineering College,
		Executive Director, Excel Technical Campus
Felicitation Address	:	Dr.K.ANBUKARUPUSWAMY
		Director Administration, Excel Technical Campus
Vote of Thanks	:	Mr.S.SIVAKUMAR Final Year, Department of Mechanical
		Engineering
	NATIONAL	ANTHEM

### **Permission Letter**

Date:01.03.2023

Place: Komarapalayam

### From

Dr. N.Venkatachalam, Associate Professor

V. UdayaKumar Assistant Professor

Department of Mechanical Engineering

Excel Engineering College

Komarapalayam

### To

The Principal

Excel Engineering College

Komarapalayam

Sir,

Sub: Permission to conduct contest, FDP, workshop and Seminar- Reg .:-

On behalf of Saturday Activities, the department of Mechanical Engineering has planned to conduct the following programs for Second, Third & Final Year students along with faculty Members on 04.03.2023.

- 1. Conduct a FDP on "Stress Management"
- 2. Conduct a seminar on " How to prepare for Competitive /Higher Study Examinations"
- 3. Conduct a contest on " Mr. Machinist" (Machining of component using Lathe)
- 4. Conduct a contest on " Mr. Mechanic"(Dismantling and Assembly of Engine)

Hence we kindly request you to grant for the Events.

Thank You

Activity Coordinator Director Academic HoD/ Mech

Director Admin

FILL DAY



## **Excel Engineering College, Autonomous**

## Department of Mechanical Engineering

Activities

Name of the Event	Contest on "Mr. Machinist" (Machining of component using Lathe)
Event Date	04.03.2023
about the Event	Contest is an individual competition where each participant is required to make a good idea about a given topic or area, and then present it in front of the juries. The Contest presentation should include: a short intro, your
	hypotheses, a brief description of the methods, tables and/or graphs related to your findings, and an interpretation of your data. The presentations should be no more than 10 minutes long. That's not much time.
	Contest is mind sport wherein the players, either as individuals or in teams attempt to answer questions posed to them correctly, in order to win a prize.
	Put your knowledge about all things technology to the test with our 15 question quiz and have some nerdy fun in the process.

🚺 GPS Map Camera

Namakkal, Tamil Nadu, India CQXC+89W, Excel Rd, Tamil Nadu 638008, India Lat 11.447877° Long 77.77107° 04/03/23 09:57 AM GMT +05:30

Google

💽 GPS Map Camera



Namakkal, Tamil Nadu, India Aeronautical Department, Tamil Nadu 638008, India Lat 11.447134° Long 77.771778° 04/03/23 10:10 AM GMT +05:30

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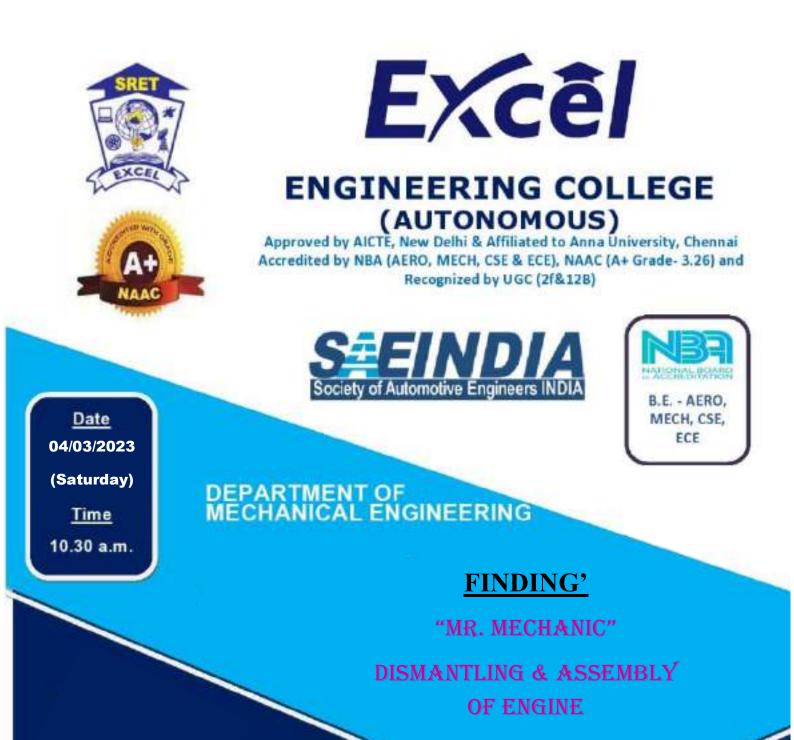
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Prof.Dr.N.Venkatachalam Activity Coordinator Prof.Dr.N.Natarajan Head of the Department





Mr.R.PREMRAJ

Mr.P.NITHIYANAND

Program Co-ordinators



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EXCE	EL ENGINEE	RING COLLEGE
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Approved by AICTE	, New Delhi & Af	iliated to Anna University, Chennai
Accredited by NBA (AERO, MECH,	CSE & ECE), NA	AC (A+ Grade) and Recognized by UGC (2f &12B)
H	KOMARAPALA	YAM - 637303
DEPARTM	MENT OF MEC	HANICAL ENGINEERING
	Organize	a Contest on
"Mr. Mechanic"(Dis	mantling and	Assembly of Engine)"
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	AGE	NDA
Date: 04.03.2023		Venue: EXCEL ENGINEERING COLLEGE CAMPUS
Prayer	:	BY EXCELLIANS
Welcome Address	:	Dr.N.VENKATACHALAM
		Activity Coordinator, Excel Engineering College
Honoring the Chief Guest	:	Dr.N.MATHAN KARTHICK
& Presidential Address		Vice Chairman, Excel Group Institutions
Felicitation Address	:	Dr.K.BOMMANNA RAJA
		Principal, Excel Engineering College,
		Executive Director, Excel Technical Campus
Felicitation Address	:	Dr.K.ANBUKARUPUSWAMY
		Director Administration, Excel Technical Campus
Vote of Thanks	:	Mr.S.SIVAKUMAR Final Year, Department of Mechanical
		Engineering
	NATIONAL	ANTHEM

### Permission Letter

Date:01.03.2023

Place: Komarapalayam

### From

Dr. N.Venkatachalam, Associate Professor

V. UdayaKumar Assistant Professor

Department of Mechanical Engineering

Excel Engineering College

Komarapalayam

To

The Principal

Excel Engineering College

Komarapalayam

Sir,

Sub: Permission to conduct contest, FDP, workshop and Seminar- Reg .:-

On behalf of Saturday Activities, the department of Mechanical Engineering has planned to conduct the following programs for Second, Third & Final Year students along with faculty Members on 04.03.2023.

- 1. Conduct a FDP on "Stress Management"
- 2. Conduct a seminar on " How to prepare for Competitive /Higher Study Examinations"
- 3. Conduct a contest on " Mr. Machinist" (Machining of component using Lathe)
- 4. Conduct a contest on " Mr. Mechanic" (Dismantling and Assembly of Engine)

Hence we kindly request you to grant for the Events.

Thank You

Director Academic Activity Coordinator

Director Admin

TTTTT 21



## **Excel Engineering College, Autonomous**

## Department of Mechanical Engineering

Activities

Name of the Event	Contest on "Mr. Mechanic" (Dismantling and Assembly of Engine)"
Event Date	04.03.2023
about the Event	Contest is an individual competition where each participant is required to make a good idea about a given topic or area, and then present it in front of the juries. The Contest presentation should include: a short intro, your hypotheses, a brief description of the methods, tables and/or graphs related to your findings, and an interpretation of your data. The presentations should be no more than 10 minutes long. That's not
	much time. Contest is mind sport wherein the players, either as individuals or in teams attempt to answer questions posed to them correctly, in order to win a prize. Put your knowledge about all things technology to the test with our
2	15 question quiz and have some nerdy fun in the process.

💽 GPS Map Camera

Namakkal, Tamil Nadu, India Aeronautical Department, Tamil Nadu 638008, India Lat 11.447012° Long 77.771787° 04/03/23 10:13 AM GMT +05:30

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Namakkal, Tamil Nadu, India Aeronautical Department, Tamil Nadu 638008, India Lat 11.447091° Long 77.771814° 04/03/23 10:13 AM GMT +05:30

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	De	partment of Me	echanical Engineering
			rticipation List
S.No.	Year	Roll No	Students Name
1	II YEAR	20ME09	ARUL JOTHI. P
2	II YEAR	20ME015	GURUPRASATH KARUPPANAN
3	II YEAR	20ME017	JEEVA RAGAVAN. M
4	II YEAR	20ME018	KARTHIK. P
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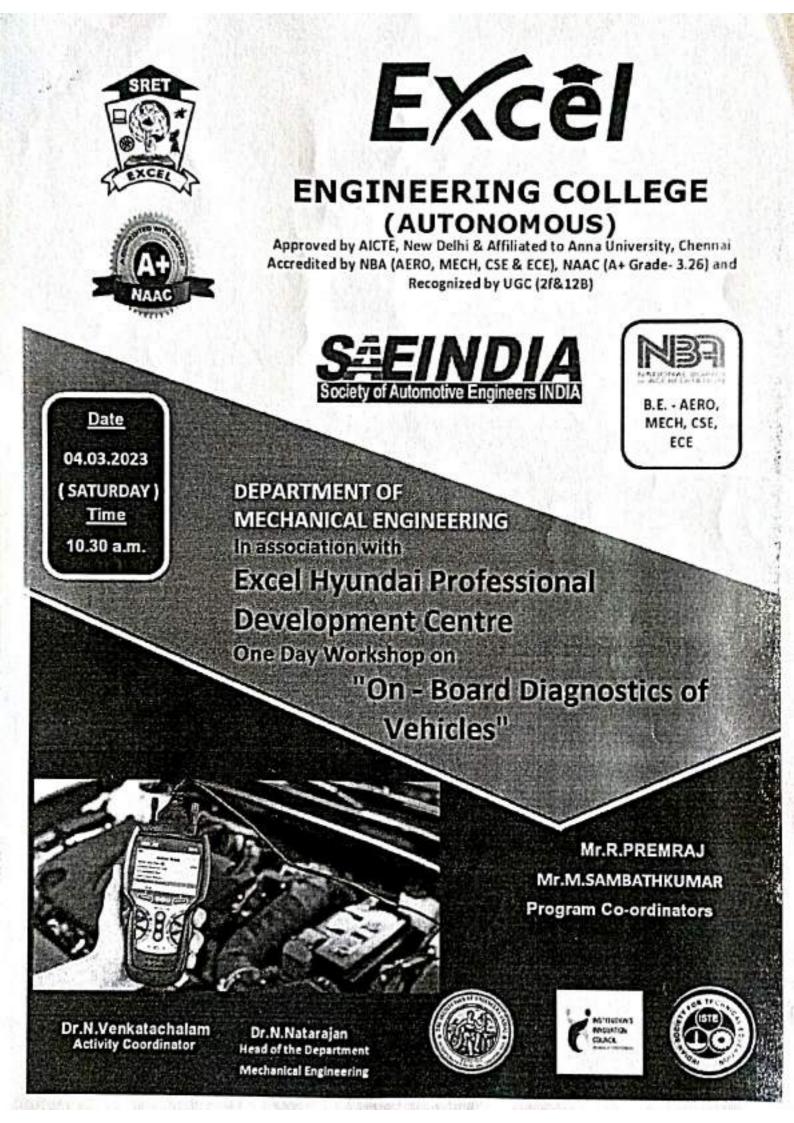
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### Permission Letter

Date: 01 / 03 /2023 Place: Komarapalayam

From

R.Premraj

M.Sambathkumar

Assistant Professor

Department of Mechanical Engineering

Excel Engineering College (Autonomous)

Komarapalayam.

To

### The Principal

Excel Engineering College (Autonomous)

Komarapalayam.

Sir

Subject: Seeking permission to organize events on "On - Board Diagnostics of Vechicles"-

reg

Sir, I would like to organize"On - Board Diagnostics of Vechicles" in Mechanical Engineering students on Saturday (04<sup>th</sup>March 2023), so that I kindly request you to do the needful for flawless conduction of the events.

Thank you

Yours truly R-Preuray 4. Samberth lesman.

Head / Mechanical

may be permitted. N.Notary Hadamics Director

Chanding Coll.

Director/Admin



## EXCEL ENGINEERING COLLEGE

(Autonomous)

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Accredited by NBA (AERO, MECH, CSE & ECE), NAAC (A+ Grade) and Recognized by UGC (2f &12B) KOMARAPALAYAM - 637303 Department of Mechanical Engineering





"ON - BOARD DIAGNOSTICS OF VECHICLES"

## Dr.N.MATHAN KARTHICK

Vice-Chairman, Excel Group Institutions Will preside over the function

## Dr.K.BOMMANNA RAJA

Principal, Excel Engineering College, Executive Director, Excel TechnicalCampus Has kindly consented to felicitate thefunction

## Dr.S.ANBUKARUPPUSAMY

Director Administration, Excel TechnicalCampus Haskindly consented to offer felicitate thefunction

### Dr.C.KARTHIKEYANI

Director Academics, Excel TechnicalCampus Has kindly consented to offerkeynote thefunction

Dr.N.NATARAJAN Professor & Head, Department of Mechanical Engineering Will welcome the gathering

In the presence of Staff Members and students of Excel Engineering College











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## DEPARTMENT OF MECHANICAL ENGINEERING

### AGENDA

Prayer BY EXCELLIANS : Welcome Address Dr.N.NATARAJAN HoD/Mechanical, Excel Engineering College Presidential Address Dr.N.MATHAN KARTHICK Vice Chairman, Excel Group Institutions **FelicitationAddress** Dr.K.BOMMANNA RAJA Principal, Excel Engineering College, Executive Director, Excel Technical Campus **Felicitation Address** Dr.S.ANBUKARUPPUSAMY 2 Director Administration, Excel Technical Campus Dr.C.KARTHIKEYANI Key note Address : Director Academics, Excel Technical Campus Mr.R.PREMRAJ Vote of Thanks Assistant Professor, Department of Mechanical Engineering

NATIONAL ANTHEM









## ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai Accredited by NBA (AERO, MECH, CSE & ECE), NAAC (A+ Grade- 3.26) and Recognized by UGC (2f&12B)

DEPARTMENT OF MECHANICAL ENGINEERING

Organizing

Hyundai Professional Development Centre

One Day Workshop on

"ON – Board Diagnostics of Vechicles"

Date: 04.03.2023 (Saturday) Time: 10.30 a.m.



