



K.S.R. COLLEGE OF ENGINEERING

(An Autonomous Institution)

Tiruchengode, Tamil Nadu - 637 215.

ORGANIZED BY

DEPARTMENT OF MECHANICAL ENGINEERING

GUEST LECTURE PROGRAMME

ACADEMIC YEAR 2019 - 2020

**TITLE: Guest Lecture Programme on “Role of Electronics and Software
in Automotive Advancements”**

Dr. A.V. BALAN M.E., Ph.D.
Professor & Head
Department of Mechanical Engineering,
K.S.R. College of Engineering,
Tiruchengode, Tamil Nadu.



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One Day Guest Lecture Programme on “Role of Electronics and Software in Automotive Advancements”

Department of Mechanical Engineering

Academic year : 2018-2019

Date : 29.02.2020

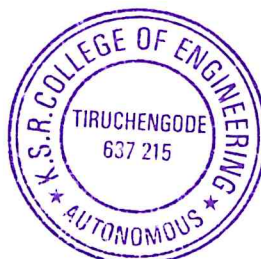
Profile of the Resource Person:

Profile of the Resource Person:

Mr.T.Kasiraja Studied Bachelor's Degree, of Electrical and Electronics Engineering at Sri Ramakrishna Engineering College during the year of 1998 – 2002. He was obtained Master of Business Administration from Anna University during the year of 2009-2011.. Since 2006 he worked in Visteon Corporation. Presently he working as a Software Engineering Manager. He also a active volunteer member in SAE.

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REPORT ON ONE DAY GUEST LECTURE PROGRAMME ON ROLE OF ELECTRONICS AND SOFTWARE IN AUTOMOTIVE ADVANCEMENTS

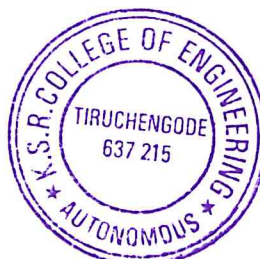
In K.S.R. College of Engineering, Department of Mechanical Engineering contacted one day guest lecture programme on **Role of Electronics and Software in Automotive Advancements**. The programme was presided over by our Founder Chairman Lion. Dr. K.S.Rangasamy, MJF., Chairman cum Managing Trustee, Aarthi Educational and Charitable Trust Mr. R.Srinivasan, B.B.M., Our Principal Dr. P.Senthilkumar.

The Technical Talk was attended by 100 student members. Before the technical talk, the SAE student chapter of the institution was done By Mr.T.Kasiraja .

The technical session covers **Role of Electronics and Software in Automotive Advancements** that are used in various types of applications in Automobile industries. Mr. Kasiraja.T delivered a guest lecture about how to become an entrepreneur in Electric Vehicle field and scope of the same. These detailed and informative presentations on applications are very useful to participants.

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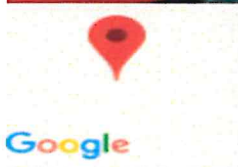
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DEPARTMENT OF MECHANICAL ENGINEERING

TITLE: Guest Lecture Programme on “Role of Electronics and Software in Automotive Advancements”



K.S.R.College of Engineering, Namakkal, Tamil Nadu, India
9R4G+MJM, Tiruchengodu, Tamil Nadu 637215, India
Long 77.826521°
Lat 11.356683°
29/2/2020 09:53 AM

Date : 29.02.2020

Venue: Mechanical Conference Hall




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SAEINDIA
SOUTHERN SECTION
ERODE DIVISION

Dr. P. Navaneethakrishnan Dr. M. Easwaramoorthi Dr. K. Visagavel
Chairman/SAEISS-ED Secretary/SAEISS-ED Treasurer/SAEISS-ED

Circular Letter No.: 2019-20/FEB/20 (12)

Date: 27.02.2020

LECTURE MEETING

SAEISS Erode Division is organizing a Lecture meeting at the following venue.

Date & Time	Speaker	Venue
29.02.2020 SAT 10:00 AM	Mr. T. Kasiraja Engineering Manager, Visteon Technical and Services Centre Pvt., Ltd., Chennai Organized by: Dept. of Mechanical Engineering K.S.R. College of Engineering Tiruchengode, KSR Kalvi Nagar, Tamil Nadu 637215	Mechanical Conference Hall K.S.R. College of Engineering, Tiruchengode.
Title: "Role of Electronics and Software in Automotive Advancements"		

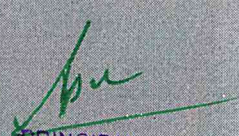
All the student & faculty members are requested to attend the meeting and participate in the discussion.