(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)

**Celebration and Addressing of the Event** 

KOMARAPALAYAM - 637303





## EXCEL ENGINEERING COLLEGE

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### ACADEMIC YEAR 2022-23

DEPARTMENT OF MECHANICAL ENGINEERING

In Association with Hyundai Development Centre

Organizes

## Workshop on "On-Board Diagnostics of Vehicles"

Date: 04.03.2023

Date of the Event	: 04.03.2023 (Saturday)			
Time of the Event	: 10.00 am to 4.00 pm			
Venue	: Hyundai Lab			
List of Events	: 1.Workshop on "On board Diagnostics of Vehicles".			
Event Organizers	:1. Mr.R.Premraj, AP /MECH /EEC			
	2. Mr.M.Sambathkumar AP / MECH / EEC			

Summary of the event:

Hyundai Professional Development Centre-Excel Technical Campus organizes a Workshop on "Vechicle Aerodynamics" on 04th March 2023 starts at 10.00 am with welcome address by Dr.N.Venkatachalam of Mechanical Engineering. in this, the event kick started by Mr.M.Sambathkumar,AP/Mech & Mr.R.Premraj AP/Mech and they talks about basics about "Automobile Diagnostics system using OBD Kit".

Mr.R.Premraj & Mr.M.Sambathkumar briefing about Perform and analyze results from compression, oil pressure, vacuum, cylinder leakage, fuel pressure and cooling system checking with aid of OBD Kit.

They Taught how to Inspect engine assembly and repair wear, noise, leaks from oil, coolant and fuel and determine necessary action for repair also talks about engine disassembly and reassembly methods to participants.

Number of Participants:

Staffs: 3, Students: 40









## EXCEL ENGINEERING COLLEGE

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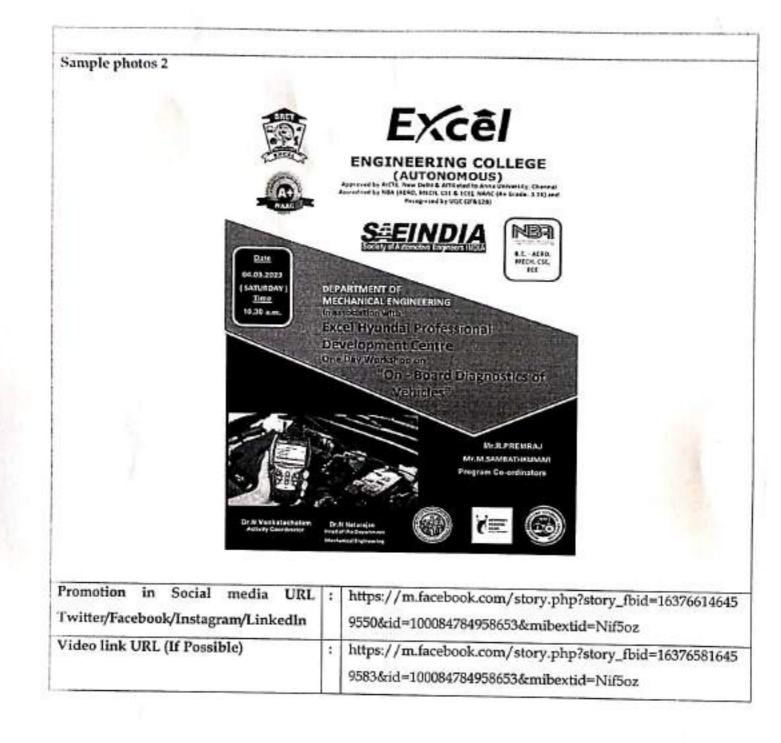


Date: 04.03.2023

## IIC Activities for the Academic Year 2022- 2023

Semester	:	1	
Programme Driven by	:	IIC Calendar activity	
Quarter	:	I	
Programme / Activity Name	:	Workshop	
Programme type	:	Level-II- Workshop / Vehicle Aerodynamics	
Programme Theme	:	Failure Diagnostics of Automotive System	
Duration of the activity (in Hour)	:	6 Hours	
Programme Start date and End Date	:	04.03.2023	
No of Student participants	:	75 Students	
No of External participants	1	NIL.	
No of Faculty participants	:	10	
Expenditure Amount if any	:	NA	
Mode of Session Delivery	:	Offline	
Objective (100 Words)		<ul> <li>Describes and discusses the automobile failure diagnostics.</li> <li>To gathering of people for the purpose of discussing a stated topic.</li> </ul>	
Benefits inters of learning/Skill/Knowledge obtained (150 Words)	:	<ul> <li>Workshop/Training programmes provides a chance to interact with experts from the specific field.</li> <li>Acquirement of Knowledge in a Particular Field.</li> <li>Discussing about the relevant topics of the particular subject, students tend to learn about the latest information and new skills related to the concerned subject.</li> </ul>	
Programme details	:		

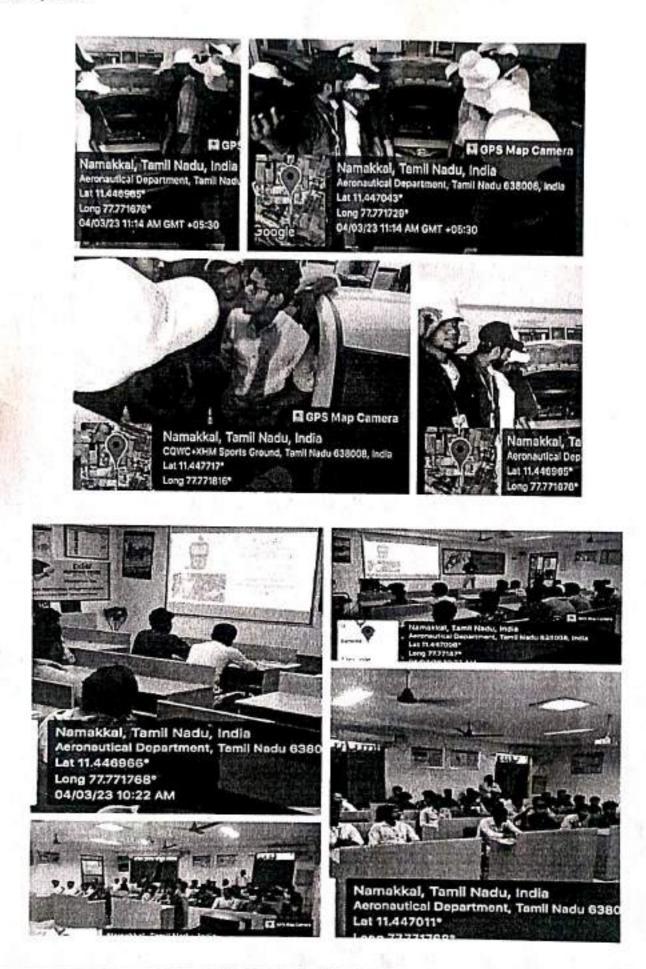
Outcome of the Programmme	<ul> <li>Manage Logistics.</li> <li>Create a Program.</li> <li>Plan Promotions.</li> <li>Things to Remember on the Day.</li> <li>Execute Post-Event Activities.</li> <li>The students were asked to collect the relevant necessary</li> </ul>
outonie of the Programmine	<ul> <li>The students were asked to conect the relevant necessary information and prepare the technical paper and present the same as the course seminar based on the areas such as Automobile sectors.</li> <li>Students are got more informative skills in the areas of vehicle diagnostics.</li> </ul>
Description	<ul> <li>Workshop on "On Board diagnostics of Vehicles" on 04<sup>th</sup> March 2023 starts at 10.00 am with welcome address by Dr.N.Tamilselvan of Mechanical Engineering, in this, the event kick started by Mr.M.Sambathkumar,AP/Mech &amp; Mr.R.Premraj AP/Mech and they talks about basics about "Automobiles and Failure diagnostics system in automotive applications".</li> <li>Student co ordinator Mr.S.Srihariharan-III Year Mechanical Engineering briefing about Perform and analyze results from compression, oil pressure, vacuum cylinder leakage, fuel pressure and cooling system checks. With aid of OBD Kit •</li> <li>He Taught how to Inspect engine assembly and repair wear, noise, leaks from oil, coolant and fuel and determine necessary action for repair also talks about engine disassembly and reassembly methods to participants.</li> </ul>



**IIC Coordinator** 

**IIC Chief Coordinator** 

### Sample photos 1





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DEPARTMENT OF MECHANICAL ENGINEERING &

Hyundai Professional Development Centre Organizes

Workshop on

"On Board Diagnostics of Vehicles"

Participants List

S. No	Roll Number	Reg. Number	Student Name
1	21LME062	730920114301	AJAY.R
2	21LME063	730920114302	ANDRO JULIES
3	21LME064	730920114303	BARATH.S.E
4	21LME065	730920114304	BARATH.V.S
5	21LME066	730920114305	BHAVANTH M
6	21LME067	730920114306	BIBIN.C.VARGHESE
7	21LME068	730920114307	BOOMILAN.M
8	21LME069	730920114308	DEEPAK.R
9	21LME070	730920114309	DEEPAN.K
10	21LME071	730920114310	DEEPANCHAKRAVARTHI.S
11	21LME072	730920114311	DHAMODHARAN.D
12	21LME073	730920114312	DHINESH.V
13	21LME074	730920114313	GOKULRISHLY
14	21LME075	730920114314	GOPI.M
15	21LME076	730920114315	GUNA.R
16	21LME077	730920114316	JAGADEESHKUMAR.B
17	21LME078	730920114317	JEEVARAGAVAN.K
18	21LME079	730920114318	JIBIN JOHN
19	21LME081	730920114319	KOWSALYA.P
20	21LME082	730920114320	KURALARASAN.S
21	21LME083	730920114321	MAHENDRAN.P
22	21LME084	730920114322	MAIVIZHISELVAN.R
23	21LME085	730920114323	MANIKANDAN.D
24	21LME086	730920114324	MANOJKUMAR.R
25	21LME087	730920114325	MUKESH BOOPATHI M
26	21LME088	730920114326	MURUGASEN.S
27	21LME089	730920114327	NANJIL MUKILAN.C.D
28	21LME090	730920114328	NIKHIL.R
29	21LME091	730920114329	PONRAJ.G
30	21LME093	730920114330	PRADEEP.G

32	21LME095	730920114332	RAJKUMAR.B
33	21LME096	730920114333	RANDEEP.S
34	21LME097	730920114334	RANJITHKUMAR.S
35	21LME099	730920114335	RISHIKUMAR.P
36	21LME100	730920114336	SAKTHEESWARAN.M
37	21LME101	730920114337	SALAIKAVIN.T
38	21LME102	730920114338	SANJEEV.V
39	21LME103	730920114339	SANTHOSH.P
40	21LME104	730920114340	SATHISH KUMAR.S
41	21LME105	730920114341	SATHIYARAJ.A
42	21LME106	730920114342	SELVARAJU.S
43	21LME107	730920114343	SOUNDHAR.S
44	21LME108	730920114344	SOWNTHARYA.P
45	21LME109	730920114345	SREEKANTH.R
46	21LME110	730920114346	SRIHARIHARAN.S
47	21LME111	730920114347	SUBASH CHANDRA.S.R
48	21LME113	730920114348	SUBASH.R
49	21LME114	730920114349	SUDHARSAN.P
50	21LME115	730920114350	SURESH.S
51	21LME116	,730920114351	THANUSH.S
52	21LME117	730920114352	UDHAYAKUMAR.V
53	21LME118	730920114353	VIGNESH.E
54	21LME119	730920114354	VIGNESHWARAN.V
55	21LME121	730920114355	SARATH KRISHNA.K
56	20ME001	730920114001	ABHISHEK KUMAR
57	20ME002	730920114002	ABHISHEK KUMAR
58	20ME003	730920114003	ADITYA JAISWAL
59	20ME005	730920114005	AMIT KUMAR
60	20ME006	730920114006	ANIKET KUMAR SINGH
61	20ME007	730920114007	ANIL KUMAR RAM
62	20ME008	730920114008	ARAVINTH KUMAR.V
63	20ME018	730920114018	KARTHIK.M
64	20ME024	730920114024	MANJEET KUMAR
65	20ME025	730920114025	MATHAN RAJ.S
66	20ME026	730920114026	MD GAYASUDDIN
67	20ME027	730920114027	MD HEDAYATULLAH
68	20ME028	730920114028	MD IRSHAD

	57	<b>FIFICA'</b> PARTICIPATION		AAC Inste (1.25)
SRET SRET SRET SRET	Hyundai Profess	ngineering Col sional Develop apalayam - 63	oment Centre	
Has Atten by Dep	ded Workshop on "C artment of Mechanica Professional Deve	On-Board Diagnos al Engineering in a elopment Centre	ssociation with Hyu	ganized Indai
2 Cod	ordinator	C COLLEGE	Head - Mechanical	

# Excel Engineering College (Autonomous) Department of Mechanical Engineering -Hyundai Professional Development Centre

Feed Back on Workshop (On Board diagnostics of Vehicles) 04-03-2023

Name of the Student	Year of Studying	Roll.No & Sec	How do you feel about the seminar	How do you feel about the content delivered?	Any suggestions
Ajay.R	III Year	21 MC0888.0	4	4	Super str
DEEPANCHAKRAVARTHLS	III Year	2 Hme 100/B	4	5	No
MURUGASEN.S	III Year	211 ME 105 & B	4	5	No
PONRAJ.G	III Year	211 ME085 .B	S	5	No
PREMKUMAR.V	tii Year	211.ME 1027 IV	5	5	Very nice
RISHIKUMAR.P	III Year	211ML071	5	5	No
SUBASH CHANDRA S R	III Year	21LME111 & B	4	4	No
S.KURALARASAN	III Year	211ML082	4	5	Excellent
SOUNDHAR 5	III Year	211 ME 107 & "B"	4		Excellent
MURUGASEN.S	III Year	21 MEOBRAD	5	5	Excellent
M.saktheeswaran	III Year	21lme100/8	5	5	make she should be an
sathiyarajsathi001@gmail.com	III Year	21LME105 & B	5	5	Supre str
D. MANIKANDAN	III Year	211.ME085 .B	5		No
SANJEEV.V	III Year	21LME102/B	2		No
S. Ranjith kumar	III Year	211mc097&B	5		No
BHAVANTH M	III Year	211.ME066	4		Very nice
S.Deepanchakravarthi	III Year	21LME071	5		No
R.NIKHIL	III Year	21LME090 - B sec	5	5	No Excellent

		_	Called.	mant of Mechanical Legis	and in g		
	Stuents	leed	iback about O	n-Board diagnisis	t of vet	icles on 04.	03.2023
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DEPARTMENT OF MECHANICAL ENGINEERING

Organizing One Day Workshop on

# "Robotics simulation for Manufacturing"





Dr.N.Venkatachalam Activity Coordinator Dr.N.Natarajan Head of the Department









Dr.N.Tamilselvan

Prof. Mr.V.Karthikeyan Program Co-ordinators





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> NAAC (A+ Grade) and Recognized by UGC (2f &12B) KOMARAPALAYAM - 637303 Department of Mechanical Engineering





"Workshop on \_Robotics Simulation for Manufacturing"

11th March 2023

# Dr.N.MATHAN KARTHICK

Vice-Chairman, Excel Group Institutions Will preside over the function

# Dr.K.BOMMANNA RAJA

Principal, Excel Engineering College, Executive Director, Excel Technical Campus Has kindly consented to felicitate the function

# Dr.S.ANBUKARUPPUSAMY

Director Administration, Excel Technical Campus Has kindly consented to offer felicitate the function

# Dr.C.KARTHIKEYANI

Director Academics, Excel Technical Campus Has kindly consented to offer keynote the function

# Dr.N.NATARAJAN

Professor & Head, Department of Mechanical Engineering Will welcome the gathering

In the presence of Staff Members and students of Excel Engineering College











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# DEPARTMENT OF MECHANICAL ENGINEERING

# AGENDA

Prayer	:	BY EXCELLIANS
Welcome Address	<b>:</b> •	Dr.N.NATARAJAN
		HoD/Mechanical,Excel Engineering College
Presidential Address	:	Dr.N.MATHAN KARTHICK
		Vice Chairman, Excel Group Institutions
Felicitation Address	:	Dr.K.BOMMANNA RAJA
		Principal, Excel Engineering College,
and the second		Executive Director, Excel Technical Campus
Felicitation Address	:	Dr.S.ANBUKARUPPUSAMY
		Director Administration, Excel Technical Campus
Key note Address	:	Dr.C.KARTHIKEYANI
Concerning and		Director Academics, Excel Technical Campus
Vote of Thanks	:	Mr.V.KARTHIKEYAN
		Assistant Professor, Department of Mechanical
		Engineering

NATIONAL ANTHEM

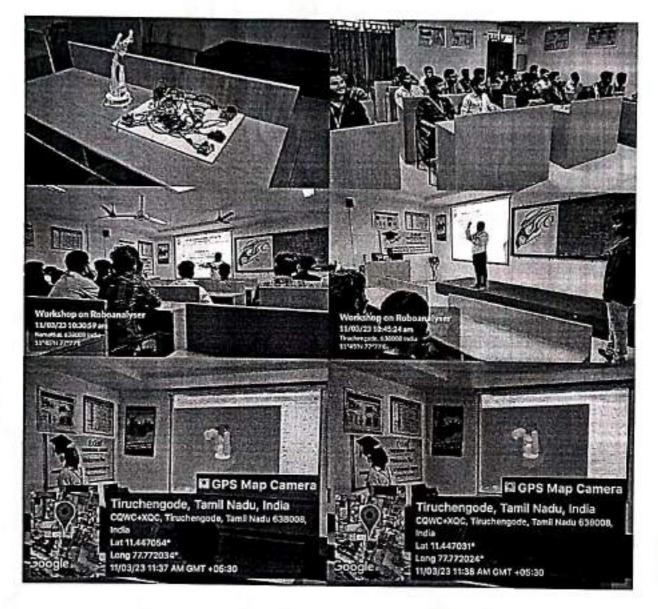
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Image of the Event







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## ACADEMIC YEAR 2022-23

DEPARTMENT OF MECHANICAL ENGINEERING

One day workshop on

"Robotics simulation for Manufacturing"

Date: 11.03.2023

Date of the Event Time of the Event Venue Event Organizers

: 11.03.2023 : 10.00 am to 12.00 am : Hyundai Professional Development Center

1. Dr.N.Tamilselvan AP/MECH / EEC

Mr.V.Karthikeyan AP / MECH / EEC

Summary of the event:

Dr.N.Tamilselvan Kick started the event with introduction to the robotics and fundamentals, after that with live examples and application the working principles and parts of the robots were explained at the first session, after that with live model the specification and parts of the robots were explained to students and they were enjoyed a lot with the live prototype model, finally the simulation for the movement of the robots were explained virtually to all the students

Number of Participants:

Staffs: 3, Students: 72

S.No	Name	Department	Phone Number
1	Udaykrishna.J	Mechanical	9652382126
2	ARHAM SAQUIB	Mechanical	7482009402
3	MANJEET KUMAR	Mechanical	6006544818
4	Abhishek Kumar	Mechanical	7667644890
5	RITIK RAUSHAN	Mechanical	7369809596
6	MD IRSHAD	Mechanical	7488902842
7	S. SHIVAPRAKASH	Mechanical	6385869369
8	Vivek Kumar	Mechanical	9973411204
9	Randhir Kumar	Mechanical	9430631339
10	DINESH M	Mechanical	6382205371
11	Md Hedayatullah	Mechanical	6202796158
12	Amit Kumar	Mechanical	9065884110
13	Shankar kumar	Mechanical	8252222077
14	MD SHAHID	Mechanical	6206827133
15	SOUNDHAR.S	Mechanical	6379974483
16	Ravi kumar	Mechanical	8538987967
17	BOOPATHI RAJA.M	Mechanical	8012280112
18	P.MAHENDRAN	Mechanical	6380043221
19	DHANANJAY KUMAR	Mechanical	7209369656
20	SUBASH CHANDRA S R	Mechanical	6383829001
21	SREEKANTH R	Mechanical	9791886411
22	JEEVARAGAVAN M	Mechanical	9361829590
23	GOKULRISHI Y	Mechanical	8667047975
24	MANIKANDAN D	Mechanical	9080523568
25	BHAVANTH M	Mechanical	6380628838
26	V. S. BARATH	Mechanical	9790002850
27	RAJA KUMAR	Mechanical	8541915950
28	SONU KUMAR	Mechanical	7033741953
29	MANOJKUMAR.R	Mechanical	9345570838
30	Abhishek Kumar	Mechanical	7667644890
31	ARHAM SAQUIB	Mechanical	7482009402
32	GOKULRISHI Y	Mechanical	8667047975
33	MANIKANDAN D	Mechanical	9080523568
34	MANJEET KUMAR	Mechanical	6006544818
35	Amit Kumar	Mechanical	9065884110
36	Udaykrishna.J	Mechanical	9652382126
37	Shankar kumar	Mechanical	8252222077
38	Vivek Kumar	Mechanical	9973411204
39	Randhir Kumar	Mechanical	9430631339
40	SUBASH CHANDRA S R	Mechanical	6383829001
41	RITIK RAUSHAN	Mechanical	7369809596
42	BHAVANTH M	Mechanical	6380628838
43	SONU KUMAR	Mechanical	7033741953
44	Md Gayasuddin	Mechanical	8521082947
45	SREEKANTH R	Mechanical	9791886411
46	RAJA KUMAR	Mechanical	8541915950
	V. S. BARATH	Mechanical	9790002850

48	Md Hedayatullah	Mechanical	6202796158
49	Ravi Kumar	Mechanical	7557763504
50	P.MAHENDRAN	Mechanical	6380043221
51	MD IRSHAD	Mechanical	7488902842
52	DHANANJAY Kumar	Mechanical	7209369656
53	ABHISHEK KUMAR	Mechanical	6205924400
54	SOUNDHAR.S	Mechanical	6379974483
55	ARULJOTHI .P	Mechanical	9025003544
56	MANOJKUMAR.R	Mechanical	9345570838
57	G.KARUPPUSAMY	Mechanical	8667277713
58	Rishav raj	Mechanical	6202410640
59	Sonu Kumar	Mechanical	9973283183
60	VIVEK KUMAR CHOUBEY	Mechanical	7782911227
61	Aditya jaiswal	Mechanical	8409981902
62	SYED SOHAIL	Mechanical	9133565283
63	VINOTH KUMAR M	Mechanical	7708464263
64	GANESH CHANDRA	Mechanical	8897940755
65	SRIKANTH, B	Mechanical	9578185178
66	LALITHKUMAR, T. A	Mechanical	8610061169
67	VEMPATI CHARAN SAI	Mechanical	9704487530
68	YALLA VENKTAKARTHIK	Mechanical	9176755132
69	SARATH KUMAR S	Mechanical	9789455095
70	Sachin Kumar Dubey	Mechanical	9523980684
71	Punita kumari	Mechanical	9031149063
72	VARUN KUMAR SINGH	Mechanical	8603156595



45	SREEKANTH R	Mechanical		92	03			
45	RAJA KUMAR		9791886411	3	Yes	yes	Yes	1
47	V. S. BARATH	Mechanical	8541915950	1, 4	Yes	yes	Yes	4
48		Mechanical	9790002850	5	Yes	yes	Yes	5
49	Md Hedayatullah	Mechanical	6202796158	5	Yes	yes	Yes	5
	Ravi Kumar	Mechanical	7557763504	4	Yes	Maybe	Yes	4
50	P.MAHENDRAN	Mechanical	6380043221	1	Yes	yes	Yes	1
51	MD IRSHAD	Mechanical	7488902842	4	Yes	yes	Maybe	5
52	DHANANJAY Kumar	Mechanical	7209369656	5	Yes	yes	Yes	5
53	ABHISHEK KUMAR	Mechanical	6205924400	4	Yes	yes	Maybe	4
54	SOUNDHAR.S	Mechanical	6379974483	5	Yes	yes	Yes	5
55	ARULJOTHI P	Mechanical	9025003544	5	Yes	yes	Yes	5
56	MANOJKUMAR.R	Mechanical	9345570838	5	Yes	yes	Yes	5
57	G.KARUPPUSAMY	Mechanical	8667277713	5	Yes	Yes	Yes	5
58	Rishav raj	Mechanical	6202410640	5	Yes	yes	Yes	5
59	Sonu Kumar	Mechanical	9973283183	2	Maybe	yes	Yes	3
60	VIVEK KUMAR CHOU	Mechanical	7782911227	5	Yes	yes	Yes	5
61	Aditya jaiswal	Mechanical	8409981902	3	Maybe	yes	Yes	-
62	SYED SOHAIL	Mechanical	9133565283	5	Maybe	yes	Yes	5
63	VINOTH KUMAR M	Mechanical	7708464263	5	Yes	yes	Yes	5
64	GANESH CHANDRA	Mechanical	8897940755	4	No	yes	Yes	
65	SRIKANTH, B	Mechanical	9578185178	3	No	yes	Yes	3
66	LALITHKUMAR, T. A	Mechanical	8610061169	5	Maybe	yes	Yes	2
67	VEMPATI CHARAN S	/Mechanical	9704487530	5	Yes	yes	Yes	
68	YALLA VENKTAKART		9176755132	1	Yes	yes	Yes	3
69	SARATH KUMAR S	Mechanical	9789455095	4	Yes		Yes	
70	Sachin Kumar Dubey		9523980684	2	Yes	yes	100000	12
71	Punita kumari	Mechanical	9031149063	4	Yes	yes	Yes	2
72	VARUN KUMAR SING		8603156595	3	Yes	yes	No	4
10100		- The second second second	0000100000	S2	105	yes	Yes	2