Dr. P. Navaneethakrishnan
Chairman/SAEISS-ED
Prof. & Head- Mechanical Engg.
Kongu Engineering College (Autonomous),
Perundurai,
Erode - 638 060

Dr. M. Easwaramoorthi
Secretary/SAEISS-ED
Prof. & Dean, Mechanical Engg.
Nandha Engineering College
(Autonomous),
Perundurai,
Erode - 638 052

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Lecture Meeting Report

Name of the event: LECTURE MEETING

Speaker: Mr.T.KASIRAJA

Date: 29.02.2020

Timings: 9.30AM TO 12.15.PM

Venue: MECHANICAL CONFERENCE HALL,
K.S.R COLLEGE OF ENGINEERING

No of Participants: Professional: 05
Students :100

Description [Max 100 words]

SAEINDIA Southern Section Erode Division organized Lecture Meeting program on "Role of Electronics and Software in Automotive Advancements" on 29th FEB 2020, SATURDAY at K.S.R College of Engineering, Tiruchengode.

Speaker: Mr. T. Kasiraja Engineering Manager in Visteon Technical and Services Centre Pvt Ltd,

Dr. N.Shivasankaran Head of the Department / K.S.R College of Engineering welcomed all the participants of the lecture meeting and introduced the speaker.

Dr. P.SenthilKumar, Principal, K.S.R College of Engineering welcomed all the participants and introduced about the topic and handed over the session for his lecture.

Key take aways:

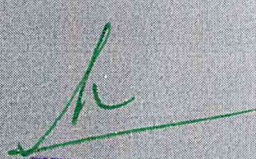
1. Things gone right:

- ✓ Car manufacturers all over the globe are using artificial intelligence in just about every aspect of the car making process.
- ✓ AI can be witnesses working its magic through robots putting together the preliminary nuts and bolts of a vehicle
- ✓ In an autonomous car using machine learning
- ✓ Vision to safely make its way through traffic.

2. Things for improvement:

- ✓ Need extend timing with student interactions.
- ✓ Lecture may be conducted in two sessions.
- ✓ Industrial visit in this related topic.
- ✓ Time management is needed
- ✓ More explanation may be given.
- ✓ Can conduct workshop on electronics and software
- ✓ Enough Time should be taken.
- ✓ Time provided is short, so maximum time to deliver may be given.




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3. Proposed action plan

- ✓ Two days program with industrial visit may be given,
- ✓ Weekend / holiday lecture meeting will be useful.

Feedback:

1. Number of feedbacks received : 92

2. Key observations

- In the next decade, the automotive industry will face a enormity of change that has not been in a century.
- This change will be driven primarily by four mutually reinforcing trends
 - ❖ Autonomous,
 - ❖ Connected,
 - ❖ Electric, and
 - ❖ Shared (ACES) vehicles.
- These will result in different user behaviours and mobility preferences, shifting value pools, innovative business models, and new entrants into automotive.

3. Can this topic be considered for other longer workshop/programs

[Participants feedback]

YES: 62

NO:30

4. Can this presenter be considered for other longer workshops/programs


[Participants feedback]