1.5

	S.No	Name	Department	Phone Number	1.How useful did you think this event for you	2.Did you received atl the information you required	3.Where the content delivered was helpfull to you ?	<ol> <li>Did the speaker do an effective job of prosenting the material</li> </ol>	5. How much this session was useful from the knowlowdge and information point of view?
	1	Udaykrishna,J	Mechanical	9652382126	4	Yes	yes	Yes	4
	2	ARHAM SAQUIB	Mechanical	7482009402	5	Yes	yes	Yes	5
	3	MANJEET KUMAR	Mechanical	6006544818	4	Yes	yes	Yes	4
	4	Abhishek Kumar	Mechanical	7667644890	5	Yes	yes	Yes	5
	5	RITIK RAUSHAN	Mechanical	7369809596	5	Yes	yes	Yes	5
	6	MD IRSHAD	Mechanical	7488902842	4	Yes	yes	Yes	4
	7	S. SHIVAPRAKASH	Mechanica1	6385869369	3, 4	Yes	yes	Yes	2
	8	Vivek Kumar	Mechanica1	9973411204	4	Yes	yes	Yes	4
	9	Randhir Kumar	Mechanical	9430631339	5	Yes	yes	Yes	5
	10	DINESH M	Mechanical	6382205371	5	Yes	yes	Yes	5
	11	Md Hedayatullah	Mechanical	6202796158	5	Yes	yes	Yes	5
	12	Amit Kumar	Mechanical	9065884110	5	Yes	yes	Yes	5
	13	Shankar kumar	Mechanical	8252222077	4	Yes	Maybe	Yes	4
	14	MD SHAHID	Mechanical	6206827133	5	Yes	yes	Yes	2
	15	SOUNDHAR.S	Mechanical	6379974483	4	Yes	yes	Yes	5
-t-	16	Ravi kumar	Mechanical	8538987967	4	Yes	yes	Yes	4
	17	BOOPATHI RAJA M	Mechanical	8012280112	5	Yes	yes	Yes	5
	18	P.MAHENDRAN	Mechanical	6380043221	2	Yes	yes	Yes	2
	19	DHANANJAY KUMAR	Mechanical	7209369656	5	Yes	yes	Yes	ŝ
	20	SUBASH CHANDRA	E Mechanical	6383829001	4, 5	Yes	yes	Yes	5
	21	SREEKANTH R	Mechanical	9791886411	4	Yes	yes	Yes	1
	22	JEEVARAGAVAN M	Mechanical	9361829590	3	Yes	yes	Maybe	3
	23	GOKULRISHI Y	Mechanical	8667047975	5	Yes	yes	Yes	5
	24	MANIKANDAN D	Mechanical	9080523568	5	Yes	yes	Yes	5
	25	BHAVANTH M	Mechanical	6380628838	5	Yes	yes	Yes	3
	26	V. S. BARATH	Mechanical	9790002850	5	Yes	yes	Yes	5
	27	RAJA KUMAR	Mechanical	8541915950	4	Yes	yes	Yes	Ă
	28	SONU KUMAR	Mechanical	7033741953	4	Yes	yes	Yes	2
	29	MANOJKUMAR.R	Mechanical	9345570838	4	Yes	yes	Yes	2
	30	Abhishek Kumar	Mechanical	7667644890	5	Yes	yes	Yes	
	31	ARHAM SAQUIB	Mechanical	7482009402	5	Yes	yes	Yes	5
	32	GOKULRISHI Y	Mechanical	8567047975	5	Yes	yes	Yes	5
	33	MANIKANDAN D	Mechanical	9080523568	5	Yes	yes	Yes	-
22.400	34	MANJEET KUMAR	Mechanical	6005544818	1,4	Yes	yes	Yes	2
	35	Amit Kumar	Mechanical	9065884110	5	Yes	yes	Yes	5
	36	Udaykrishna.J	Mechanical	9652382126	Ă	Yes	2.15 C 12.1 C 1.1	Yes	5
	37	Shankar kumar	Mechanical	8252222077	2	Yes	yes yes	Yes	2
	38	Vivek Kumar	Mechanical	9973411204	A	Yes		Yes	
	39	Randhir Kumar	Mechanical	9430631339	1	Yes	yes	1 1 2 3 3 3 3 3 3	2
	40	SUBASH CHANDRA		6383829001	5	Yes	yes	Yes	5
	40	RITIK RAUSHAN	Mechanical	7369809596	4		yes	Yes	2
	41	BHAVANTH M	Mechanical	01000 00.000 00.000 00	5	Yes	YES	Yes	9
	43	SONU KUMAR	Mechanical	6380628838 7033741953	0	Yes	yes	Yes	4
		AURU NUMAN	THE CALL AND THE CALL	10.536419213	4	TAE	yes	2017	4

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

Date: 13.03.2023

Submitted to Vice Chairman / Chairman:

Sub: Request for booking Excel Mini Auditorium - National Conference- reg.

It is bring to your kind notice that, we are organizing National Conference on "Innovative Smart Technologies in Engineering and Management Science" (I-STEMS'23) on 6th April, 2023. In this connection, we request you to kindly accord approval for booking of Excel Mini Auditorium and generator facility for uninterrupted power supply on 06.042023 from 10.00 to 11.30 AM.

1. CM Organizing Secretary

Dir(Acad)

13/3/27. May be permitted

12/3/23

Vice-Chairman

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is a eff supporter programme: May be per EXCEL ENGINEERING COLLEGE (Autonomous) Approved by AICTE, New Delhi & Affiliated to Anna University, Chennal Accredited by NBA(AERO, CSE, ECE, MECH), NAAC with "At" and Recognized by UGC (21 \$128) KOMARAPALAYAM - 637303

Program Coordinators: Dr.R. Vinoth, ASP/Mech/EEC Dr.N.Tamilselvan, ASP/Mech/EEC

Submitted to the Principal Respected Sir,

Date: 03.03.2023

Sub: Seeking Permission to Conduct a National Conference and request for Preliminary expenses- reg.

It is planned to organize a National Conference on "Innovative Smart Technologies in Engineering and Management Science" (I-STEMS) on 6th April, 2023. In this connection, we seek your kind permission to conduct the conference in an effective manner.

To perform the preliminary expenses for the following items are required

S.No	Items	Expenses	Remarks
的社会	Brochure Printing charges (A3 Size- 50*50)00	P 2500	
2	Postal expenses	2000	
3'	Miscellaneous expenses .	500	H Littlein hard
	Total expenses	5000	P. Jahost P. J. P.

It is requested that the above amount may please be sanctioned and issued for the smooth conduct of the conference.

Tell budger, will be Jubrished 08/03/22. Jubrished 08/03/22. Jon Nows No Sorrols May Man advance to me Coordinato HoD/Me dmin Executive Director ce-Chairman 02/28/23

# EXCEL ENGINEERING COLLEGE (Autonomous) ed by AICTE, New Delhi & Affiliated to Anna University, Chennal Accret (AERO,CSE,ECE,MECH), NAAC with "A\*" and Recognised by UGC (2f & 12B) KOMARAPALAYAM - 637303

# NATIONAL CONFERENCE ON "I-STEMS 2023"

# COMMITTEES

Date:	29.	03.	20	23
-------	-----	-----	----	----

Convener : Dr. N.Natarajan,, HOD/ Mech	Coordinators	: 1	Dr. R.Vinoth, ASP/Mech
A State of the second second	11 A	1 :	Dr. N.Tamilselvan, ASP/Mech

Date: 06.04.2023

Venue: Excel Mini Auditorium

# **ROLES & RESPONSIBILITY**

SI. No.	Name of the Committee	Department	Roles & Responsibility
1.	Reception Committee	HOD/ FOOD	a. Arranging the reception desk b. Rangoli in the entrance c. Volunteers in the reception desk
2.	Registration & Proceedings	HOD/ MECH	<ul> <li>a. Collecting the budget form each committee</li> <li>b. Settling the budget</li> <li>c. Registration process for Ext &amp; Int participants</li> <li>d. Preparation of Proceedings</li> </ul>
3.	Invitation Committee	HOD/ AERO	<ul> <li>a. Design and printing of Invitation</li> <li>b. Distribution of invitation to the respective Principal</li> <li>c. ID cards</li> </ul>
4.	Stage Committee	HOD/ PCT/BME	<ul> <li>a. Back drop design and erection on stage</li> <li>b. Stage chairs &amp; tables (with cloth covered) with name plates</li> <li>c. Printing the agenda and arrange on the table</li> <li>d. Shawl and memento to the Guest</li> </ul>
5.	Guest Committee	S&F	<ul> <li>a. Receiving the Guest at the entrance</li> <li>b. Arranging snacks, Tea and lunch to the guest</li> <li>c. Taking the guest to the auditorium</li> </ul>
6	MOC Committee	English Dept/ EEC	a. Preparing the agenda b. Identifying the MOC team & Desk c. Arranging the MIC for MOC
7.	Seating & Discipline Committee	HOD/ CIVIL & AGRI	a. Arrange the chairs according to the plan
8.	Food Committee	HOD/ MECH	<ul> <li>a. Ensure the water distribution point outside the auditorium with volunteers</li> <li>b. Ensure the timely arrival of lunch</li> <li>c. Ensure the even distribution of lunch to participants through students and staff volunteers</li> </ul>

9.	Press & Media	HOD/ IT & PRO	<ul> <li>Giving advertisement and news to the local newspapers, website &amp; social media</li> </ul>
10	Certificate committee	HOD/ CSE/AIDS	<ul> <li>a. Design and printing of certificate</li> <li>b. Collecting the conference papers and scrutinize the winner with a department level committee</li> <li>c. Prepare the best paper of the department (one from each department)</li> <li>d. Preparation for Medals and Certificates</li> </ul>
19.	Generator & Audio system	HOD/ EEE	a. Make arrangement of generator and audio system b. Podium with MIC
111 Leebnice According		I-STEMS Technical Committee Members	<ul> <li>a. Conducting the paper presentation session using committee &amp; identifying the winners using judges</li> <li>b. Consolidating the results and submitted to the prize committee</li> <li>c. Scheduling the time and duration for each department</li> </ul>

# I-STEMS Technical Committee Members

S.No	Members Name	1 1
1	Dr.K.Boopathy ASP/Mech	4
2	Dr.N.Venkatachalam ASP/Mech	
3	Mr.M.Sambathkumar, AP/Mech	1 1
4	Mr. V.karthikeyan AP/Mech	-
5	Dr.Gowtham ASP/Aero	
6	Mr.G.Velmurugan, AP/Aero	美
7	Mr.S.Saravanakumar AP/S&F	ett.
8	Dr. Visalachi ASP/Civil	as.
9	Dr.P.Loganathan ASP/Civil	N.
10	Mr.M.P.Murugesan, Asp/Food	M
11	Dr.S.Gunasekaran, ASP/EEE	95
12	Dr.G.Jagajothi, Professor/ECE	-
13	Mr.Manoj Prabhu, AP/Agri	7月
14	Mr.Sureshkumar, AP/CSE	盾
15	Mr.Kalpana, AP/CSE	

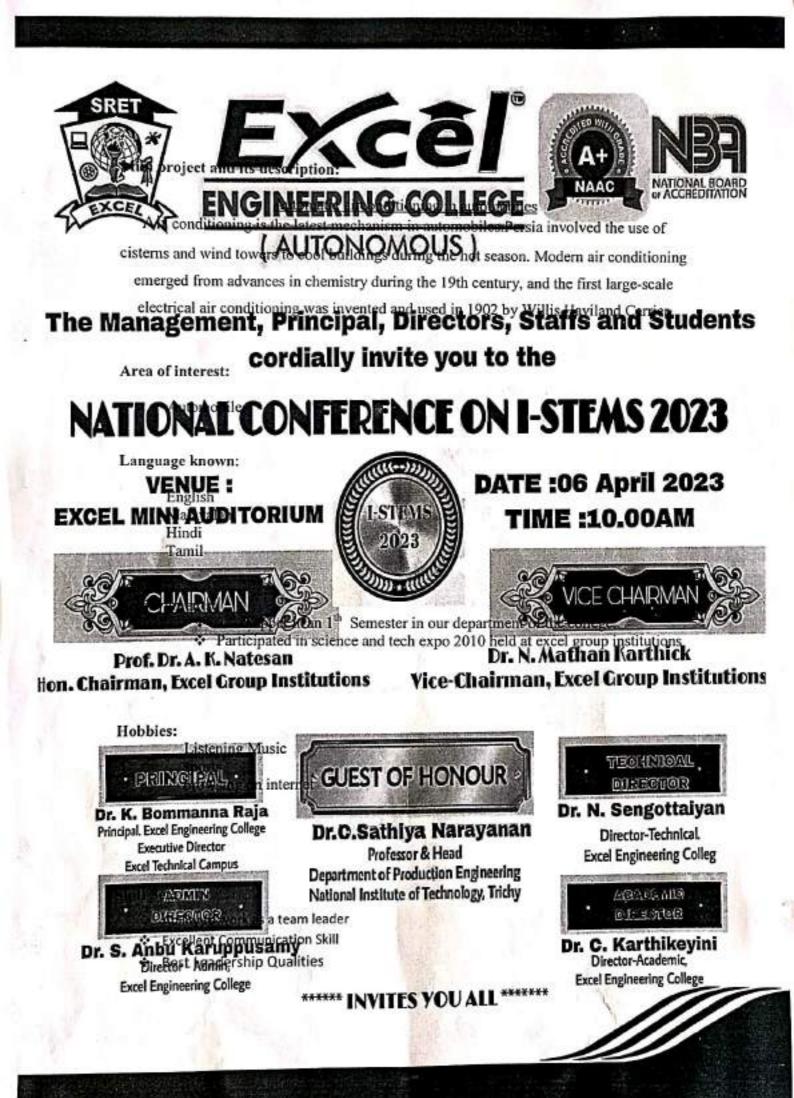
Ch. Mrs. S. Mouna, APIIT

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Coordinator ag

V.N. Jane 30/3/3 Convener 30/3/3







# EXCEL ENGINEERING COLLEGE (AUTONOMOUS)

# AGENDA

		AGENDA	
ute: 06.04.2023	Venue: Exce	I Mini Auditorium Time: 10.00 AM	
	Invocation	• ·	
W	elcome Address	Dr.P.C.Senthil Mahesh, HoD/CSE	
Light	ing of Kuthuvizhaku	By Dignitaries	
Intro	duction to I-STEMS	Dr.N.Natarajan Convener, I-STEMS 2023	
Hono	ring the Chief Guest	gy Prof.Dr.A.K.Natesan Hon. Chairman, Excel Group Institution	
4 .		Dr.N.Mathan karthick Vice- Chairman, Excel Group Institutions	
Pro	esidential Address	Dr. K. Bommanna Raja Principal	
		Dr.N.Sengottaiyan Technical Director	
Fe	Felicitation Address	Dr.C.Karthikeyini Director – Academic	
		Dr.S.Anbu Karuppusamy Director – Administration	
In	augural Address	Dr.C.Sathiya Narayanan Professor & Head Department of Production Engineering National Institute of Technology, Trichy.	
****	Vote of Thanks	Dr.S.Shamugasundaram, HoD/CIVIL	
N	lational Anthem	-	

# -STEMS April NATIONAL CONFERENCE ON INNOVATIVE SMART TECHNOLOGIES IN ENGINEERING AND MANAGEMENT SCIENCES



Excel Engineering College established during 2007 is a NAAC A+ grade accredited institution which offers various Undergraduate and Postgraduate Degree programmes in Engineering and Technology. Aeronautical Engineering, Mechanical Engineering, Computer Science & Engineering and Electronics & Communication Engineering are accredited by National Board of Accreditation (NBA). The college is conferred with autonomous status during the academic year 2020-2021

## ABOUT THE CONFERENCE

I-STEMS 2023 is primarily aims to provide a common platform for Academicians, Industry Personnel, Research Scholars, Students to interact and share their knowledge and innovative ideas about the Innovative Smart Technologies in various fields of Engineering and Management Sciences. The delegates and participants will be benefitted by the knowledge dissemination by the experts from leading institutions, research organizations and industries in various fields of engineering and management science. The conference will provide pragmatic inputs to pioneers in scientific and engineering community.

## **TOPICS OF INTEREST**

- Agricultural Technologies
- Cyber Physical Systems
- Mechatronics and Robotics Applications + Hybrid Electrical Vehicles
- Computed Communications & VLST
- Al & Machine learning
- Aviation Technologies Smart Business Process Management · Smart Irrigation & IoT

\* Smart Automation

+ Processing of Millet Products

Aerodynamics, Propulsion and Structures

- Renewable Energy & Power Electronics + Clean and Green Energy Technology
- Any other topics related to Engineering and Management Sciences

### PAPER SUBMISSION

The Prospective authors are requested to submit a soft copy of an abstract carrying sufficient information for fair assessment while registering by scanning the OR code.

The full paper is to be send to i-stems eeo@excelcolleges.com after notification of abstract acceptance. All papers presented will appear in I-STEMS 2023 Conference Proceedings.

### IMPORTANT DATES

Abstract Submission last date Notification of acceptance of abstract Deadline for Submission of full length Paper Registration Deadline

: 20 March 2023 : 25 March 2023 31 March 2023 04 April 2023

Rs. 1000

Rs. 800

Rs. 500

### CONFERENCE REGISTRATION

### For Participants

- Delegates from industry
   Faculties from Academic Institutions
- Research Scholars & Students
- For payment, Use the following Paytm Number 8124446361 For any Queries. Send Mail to i-stems.eec@excelcolleges.com /
- Call: 9944280433, 9750749705









# EXCE ENGINEERING COLLEGE - AUTONOMOUS

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Dr. M. Vadivel, Professor & Head / IT
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Dr. M. R.Mohanraj, Professor & Head / EEE
Dr. K. Tamilarasi, Professor & Head / ECE
Dr. E.R.Sivakumar, Professor & Head / Petrochemical
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Dr. V.S. Arulmurugan, Professor & Head / S&H

# ORGANIZING SECRETARY

Dr. R. Vinoth, Associate Professor / Mechanical Dr. N. Tamilselvan, Associate Professor / Mechanical

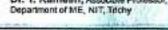
### ADVISORY COMMITTEE

ADVISORY COMMITTEE	12 10252
Dr. S. Venkatesan, Professor, Department of IT Indian Institute of Information Technology, Allahabad, Dr. N. Chandrasekaran, Professor, Department of Ct NITK, Sumitikal, Manpaloes.	So up is (\$352
Dr. N. Sivakumaran, Professor, Department of ICE, N Col.S.D. Aravendan, Chief Administrative Officer (CA Dr. S.P. Anbuudayasankar, Professor, Department o Guru Ghasidas Vatiwavioyalaya, A Central University, Koni	IIT, Trichy. O), IIM, Bangalore. of ME,
Dr. M. Arun, Professor. Department of ET School of Electronics Engineering, VIT, Velore. Dr. S. Saravanan, Associate Professor, VIT, Velore. Dr. Banu Rokha, Associate Professor, Department of E PSG College of Technology, Coimbatore.	IME Proceed

**KEYNOTE SPEAKERS** 

Dr. V Arul Prakash, Professor, Department of ME, IITM, Chennel.

Dr. T. Ramesh, Associate Pr Department of ME, NIT, Trichy





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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennal Accredited by NBA and NAAC with "A+" and Recognized by UGO(28328) KOMARAPALAYAM - 637303

The Management, Principal, Directors, Staff and Students Cordially Invite you to the Inauguration of

First National Conference on

Innovative Smart Technologies in Engineering and Management Sciences

# I- STEMS 2023

Date & Time: 06.04.2023 & 10.00 AM

Chief Patrons

Prof. Dr. A K Natesan Hon.Chairman Excel Group Institutions Dr.N. Mathan Karthick Vice Chairman Excel Group Institutions

Patrons

Dr. K. Bommanna Raja Executive Director Dr. N. Sengottaiyan Technical Director

Dr. S. Anbu Karuppusamy Director - Administration Dr. C. Karthikeyini Director - Academics

# Chief Guest

# Dr.C.Sathiya Narayanan

Professor & Head Department of Production Technology National Institute of Technology, Trichy



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Venue : Excel Mini Auditorium



# EXCELENGINEERING COLLEGE (AUTONOMOUS) INAUGURATION OF NATIONAL CONFERENCE.

# "I-STEMS 2023"

INAUG	URATION OF NATIONAL CONFERENCE.	
	"I-STEMS 2023"	
	AGENDA	
Date: 06.04.2023 Ven	ue: Excel Mini Auditorium Time: 1	0.00 AM
Invocation		Time
Welcome Address	Dr.P.C.Senthil Mahesh, HoD/CSE	10:00 AN
Lighting of Kuthuvizbaku	Dignitaries	10:10 AN
Publication of Proceedings	By Chief Guest	10:15 AN
Introduction to I-STEMS	Dr.N.Natarajan Convener, I-STLMS 2023	10:20 AM
Honoring the Chief Guest	Rtn.Prof.Dr.A.K.Natesan Hon. Chairman, Excel Group Institution	10:25 AM
	Dr.N.Mathan karthick Vice- Chairman, Excel Group Institutions	10:30 AM
Presidential Address	Dr. K. Bommanna Raja Principal	10:35 AM
	Dr.N.Sengottaiyan Technical Director	10:40 AM
Felicitation Address	Dr.C.Karthikeyini Director – Academic	10:45 AM
	Dr.S.Anbu Karuppusamy Director - Administration	10:50 AM
Inaugural Address	Dr.C.Sathiya Narayanan Professor& Head Department of Production Engineering National Institute of Technology, Trichy.	10:55 AM
Vote of Thanks	Dr.S.Shamugasundaram, HoD/CIVIL	11:00AM
National Anthem	•	11:10 AM
Presentation Starts	-	11:30 AM

S M M National Conference on Innovative Smart Ņ **Technologies** in Engineering and Management Studies

# **Excê Engineering College** (Autonomous)

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CONFERENCE PROCEEDINGS

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai Accredited by NBA and NAAC with "A+" and Recognized by UGC(2f&12B)

-STEMS April NATIONAL CONFERENCE ON INNOVATIVE SMART TECHNOLOGIES IN ENGINEERING AND MANAGEMENT SCIENCES

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## TOPICS OF INTEREST

- Agreentural Technologies
- Cyber Physical Systems
- Processing of Milet Products Amsterantics, Propulsion and Structures
- Nechaborics and Robotics Applications + Hybrid Electrical Vehicles
- Computing Communications & VLSI + Smart Automation Al & Machine learning
- Any other topics related to Engineering and Management Sciences

## PAPER SUBMISSION

The Prospective authors are requested to submit a soft copy of an abstract carrying sufficient information for fair assessment while registering by scanning the QR code.

The full paper is to be send to i-stems.eec@excelcolleges.com after notification of abstract acceptance. All papers presented will appear in I-STEMS 2023 Conference Proceedings.

### IMPORTANT DATES

Abstract Submission last date Notification of acceptance of abstract Deadline for Submission of full length Paper : 31 March 2023 Registration Deadline

: 20 March 2023 : 25 March 2023 : 04 April 2023

## CONSERENCE REGISTRATION

### For Participants

 Delegates from industry
 Faculties from Academic Institutions Rs. 1000 Rs. 800 Research Scholars & Students :Rs. 500

For payment, Use the following Paytrn Number - 8124446361 For any Queries

Send Mail to i-stems.eec@exculcolleges.com / Call : 9944280433, 9750749705









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----INO NECH CREATERL NH-544, Salem Main Roud, Komarapalayam + 637 303, Namakkal District.

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Dr. N. Natarajan, Professor & Head / Mechanical Engineering

### CO CONVENER

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### KEYNOTE SPEAKERS

Dr. V Arul Prakash, Professor, Department of MF, IITM, Chennal,

Dr. T. Ramesh, Associate Professor, Department of ME, NIT, Trichy



- Aviation Technologies
- Renewable Energy & Power Electronics + Grean and Green Energy Technology
- Smart Business Process Management + Smart Intgation & IoT

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NO	Paper ID	Department	Paper Title	Authors	College name
1	1       IS EMS23106       Engineering       SUGARCANE FIBER EXTRACTION MACHINE       FIRDOUS FATHIMA. G         2       ISTEMS23107       Agricultural Engineering       SENSOR BASED SUGARCANE BAGGASE MOISTURE CONTROL IN SUGAR INDUSTRIES       Pooja. K, Juwanita. A L,Kayalvizhi.         3       ISTEMS23108       Agricultural       Agricultural Agricultural       SENSOR BASED SUGARCANE BAGGASE SUGARCANE BAGGASE Automatic Plant Watering       Pooja. K, Juwanita. A L,Kayalvizhi.		OF AUTOMATIC SUGARCANE FIBER	KAMLISRI.N, NISHANTHINI. B, FIRDOUS FATHIMA. G NASRIN. M	Excel engineering college
2			Pooja. K, Juwanita. A, Lisa Anto. L,Kayalvizhi. K	Excel engineering college	
3			Automatic Plant Watering System Without	ELAIYA BARATHI J, AZHAGARASAN, BDHINESH KUMAR S,JAGATH V	Excel engineering college
4	ISTEMS23109	ARC Agricultural AUTC Engineering N		ARTHI. V, ROSHAN. M. S,TAMIL SOLAI. G	Excel engineering college
5	ISTEMS23111	Agricultural Engineering	Design and CFD Analysis of fertilizer Sprayer nozzle	C. PAVITHRA ,S. Dharashini,M Thangam,P. Kiruba Darthi	Excel engineering college
6	ISTEM523112	Ágricultural Engineering	DESIGN OF MIST BLOWER TO OPTIMIZE THE EFFICIENCY AND ECONOMICS IN AGRICULTURE CROPS	TO OPTIMIZE THE Ritesh Kumar Gandhi, Chewang Dorjee EFFICIENCY Tamang, Deepak Kumar, ND ECONOMICS IN Mahamuni M	
7	ISTEM\$23113	Agricultural Engineering	DESIGN AND FABRICATION OF HAYRAKE EQUIPMENT	Boopalraj G. ManojkumarJ,Pooragava,Prakash M	Excel engineering college

8	ISTEMS23114	Agricultural Engineering	Studies on plants Decerpens Inert Separator in Groundnut	Dhinagar AM,Aj thkumar Dhinagar,Sanjay	Excel engineering college	
9	ISTEMS23115	Agricultural Engineering	DESIGN AND FABRICATION OF SOLAR POWERED MULTI CROP CUTTER	Dinesh Kumar S,Poovarasan V,Ranjith Kumar M	Excel engineering college	
10	ISTEMS23116	Agricultural Engineering	DEVELOPMENT AND QUALITY EVALUATION OF BREAD SUPPLEMENTED WITH JACKFRUIT SEED FLOUR	K.R.Krishun,S.Agilan,K.S.Rithick Roshan	Excel engineering college	
11	ISTEMS23117	Agricultural Engineering		Madhan.M,Lakshmi Narayanan. ADeva. C	Excel engineering college	
12	ISTEMS23118	Agricultural Engineering	STUDY OF PERSPECTIVE EVALUATION IN TRANSFORMING FOOD PROCESS INDUSTRY WASTAGE INTO ECO FRIENDLY BIO-ETHANOL	Birindhaa I, Deepika T, Poongodi V S, Priya S Rameshkumar S	Excel engineering college	
13	ISTEM\$23119	Agricultural Engineering	SINGLE ROW SEED DRILL MACHINE	Ranjeet Kuamr , Ritik Raj , Vimal .R ., Suresh Kumar.R	Excel engineering college	
14	ISTEMS23120	Agricultural Engineering	SOLAR POWERD AQUA- PONICS WITH IOT	Dharani.A , Vasudevan.C , Rupesh Kumar gupta , Anand sagar	Excel engineering college	
15	ISTEMS23121	Agricultural Engineering	Development and formulation of the manufacturing of bread by using of Panama berry extract	C. Moulitharan, MD Sahid <sup>3</sup> ,C.Preethi <sup>4</sup> ,S.Akila <sup>5</sup>	Excel engineering college	
16	ISTEMS23122	Agricultural Engineering	PEST CONTROL ON AGRICULTURE BY AUTOMATIC ROBOT	K.Nishanth S.Sivabalamurugan, R.Dharani,V.Nandhaprakash.	Excel engineering college	