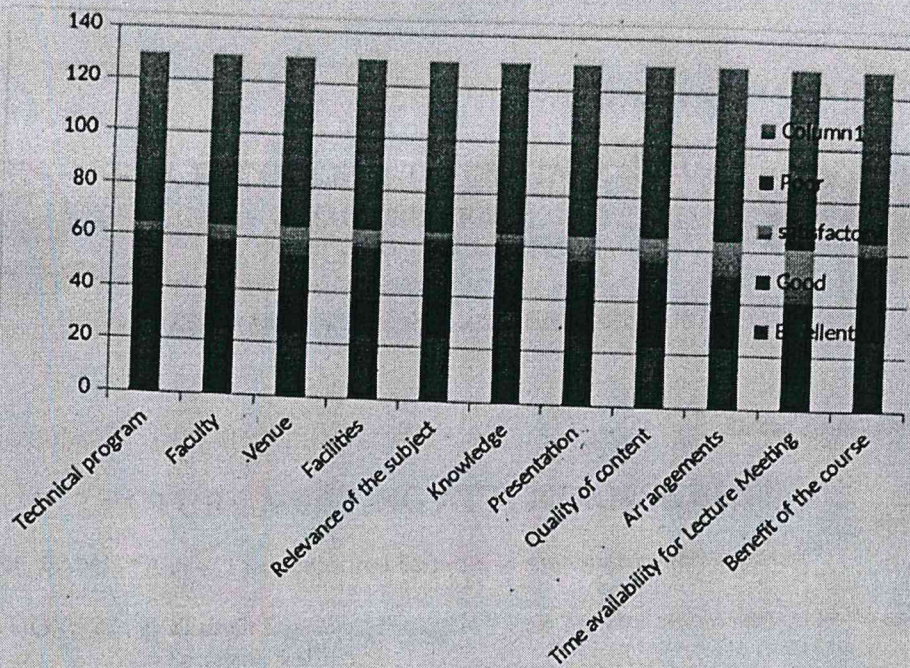
YES: 71

NO:21

CHART





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PREPARED BY
S.DURAI




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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 29.02.2020

LECTURE MEETING ATTENDANCE SHEET

TOPIC NAME: "Role of Electronics and Software in Automotive Advancements"

SPEAKER: Mr. T. Kasiraja Engineering Manager in Visteon Technical and Services Centre Pvt Ltd,
Joint Secretary, SAEISS

SL.NO	REG.NO	STUDENT NAME	SIGNATURE
1.	1816029	V. VISHNU RAN	V. Vishnu
2.	1816028	T. VIGNESH	T. Vignesh
3.	1816006	G. S. Gokulakrishnan	G. S. Gokulakrishnan
4.	1816016	D. DOBAZHENTHI	D. Dobazhenti
5.	1816540	L. SANJAI	L. Sanjai
6.	1816553	R. VISHNU	R. Vishnu
7.	1816025	M. RIZATH KUMAR	M. Rizath Kumar
8.	1616137	K. VETHANAYAGAM	K. Vethanayagam
9.	1616127	S. S. S. S. S. S.	S. S. S. S. S.
10.	1616125	C. SURYA	C. Surya
11.	1616556	C. VISHNU	C. Vishnu
12.	1616545	N. SUGUMAN	N. Suguman
13.	1616129	S. TANDISELVAN	S. Tandiselvan
14.	1616131	P. THAMARASELVAN	P. Thamaraselvan
15.	1616551	B. TANIZHARASAN	B. Tanizharasan
16.	1616541	M. J. SATHIYANCOORTHY	M. J. Sathiyancoorthy
17.	1616132	T. THOMAS	T. Thomas
18.	1616552	V. THULASITHARA THALAPATHI	V. Thulasithara Thalapati
19.	1816508	R. ELANGO	R. Elango
20.	1816502	S. ADARINATH KUMAR	S. Adarinath Kumar
21.	1816541	A. SANTOSH	A. Santosh



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22.	1816510	N. Gowtham	N. Gowtham
23.	1816545	M. Suganthan	M. Suganthan
24.	1816546	K. TAMILARASAN	K. TAMILARASAN
25.	1816519	I.e. KALIVARASAN	I.e. KALIVARASAN
26.	1816527	G. NANDAKUMAR	G. NANDAKUMAR
27.	1816015	S. Praveen Kumar	S. Praveen Kumar
28.	1816026	S. Udhaya Kumar	S. Udhaya Kumar
29.	1616096	Rohith. V. R.	Rohith. V. R.
30.	1616095	E. Rajitha	E. Rajitha
31.	1616117	M. SHANMUGAN	M. SHANMUGAN
32.	1616120	T. SIVA	T. SIVA
33.	1616098	L. Sabarish	L. Sabarish
34.	1616119	A. Gyan Kumar	A. Gyan Kumar
35.	1616114	R. Sathish Kumar	R. Sathish Kumar
36.	1616096	S. Ganesh Kumar	S. Ganesh Kumar
37.	1616115	D. Balakrishnan	D. Balakrishnan
38.	1616142	S. S. S. S. S. S.	S. S. S. S. S. S.
39.	1616106	S. S. S. S. S. S.	S. S. S. S. S. S.
40.	1616105	M. Santhosh	M. Santhosh
41.	1616110	A. Sathish Kumar	A. Sathish Kumar
42.	1616123	N. Sathish Kumar	N. Sathish Kumar
43.	1616113	P. Sathish Kumar	P. Sathish Kumar
44.	1616111	R. Sathish Kumar	R. Sathish Kumar
45.	1616109	R. M. RANJAN	R. M. RANJAN
46.	1616121	SEJITH. K	SEJITH. K
47.	1816549	SATHIYADAJ. P	SATHIYADAJ. P
48.	1816543	J. SRIDHAR	J. SRIDHAR
49.	1816531	P. Pasupathi	P. Pasupathi