17	ISTEMS23123	Agricultural Engineering	Walk pesticide sprayer vehicle	Sushant kumar , Dhanushree .S , Shyamalapriya.R , Kartik raja.p	Excel engineering college
18	ISTEMS23124	Agricultural Engineering	Design and fabrication of savonious wind turbine	Ramya.K , Varshini.S , Vignesh.V , Purushottam KumarYadav	Excel engineering college
19	ISTEMS23125	Agricultural Engineering	Smart irrigation & IOT	G. Karthiga devi , Bipin kumar , Bhardar , R.Manikandan	Excel engineering college
20	ISTEMS23126	Agricultural Engineering	Formation And Development of Orange Peel Tea Powder	Pooja.S ,Naveenbalaji.M , Raghu.R ,Rajukumar	Excel engineering college
21	ISTEMS23127	Agricultural Engineering	Multipurpose agriculture system	Md.saif, Vikas umar, Sweatha.R, C.rohith	Excel engineering college
22	ISTEMS23128	Agricultural Engineering	SMART IRRIGATION SYSTEM USING IOT	M. Rajesh, S. Sundharraj, S. Kaviarasi, Upendra Kumar.	Excel engineering college
23	ISTEMS23129	Agricultural Engineering	Preparation of combined medicinal oil with rosemary and eucalyptus leaves	Nithya kalyani.M , Sivakumar.R , Mohanraj.S , Nithishkumar	Excel engineering college
24	ISTEMS23130	Agricultural Engineering	Development and production of liniment from geranium leaves	K.Priyadharshini ,P.Balamurugan M.Mukesh kumar ,Adharsh Kumar	Excel engineering college
25	ISTEMS23131	Agricultural Engineering	Formation And Development of Erriched Ice cream Cone Using Tamarind Seed and Black Rice	Deepika.P , Harish Vishnu.E , Mohammedhaya.R, Avninash Kumar	Excel engineering college

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26	ISTEMS23132		EXPERIMENTAL ANALYSIS ON ECO-FRIENDLY SOLAR DRYER WITH IOT	Gowtham M , Ashifa.5 , Jitendra Kumar , Nirmala kumari .	Excel engineering college
27	ISTEMS23133	Agricultural Engineering	Crop & plants health monitoring system	Amit kumar , Anju kumari , Aatralarasu.A , Dharanya.M	Excel engineering college
28	ISTEMS23134	Aeronautical Engineering	DESIGN AND FABRICATION OF SOLARPOWER ASSISTED SAILPLANE	K.Vijay Babu ,S.Abinanthan , R.Gunal , M.Jeevanandham , R.Maheswaran	Excel engineering college
29	ISTEMS23135	Aeronautical Engineering	AUTHORING AND ILLUSTRATION OF GRADOPTER TECHNICAL MANUAL AND MANUFACTURING OF GRADOPTER PROTOTYPE USING 3D PRINTING TECHNOLOGY	S.R. Arun , M. Rahulrahavendran, J. Jithin mon , Santoshprakash S. Varun kumar	Excel engineering college
30	ISTEM523136	Aeronautical Engineering	FABRICATION OF OBSTACLE DETECTION AND WARNING AERIAL OPERATOR VEHICLE	Pooja. P. M, Kavya. M, Mounika. P,Vanathi. M	Excel engineering college
31	ISTEMS23138	Computer Science and Engineering	Introducing A Cloud Based Skill And Job Recommender Application	Rehana parveen,Vibhash anand,Tulsi sharma,Rajeev kumar	Excel Engineering College, Komarapalayam
32	ISTEM523143	Computer Science and Engineering	HOTEL MANAGEMENT SYSTEM	Phurpa Thelen Sherpa , Saroj Mandal , Shuvankar Sasmal , Siddharth Kumar Mishra , Vibhakar Mishra	Excel Engineering College, Namakka

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33	ISTEMS23145	Computer Science and Engineering	EXPERIMENTAL INVESTIGATION ON CNC MACHINE TOOL FIXTURE DESIGN TO IMPROVE PRODUCTIVITY	ANJALI JENU,LABINAYA,P.BHAVANI,G.GOKUL PRIYA	Excel Engineering College, Namakkal
34	ISTEMS23146	Computer Science and Engineering	ANTI SMARTPHONE REVOLUTION	M.MOHANAPRIYA, S.DHANALAKSHMI, S.DEEPIKA, R.MOHANAPRIYA	Excel Engineering College, Namakkal
35	ISTEMS23147	Computer Science and Engineering	Financial Prediction Using Machine Learning	Akash Mukherjee, Abinash Kumar,Harsh Kumar,Abdul Quadir	Excel Engineering College, Nemakkal
36	ISTEMS23148	Computer Science and Engineering	COMPANION APP MENTAL HEALTH TRACKER	Aman Darjee, Amrit Rai, Xusen Hang Subba, Mishai Rai	Excel Engineering College Namacka
37	ISTEMS23149	Computer Science and Engineering	EXPERIMENTAL INVESTIGATION ON CNC MACHINE TOOL FIXTURE DESIGN TO IMPROVE PRODUCTIVITY	KOUSALYA S.M.DEEPIKA,A.ABIRAMI,D.MONIKA	Excel Engineering College, Namakkal
38	ISTEMS23150	Computer Science and Engineering	FACE TICKET :EXAM HALL AUTHENTICATION SYSTEM USING FACE BIOMETRICS	kaleeshwaran.S , Kishore kumar P , Sakthivel.K , Ganesh.G	Excel Engineering College, Nomarkal
39	ISTEMIS23151	Computer Science and Engineering	SECURING IMAGE BY STEGANOGRAPHY	Alagesan M., Buvaneswari J., Deepa G , Joshinlisbon N	Excel Engineering College Namacca

40	ISTEMS23152	Computer Science and Engineering	SECURING THE FUTURE OF NEWS A NOVEL APPROACH TO COMBATING FAKE MEDIA	Nathiya 5 , Devaneshan V , Elangovan R , Iyyandurai A	Excel Engineering College, Namakkal
41	ISTEMS23153	Computer Science and Engineering	VOTECHAIN FOR SECURE AND TRANSPARENT E-VOTING MECHANISM USING AI AND BLOCKCHAIN TECHNOLOGY	Poondharani G , Rakshana D , Venkatesh T,Soundhar V S	Excel Engineering College, Namakkal
42	ISTEMS23154	Computer Science and Engineering	INTELLIGENT EYE	J.Oburatha , K.Abinesh , S.Bharath , V.G.Devendra , K.Manojkumar , J.Marusamy	Excel Engineering College, Namakkal
43	ISTEMS23155	Computer Science and Engineering	DIGITAL TOKEN GENERATION AND NOTIFICATION SYSTEM FOR PUBLIC DISTRIBUTION SYSTEM	Saiprasad V , Sheeba Sherin A , Subash R , Kalaivani G	Excel Engineering College, Namakkai
44	ISTEMS23156	Computer Science and Engineering	A MULTILINGUAL SPEECH RECOGNITION SYSTEM	MD IMRAN, Abishek Poddar, Anand Kumar, Jitendra Kumar Thakur	Excel Engineering College, Namakkal
45	ISTEMS23157	Computer Science and Engineering	Amazon Clone Using REACT	Mutum Robert, Ningombam Chingkheinganba Vishal Bhandari , Rahul Haobijam	Excel Engineering College, Namakkal
46	ISTEM523158	Computer Science and Engineering	REACT FIREBASE SOCIAL MEDIA WEB APPLICATION		Excel Engineering College, Namakkal

47	ISTEMS23159	Computer Science and Engineering	ONLINE CYBERSECURITY FIRMWARE FOR MALWARE DETECTION USING TRANSFORMER LEARNING	Pooja V ,Priyadharshini M ,Sumitha A ,Vinothini S	Excel Engineering College, Namakka
48	ISTEMS23176	Electrical and Electronics Engineering	IMPLEMENTATION OF HORIZONTAL AXIAL WIND TURBINE BASED DYNAMIC VOLTAGE RESTORER USING FUZZY INTERFACE SYSTEM	SOUNTHARARAJAN A,DANISH AHMAD, THENMOZHI.K,UMASANKAR P	Excel college of Engineering and Technology.
49	ISTEMS23177	Electrical and Electronics Engineering	SMART ENERGY ENHANCEMENT MONITORING AND CONTROLLING'USING IOT	Balaji V, Md sarfaraj ansari, Praveen Kumar S, Sakthivel C	Excel college of Engineering and Technology.
50	ISTEMS23178	Electrical and Electronics Engineering	AN IMPROVED ALGORITHM FOR PWM BASED PREDICTIVE CONTROL OF DC-DC CONVERTER	SURYA K, Pranav.p.nair, Kaviyarasan D	Excel college of Engineering and Technology
51	ISTEMS23188	Civil Engineering	An Experimental Investigation of Coconut Shell Building Concrete	S.M. Sakthivel , Glory Gifta K , Anjali R , Selleeswari M	Excel Engineering College
52	ISTEM523190	Civil Engineering	EXPERIMENTAL INVESTIGATION ON STRENGHT AND ANALYSIS OF BASALT FIBER IN CONCRETE	RUPESH KUMAR PRAKASH , DHEERAJ KUMAR , GIFTIN JAMES PRAVEENKUMAR P	Excel Engineering College

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53	ISTEMS23191	Civil Engineering	AN EXPERIMANTAL INVESTIGATION OF CONCRETE WITH PLASTIC WASTE	MINTU KUMAR , VISHWAS KUMAR SINGH , SRIPRIYA L, MOHAMMAD ABDUL SHAMIL P E	Excel Engineering College
54	ISTEMIS23192	Civil Engineering	Experimental Study on Recycled Concrete Aggregates	Raghav kumar singh, Ujjwal kumar singh, Arun kumar M , Md. Muntasar	Excel Engineering College
55	ISTEMS23193	Civil Engineering	EXPERIMENTAL INVESTIGATION ON CONCRETE BY PARTIAL REPLACEMENT OF FINE AGGREGATE WITH CERAMIC TILE POWDER	Trishna Thatal ,Mukesh Kumar Yadav , Ashlin A ,Bharathi Dasan S	Excel Engineering College
56	ISTEMS23194	Civil Engineering	AN EXPERIMENTAL INVESTIGATION ON CO2ADSORPTION ZERO CEMENT CONCRETE WITH PARTIAL REPLACEMENT OF AGGREGATES	Rubel das L, Sanjeet Kumar, Prakash Kumar Chaudhary , Ritik Kumar Pandit	Excel Engineering College
57	ISTEM\$23195	Civil Engineering	Alkali Aggregate reaction in Dam Structures	MANJITA KUMARI YADAV,ANURAG MISHRAMD SHAHRUKH	Excel Engineering College
58	ISTEMS23196	Civil Engineering	EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES OF STEEL FIBRE REINFORCED CONCRETE	BIJAY KUMAR YADAV, AKASH KUMAR SAHAL MUHAHAMED ALI P.K ,MARVAN HYDER ALI	Excel Engineering College

9	ISTEMS23197	Civil Engineering	AN EXPERIMENTAL INVESTIGATION ON ROAD CONSTRUCTION BY UTILISING WASTE PLASTICS	saroj kumar das, Mukesh Chaudhary, Vishnu Kumar,Ayush Gajmer	Excel Engineering College
60	ISTEMS23198	Civil Engineering	Strength of Concrete containing Rubber as Partial Replacement of Coarse Aggregate	Sangeetha ,Umasakthee, Rakesh	Excel Engineering College
61	ISTEMS23199	Civil Engineering	EXPERIMENTAL INVESTIGATION ON MAKING NON LOAD BEARING FLY ASH BRICKS	Chandra Shekhar KC ,Binod Kumar, ThakurMD. Raghib Amit Sah	Excel Engineering College
62	ISTEMS23200	Civil Engineering		SHANMUGASUNDRAM, SARUNDOSS C, SANTHOSHKUMAR S M	Excel Engineering College
63	ISTEMS23201	Civil Engineering	EXPERIMENTAL INVESTIGATION ON CONCRETE AS A PARTIAL REPLACEMENT OF CEMENT WITH RICE HUSK ASH.	Bipin Choudhari, Akivika K Zhimomi, MA Intekhab Alam, Sairaghsvs C.E	Excel Engineering College
64	ISTEMS23202	Civil Engineering	EXPERIMENTAL INVESTIGATION ON SEISMIC RETROFITTING TECHNIQUES AND REHABILIATION OF STRUCTURES	Sathyanarayanan M	Excel Engineering College

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65	ISTEMS23203	Civil Engineering	BAGASSEE ASH FOR PARTIAL REPLACEMENT OF CEMENT IN CONCRETE.	SANJAY KUMAR S. VENISH NGANGOM. KAUSHIK BABU T. V. MOHAMMED SHIYAS.	Excel Engineering College
66	ISTEMS23204	Petrochemical Engineering		A.Meenakshi sundar,Akash.S, DheenadhayalanV, Siva.V	Excel Engineering College
67	ISTEMS23218	ME/MTECH		K P vishalakshi, Santhosh R	Excel engineering college
68	ISTEMS23219	ME/MTECH	PERFORMANCE IMPROVEMENT OF HEAT EXCHANGER BY USING HYBRID NANOFLUIDS	Dr. vinoth, K.Sebika	Excel engineering college
69	ISTEM523220	ME/MTECH	ANALYSIS OF CONVECTIVE HEAT TRANSFER ON HELICAL TUBE WITH TWISTED TAPE INSERT	VENKATESAN M,BALAJI B,	Excel engineering college
70	ISTEMS23222	ME/MTECH	EFFECT OF NANOFLUIDS IN A MODIFIED VACUUM SINGLE BASIN SOLAR STILL	M BALAJI, Dr N VENKATACHALAM	Excel engineering college
71	ISTEMS23223	ME/MTECH		Dr.N.Tamilselvan P.Karthick	Excel engineering college
72	ISTEMS23224	ME/MTECH		Dr.vinoth, surya	Excel engineering college
73	ISTEMS23225	ME/MTECH	PERFORMANCE AND EMISSION TEST ON NEEM SEED OIL BLENDED WITH DIESEL AS AN ALTERNATIVE FUEL IN CI ENGINE	THENMOZHI K	Excel engineering college

74	ISTEMS23226	ME/MTECH	PLANNING & DESIGNING OF MODIFIED WATER TREATMENT UNITS	AADHAM GHANI JABERLA ,Mr.S.M.SAKTHIVEL M.E.,	Excel engineering college
75	ISTEMS23227	ME/MTECH		MENAKA K, Chidambaram S Ramanathan Ganesan	Excel engineering college
76	ISTEM523228	ME/MTECH	Ammonia Nitrogen, Phosphorus, Electrochemical Cell, Electrode Material.	Sakthimurugan k, Mr. S. Arunkumar	Excel engineering college
77	ISTEMS23229	ME/MTECH	ENVIRONMENTAL IMPACT AND ASSESSMEMINT QUALITY TESTING ON WATER SAMPLES	M.keerthivarman,Mrs.N.Mythili M.E.,	Excel engineering college
78	ISTEMS23230	ME/MTECH	1	MUTHU KUMARI. T "Mr.K.SABARINATHAN	Excel engineering college
79	ISTEMS23231	ME/MTECH		JAGANDEEP, Dr. S. Shanmugasundaram, Dr. Arun kumar,G. Jagandeep	Excel engineering college
80	ISTEMS23232	ME/MTECH	NUMERICAL SIMULATION OF CONVECTIVE HEAT TRANSFER ON VERTICAL ALUMINIUM PLATE	TAMIZHARASAN B, VENKATESAN M TAMIZHARASAN B	Excel engineering college

81	ISTEMIS23233	ME/MTECH	PARTIAL REPLACEMENT OF COARSE AGGREGATE BY USING CRUSHED LATERITE STONES IN CONCRETE	Jaseem AC, Dr. P. LOGANATHAN	Excel engineering college
82	ISTEMS23234	ME/MTECH		Frijo Varghese ,Frijo Varghese Dr.S Shanmugasundaram	Excel engineering college
83	ISTEMS23235	MCA	COVID-19 GROWTH PREDICTION USING MULTIVARITE LONG AND SHORT TERM MEMORY	S.YOGESHWARA BALAJI	Excel engineering college
84	ISTEMS23236	мса	STOCK MARKET ANALYSE AND PREDICTION USING MACHINE LEARNING (RANDOM FOREST & HMM)	R. VANITHA	Excel engineering college
85	ISTEMS23237	Mechanical Engineering	IMPACT OF ROTATING WAVY TUBE HEAT EXCHANGER ON THE HEAT TRANSFER CHARACTERISTICS OF HYBRID NANO FLUID	P.ARJUN, AKHIL KUMAR, R. ARUN, GOKUL KRISHNA	Excel engineering college
86	ISTEMS23238	Mechanical Engineering	Wavy tube, Rotating tube, Hybrid nano fluid, Heat transfer rate	K.DEVA D.KATHIRVEL	Excel engineering college

87	ISTEMS23239	Mechanical Engineering	EVALUATION OF MACHINING BEHAVIOUR OF ALUMINIUM METAL MATRIX COMPOSITE (AI+SiC+Zn)	MEIPRAKASH C1, MUTHUVEL G2, RUBENDRA R3, SREE GOKULA KRISHNA A4	Excel engineering college
88	ISTEMS23240	Mechanical Engineering	ENHANCEMENT AND PERFORMANCE EVALUATION OF SOLAR DRYER WITH FORCED CONVECTION	SAMBATH KUMAR .M , SURYA.C	Excel engineering college
89	ISTEMS23241	Mechanical Engineering	DEVELOPMENT OF 360 DEGREE FIRE PROTECTION SYSTEM	ABINESH V1, MOHANA PRIYA P2, SARMA G3, SUNDHRASAMY S4	Excel engineering college
90	ISTEMS23242	Mechanical Engineering	DESIGN AND FABRICATION OF ELECTRIC BIKE	SOURAV MJ , MUHAMMED AMEEN , SHIBTAIN RAZA , VIDURSAN .M	Excel engineering college
91	ISTEMS23243	Mechanical Engineering	DESIGN AND DEVELOPMENT OF WEED REMOVER MACHINE FOR AGRICULTURE APPLICATIONS	MANIKANDAN S1, PRADEEP K2, SIVAKUMAR A3, VIJAY R4	Excel engineering college
92	ISTEMS23244	Mechanical Engineering	DESIGN AND ANALYSIS OF AERODYNAMIC BIKE FAIRING USING GLASS FIBER	Dr.A.KARTHIKEYAN , GOKUL S JEEVA.R LOGANAND . J MADHANRAJ.M	Excel engineering college

93	ISTEMS23245	Mechanical Engineering	EXPERIMENTAL STUDY OF PLATE TYPE HEAT EXCHANGER USING NON- NEWTONIAN FLUID	MOHAMED ANWARKHAN S. MOHAN R, NAVEENKUMAR A, SESHADRI T	Excel engineering college
94	ISTEMS23246	Mechanical Engineering	EXPERIMENTAL INVESTIGATION AND OPTIMIZATION OF PROCESS PARAMETER ON HIGH SPEED HARD TURNING USING D3 STEEL	R.BALAGANESH T.ARUN PANDIYAN P.B DILDAS GULSHAN KUMAR THAKUR	Excel engineering college
95	ISTEMS23247	Mechanical Engineering	EXPERIMENTAL INVESTIGATION ON CNC MACHINE TOOL FIXTURE DESIGN TO IMPROVE PRODUCTIVITY	S.DINAKAR,P.DINESH,V.GOPINATH,G.B OOPATHI	Excel engineering college
96	ISTEMS23248	Mechanical Engineering	PERFORMANCE STUDY OF OBLIQUE FINNED HEXAGONAL MINICHANNEL HEAT SINK USING HYBRID NANO FLUID	AAKASH DEEP SHAH, ANIL LAMSAL, JOTIN SHAH, AKASH.P	Excel engineering college

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97	ISTEMS23251	Mechanical Engineering	SIMULATION STUDIES ON GEOTHERMAL ENERGY BY USING VARIANT COILED AND SERPENTINE TUBES	Sandeep Babu	Excel Engineering College
98	ISTEMS23115	Mechanical Engineering	DESIGN AND FABRICATION OF SOLAR POWER ELECTRIC BICYCLE	N.Selva kumar	Excel Engineering College (Autonomous
99	ISTEMS23116	Mechanical Engineering	FABRICATION OF LOW COST ELECTRIC VEHICLE (TWO WHEELAR) FOR FUTURE TRANSPORTATION	Dr.A.Karthikeyan	Excel Engineering College (Autonomous
100	ISTEMS23117	Mechanical Engineering	PERFORMANCE ANALYSIS OF SPIRAL TYPE HEAT EXCHANGER FOR NON-NEWTONIAN FLUIDS	PRANAV PRASANNAN	Excel Engineering College (Autonomous)
101	ISTEMS23118	Mechanical Engineering	DESIGN AND - DEVELOPMENT OF COCONUT LEAVES SHRREDER MACHINE FOR AGRICULTURE APPLICATION	PRATHEESH.K	Excel Engineering College (Autonomous)

102	ISTEM\$23119	Mechanical Engineering	PERFORMANCE INVESTIGATION OF FOUR STROKE COMPRESSIONS IGNITION ENGINE WITH XTRAGREEN DIESEL	SAMIR AKHTAR	Excel Engineering College (Autonomous
103	ISTEMS23120	Mechanical Engineering	PERFORMANCE AND EMISSION TEST ON NEEM SEED OIL BLENDED WITH DIESEL AS AN ALTERNATIVE FUEL IN CI ENGINE	THENMOZHLK	Excel Engineering College (Autonomcus
104	ISTEMS23121	Mechanical Ergineering	PERFORMANCE ANALYSIS OF CONICAL COILED HEAT EXCHANGER	Mr.M. PRITHIVIRAJ	Excel Engineering College (Autonomous
105	ISTEMS23122	Mechanical Engineering	OPTIMIZATION OF MACHINING PARAMETERS FOR PRODUCTIVITY IMPROVEMENT IN VMC	DINAKARAN.P,HARI PRASATH.S,KALIRAJA.R KARTHIK.S	Excel Engineering College (Autonomous)
106	ISTEMS23123	Mechanical - Er gineering	NUMERICAL SIMULATION OF CONVECTIVE HEAT TRANSFER ON VERTICAL ALUMINIUM PLATE	VENKATESAN.M	Excel Engineering College (Autonomous)

Paper ID	Department	Paper Title	Authors	College name	<b>Evaluation Marks</b>
ISTEM523238	Mechanical Engineering	Improving The Freshwater Production From Tubular Solar Still Using Sensible Heat Storage Materials	S - Ajay Mathesh S. Akashmenan, M. Dinesh, S. Surya,	Arasu Engineeering College	
ISTEMS23239	Mechanical Engineering	Multipurpose Foldable Trolley	Abdul Rahman N , Mahmoodu Murshid Abdullah I , Sedhumadhavan P , Krishnaraj S ,Senthil Kumar R	Sri Sai Ram Engineering College	
ISTEMS23240	Mechanical Engineering	Analyzing The Mechanical And Electrical Characteristics Of Epoxy Composites With Carbon Filler	Gokulraj.P.Sabinath.S ,Seenuvasan.K, Vel Prabhakaran	Paavai Engineering Collage, Autonomous	
ISTEMS23241	Mechanical Engineering	Creation Of Multi Pulley Bicycle For Increased Performance	K.Sham	Paavai Engineering Collage, Autonomous	
ISTEMS23242	Mechanical Engineering	Design And Fabrication Of Cold Chamber Die Casting Machine	P. Lingeswaran Ap/ Mechkarthik M Ranjith M Vignesh A	Shree Venkateswara Hi-Tech Engineering College	
ISTEMS23243	Mechanical Engineering	Investigation On Mechanical Properties Of Reinforced Epoxy Resin With Sawdust, Seashell And Rice Husk Composites	Sasikumar N , Revin S , Saran M K ,Dr.Raju K	M.Kumarasamy College Of Engineering	Le commente 2. philipa
ISTEMS23244	Mechanical Engineering	Optimizing Of Machining Parameters In Cnc Turning Of Mild Steel(Sae1018)	Anandharaj S,Abdul Kalam K,Ajay P	Kongunadu College Of Engineering And Technaology	
ISTEMS23245	Mechanical Engineering	Casting Design And Optimization For Flywheel By Using Casting Simulation	Prasanth M ,Prakash K Ranjith Kumar S Prasanth M	Paaval Engineering College	
ISTEMS23246	Mechanical Engineering	Performance Analysis Of Solar Air Dryer Using Flat Gi Sheet As Absorber For Drying Applications	Aakash M , Kona Deepika 1, Navin A , Pradeep R , M. Suresh	Adhiyamaan College Of Engineering	

ISTEM523247	Mechanical Engineering	Advanced Counter Moulding Machine	Naveen D K, Prajwal S, Arjun S, Tinesh M	Adhiyamaan College Of Engineering	Recommended 1.10. hujt
ISTEMS23248	Mechanical Engineering	Design And Development Of Paper Recycling Machine	Rajaganapathi M, P. Lokeshwaran S. Piradep B. Praveen Kumar	Paavai Engineering College	Ke commence 2 Annual Ke commence 1. E. Bupa 2. Annual 2. Annual
ISTEMS23249	Mechanical Engineering	Analysis Of Machining Peformance Of Magnesium Alloy	Kavin S Baskar D Devaram S , Dineshkumar M	Kongunadu College Of Engineering And Technology	
ISTEMS23250	Mechanical Engineering	Impact Of Rotating Wavy Tube Heat Exchanger On The Heat Transfer Characteristics Of Hybrid Nano Fluid	P.Arjun, Akhil Kumar, R. Arun, Gokul Krishna	Excel Engineering College	
ISTEMS23251	Mechanical Engineering	Wavy Tube, Rotating Tube, Hybrid Nano Fluid, Heat Transfer Rate	K.Deva D.Kathirvel	Excel Engineering College	
ISTEMS23252	Mechanical Engineering	Evaluation Of Machining Behaviour Of Aluminium Metal Matrix Composite (Al+Sic+Zn)	Meiprakash C1, Muthuvel G2, Rubendra R3, Sree Gokula Krishna A4	Excel Engineering College	
ISTEMS23253	Mechanical Engineering	Enhancement And Performance Evaluation Of Solar Dryer With Forced Convection	Sambath Kumar .M , Surya.C	Excel Engineering College	
ISTEMS23254	Mechanical Engineering	Development Of 360 Degree Fire Protection System	Abinesh V1, Mohana Priya P2, Sarma G3, Sundhrasamy S4	Excel Engineering College	
ISTEMS23255	Mechanical Engineering	Design And Fabrication Of Electric Bike	Sourav Mj , Muhammed Ameen , Shibtain Raza , Vidursan .M	Excel Engineering College	