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50.	1716058	MANISH KUMAR R	M. Gopal
51.	1716082	R. Prabhu	R. Prabhu
52.	1816003	S. Shanmugan	S. Shanmugan
53.	1816094	R. VASANTH	R. Vasanth
54.	1816011	A.V. MANOT	A.V. Manot
55.	1816010	K. MAHENDRAN	K. Mahendran
56.	1816005	V. DINESH RAJA	V. Dinesh Raja
57.	1816013	S. NAVEEN KUMAR	S. Naveen Kumar
58.	1816027	V. STEEL	V. Steel
59.	1816009	R. KARTHIK	R. Karthik
60.	1816551	N. VIJAYAKUMAR	N. Vijayakumar
61.	1816511	S. HARI PRASAD	S. Hari Prasad
62.	1816538	P. SABARISHWARAN	P. Sabarishwaran
63.	1816532	R. PRABHU	R. Prabhu
64.	1816549	M. Venkatesh Pathi	M. Venkatesh Pathi
65.	1816014	R. PRASANTH	R. Prasant
66.	1816022	P. S. SHRIHAN	P. S. Shrihan
67.	1816019	P. SABARI	P. Sabari
68.	1816007	S. GOKULNATH	S. Gokulnath
69.	1816021	P. SANTHOSH	P. Santhosh
70.	1816004	D. HARAN KUMAR S	D. Haran Kumar S
71.	1816008	S. GOWTHAM	S. Gowtham
72.	1816012	M. MOHAN KUMAR	M. Mohan Kumar
73.	1816001	M. ARAVINDHAN	M. Aravindhan
74.	1816020	N. SANTHOSH	N. Santhosh
75.	1816017	R. RAJUL	R. Rajul
76.	1816018	R. RAJA VIGNESH	R. Raja Vignesh
77.	1816024	R. SATHISHAN	R. Sathishan



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78.	1816552	S. Vineet Kumar	S. Vineet Kumar
79.	1816548	P. M. Tony Allousius	P. M. Tony
80.	1816506	K. DINESH	K. Dinesh
81.	1816515	S. Srinivasan	S. Srinivasan
82.	1816528	Navin T.P.V.	Navin T.P.V.
83.	1816550	R. Venkatesan	R. Venkatesan
84.	1816554	M. K. Viji	M. K. Viji
85.	1816533	M. Pradeep	M. Pradeep
86.	1816539	S. Sabarishwaran	S. Sabarishwaran
87.	1816544	Sri Vathsan K.	Sri Vathsan K.
88.	1816509	K. Goutham	K. Goutham
89.	1816523	V. Krishnan	V. Krishnan
90.	1816505	R. Dharoni Raj	R. Dharoni Raj
91.	1816529	M. K. NAVEEN PRAVEN	M. K. NAVEEN
92.	1816535	S. Praseeth	S. Praseeth
93.	1816522	R. Kirubakaran	R. Kirubakaran
94.	1816524	B. S. K. NAVEEN PRAVEN	B. S. K. NAVEEN
95.	1816534	Prakashan	Prakashan
96.	1816507	C. Dhanan	C. Dhanan
97.	1816525	N. Manoj Kumar	N. Manoj Kumar
98.	1816080	T. N. V. Kumar	T. N. V. Kumar
99.	1816059	P. MEYARAJ	P. MEYARAJ
100.	1716043	R. Kavin	R. Kavin
101.	1716044	R. KAVYARAJ	R. KAVYARAJ

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