TWOEPOSiects recommended for Best Papers award. 1. K. Bupaty (Br. K. Boopson) 2. Ammy grings (K. ARUL KUMAR)

ISTEM523256	Mechanical Engineering	Design And Development Of Weed Remover Machine For Agriculture Applications	Manikandan S1, Pradeep K2, Sivakumar A3, Vijay R4	Excel Engineering College
ISTEMS23257	Mechanical Engineering	Design And Analysis Of Aerodynamic Bike Fairing Using Glass Fiber	Dr.A.Karthikeyan , Gokul.S Jeova.R Loganand , J Madhanraj.M	Excel Engineering College
ISTEM52325B	Mechanical Engineering	Experimental Study Of Plate Type Heat Exchanger Using Non- Newtonian Fluid	Mohamed Anwarkhan S, Mohan R, Naveenkumar A, Seshadri T	Excel Engineering College
ISTEMS23259	Mechanical Engineering	Experimental Investigation And Optimization Of Process Parameter On High Speed Hard Turning Using D3 Steel	HCBalaganesn T.Arun Pandiyan P.8 Dildas Gulshan Kumar Thakur	Excel Engineering College
ISTEMS23260	Mechanical Engineering	Experimental Investigation On Chc Machine Tool Fixture Design To Improve Productivity	S.Dinakar, P.Dinesh, V.Gopinath, G.Boo pathi	Excel Engineering College
ISTEM523261	Mechanical Engineering	Performance Study Of Oblique Finned Hexagonal Minichannel Heat Sink Using Hybrid Nano Fluid	Aakash Deep Shah, Anil Lamsal, Jotin Shah, Akash P	Excel Engineering College
ISTEM523262	Mechanical Engineering	Analysis Of Machining Parameters On Turning Of Magnesium Alloy Coated Carbide Inserts	Ravikumar N,Harikrishnan M. Guna J Dhanish Babu V	Kongunadu College Of Engineering And Technology
ISTEMS23263	Mechanical Engineering	Performance Study On Solar Air Dryer Enhanced With Galvanised Corrugated Roof Metal Sheet	Hariharan R ,Annamalairaja P Karthik Mansing S Salaman Rajan T	Adhiyamman College Of Engineering
ISTEM523264	Mechanical Engineering	Simulation Studies On Geothermal Energy By Using Variant Colled And Serpentine Tubes	Sandeep Babu	Excel Engineering College

ISTEMS23265	Mechanical Engineering	Design And Fabrication Of Solar Power Electric Bicycle	N.Selva Kumar	Excel Engineering College (Autonomous)	
ISTEMS23266	Mechanical Engineering	Fabrication Of Low Cost Electric Vehicle (Two Wheelar) For Future Transportation	Dr.A.Karthikeyan	Excel Engineering College (Autonomous)	
ISTEMS23267	Mechanical Engineering	Performance Analysis Of Spiral Type Heat Exchanger For Non- Newtonian Fluids	Pranav Prasannan	Excel Engineering College (Autonomous)	
ISTEM523268	Mechanical Engineering	Design And Development Of Coconut Leaves Shrreder Machine For Agriculture Application	Pratheesh.K	Excel Engineering College (Autonomous)	
ISTEMS23269	Mechanical Engineering	Performance Investigation Of Four Stroke Compressions Ignition Engine With Xtragreen Diesel	Samir Akhtar	Excel Engineering College (Autonomous)	
ISTEMS23270	Mechanical Engineering	Performance And Emission Test On Neem Seed Oil Blended With Diesel As An Alternative Fuel In Ci Engine	Thenmozhi.K	Excel Engineering College (Autonomous)	
ISTEMS23271	Mechanical Engineering	Conical Coiled Heat	Mr.M.Prithiviraj	Excel Engineering College (Autonomous)	
ISTEM523272	Mechanical Engineering	Optimization Of Machining Parameters For Productivity Improvement in Vmc	Dinakaran.P,Hari Prasath.S,Kaliraja.R Karthik.S	Excel Engineering College (Autonomous)	
ISTEM523273	Mechanical Engineering	Numerical Simulation Of Convective Heat Transfer On	Venkatesan.M	Excel Engineering College (Autonomous)	





# **Engineering College** (Autonomous)

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# Certificate of Appreciation

This is to Certify that

Mr./Mrs/Ms...

has presented and received "Best Award" for the paper

in National Conference "Innovative Smart Technologies in Engineering

and Management Sciences- I- STEMS"

organised by Excel Engineering College (Autonomous) on

06th April 2023

Dr.N.Natarajan Convener Head - Mechanical



Principal

Excel Engineering Colleg

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Approved by AICTE, New Delhi & Affiliated to Anna University, Chennal Sponsored by SRET - Sri Rengaswamy Educational Trust, Komarapalayam Accredited by NBA (AERO, MECH, CSE & ECE) NAAC (A\* Grade - 3.25) and Recognized by UGC (2f & 128)

10th March 2023

Chief Patrons

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Respected Sir/ Madam,

Sub: Invitation for the National Conference on "Innovative Smart Technologies in Engineering and Management Science" (I-STEMS 2023) – Reg.

Excel Engineering College (Autonomous), Namakkal is organizing a National Conference on "Innovative Smart Technologies in Engineering and Management Sciences" (I-STEMS 2023) on April 6, 2023. The main focus of the I-STEMS 2023 is to bridge the gap between the academic institutions, research organizations and industries. In particular, this event will provide unique opportunities for researchers to share their knowledge and encourage collaboration.

In this regards, we hereby Invite Faculty Members, Research Scholars and Students of your institute to participate in this event. We request you to kindly display the enclosed conference brochure in the notice board for maximum visibility to the interested participants.

Thank You,

Yours Sincerely,



PRINCIPAL EXCEL ENGINEERING COLLEGE (AUTONOMOUS) KOMARAPALAYAM

NH-544, Salem Main Road, Pollakkapoloyam, Sankari West Post, Komaropoloyam Taluk, Namakkal District - 637303, Tamil Nadu, INDIA, Mobile: +91 99656 41888, 96262 38999, E-mail: principaleec@excelcolleges.com, info@excelcolleges.com, Web: www.excelinstitutions.com

Excellence in Professional Education

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Program Coordinators: Dr.R.Vinoth,ASP/Mech/EEC Dr.N.Tamilselvan, ASP/Mech/EEC

#### Submitted to the Principal

#### Date: 03.03.2023

Respected Sir,

Sub: Seeking Permission to Conduct a National Conference and request for Preliminary expenses- reg.

It is planned to organize a National Conference on "Innovative Smart Technologies in Engineering and Management Science" (I-STEMS) on 6th April, 2023. In this connection, we seek

your kind permission to conduct the conference in an effective manner.

To perform the preliminary expenses for the following items are required

S.No	Items	Expenses	Remarks
1	Brochure Printing charges (A3 Size- 50*50)	2500	
2	Postal expenses DRO	2000	
3	Miscellaneous expenses	500	
	Total expenses	5000	

It is requested that the above amount may please be sanctioned and issued for the smooth conduct of the conference.

D Full budger, will be Jubriciand 08/03/20. Jubriciand 08/03/20. () Now No. 5000/2 may an advance to mme Coordinaton **Executive Director** Vice-Chairman 02/03/23

#### EXCEL ENGINEERING COLLEGE (Autonomous) ed by AICTE, New Delhi & Affiliated to Anna University, Chennai Accre (AERO,CSE,ECE,MECH), NAAC with "A\*" and Recognised by UGC (2f &12B) KOMARAPALAYAM - 637303

#### NATIONAL CONFERENCE ON "I-STEMS 2023"

#### COMMITTEES

Date: 29.03.2023

Convener : Dr. N.Natarajan,, HOD/ Mech	Coordinators	:	Dr. R.Vinoth, ASP/Mech
			Dr. N.Tamilselvan, ASP/Mech

Date of Event: 6th, April 2023

#### ROLES & RESPONSIBILITY

SI. No.	Name of the Committee	Responsibility	Roles
1.	Reception Committee	HOD/ FOOD	<ul> <li>a. Arranging the reception desk</li> <li>b. Rangoli in the entrance</li> <li>c. Volunteers in the reception desk</li> </ul>
2.	Budget & Registration	HOD/ MECH	<ul> <li>a. Collecting the budget form each committee</li> <li>b. Settling the budget</li> <li>c. Registration process for Ext &amp; Int participants</li> </ul>
3.	Invitation Committee	HOD/ AERO	<ul> <li>a. Design and printing of Invitation</li> <li>b. Distribution of invitation to the respective Principal</li> <li>c. ID cards</li> </ul>
4.	Stage Committee	HOD/ PCT/BME	<ul> <li>a. Back drop design and erection on stage</li> <li>b. Stage chairs &amp; tables (with cloth covered) with name plates</li> <li>c. Printing the agenda and arrange on the table</li> <li>d. Shawl and memento to the Guest</li> </ul>
5.	Guest Committee	S&F	<ul> <li>a. Receiving the Guest at the entrance</li> <li>b. Arranging snacks, Tea and lunch to the guest along</li> <li>c. Taking the guest to the auditorium along</li> </ul>
6.	MOC Committee	English Dept/ EEC	<ul> <li>a. Preparing the agenda</li> <li>b. Identifying the MOC team &amp; Desk</li> <li>c. Arranging the MIC for MOC</li> </ul>
7.	Seating & Discipline Committee	HOD/ CIVIL & AGRI	<ul> <li>a. Arrange the chairs according to the plan</li> <li>b. Maintaining the discipline inside the hall</li> <li>c. Clean the auditorium using supervisors</li> </ul>
8.	Food Committee	HOD/ MECH	<ul> <li>a. Ensure the water distribution point outside the auditorium with volunteers</li> <li>b. Ensure the timely arrival of lunch</li> <li>c. Ensure the even distribution of lunch to students through students and staff volunteers</li> </ul>
9.	Press & Media	HOD/ IT & PRO	a. Giving advertisement and news to the local newspapers

	Certificate committee	HOD/ CSE/AIDS	<ul> <li>a. Design and printing of certificate</li> <li>b. Collecting the conference papers and scrutinize the winner with a department level committee</li> <li>c. Prepare the best paper of the department (one from each department)</li> <li>d. Preparation for Medals and Certificates</li> </ul>
10.	Generator & Audio system	HOD/ EEE	<ul> <li>Make arrangement of generator and audio system</li> <li>Podium with MIC</li> </ul>
11.	Event organization Committee	I-STEMS Committee Members	<ul> <li>a. Conducting the paper presentation session using committee &amp; identifying the winners using judges</li> <li>b. Consolidating the results and submitted to the prize committee</li> <li>c. Scheduling the time and duration for each department</li> </ul>

#### I-STEMS Committee Members

S.No	I-STEMS 2023 committee Members:		
1	Dr.K.Boopathy ASP/Mech		
2	Dr.N.Venkatachalam ASP/Mech		
3	Mr.M.Sambathkumar, AP/Mech		
4	Mr. V.karthikeyan AP/Mech		
5	Dr. Gowtham ASP/Aero		
6	Mr.G.Velmurugan, AP/Aero		
7	Mr.S.Saravanakumar AP/S&F		
8	Dr. Visalachi ASP/Civil		
9	Dr.P.Loganathan ASP/Civil		
10	Mr.M.P.Murugesan, Asp/Food		
11	Dr.S.Gunasekaran, ASP/EEE		
12	Dr.G.Jagajothi, Professor/ECE		
13	Mr.Manoj Prabhu, AP/Agri		
14	Mr.Sureshkumar, AP/CSE		
15	Mr.Kalpana, AP/CSE		

#### Coordinator

Convener

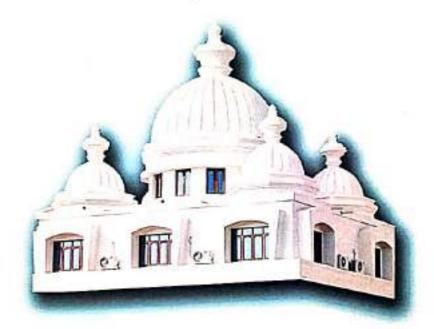
## Principal

**Proceedings of National Conference** 

# **INNOVATIVE SMART TECHNOLOGIES IN ENGINEERING AND MANAGEMENT SCIENCES**



## 06th April 2023



Organised by



### ENGINEERING COLLEGE (AUTONOMOUS)

in presented by AICTE, New Delhi; Affiliated to Anna University, Chennai) Accessibled by NBA (Aero, CSE, ECE & Mech) and NAAC with "A+", Grade) Komarapalayam 637 303 Namakkal Dt,

> Cheif Editor Dr.N.Natarajan

Editors Dr. R. Vinoth Dr.N.Tamilselvan Mr.M.Sambathkumar Mr.V.Karthikeyan

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## About the College

Excel Engineering College established during 2007 is a NAAC A+ grade-accredited institution which offers various Undergraduate and Postgraduate-Degree programmes in Engineering and Technology. Aeronautical Engineering, Mechanical Engineering, Computer Science & Engineering and Electronics & Communication Engineering are accredited by National Board of Accreditation (NBA). The college is conferred with autonomous status for all the programmes during the academic year 2020-2021

#### About the Conference

1-STEMS 2023 is primarily aims to provide a common platform for Academicians, Industry Personnel, Research Scholars, Students to interact and share their knowledge and innovative ideas about the innovative Smart Technologies in various fields of engineering and management science. The Delegates and participants will be benefitted by the knowledge dissemination by the experts from leading institutions, research organizations and industries in various fields of engineering and management science. The conference will provide pragmatic inputs to pioncers in scientific and engineering community.





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