

# IEEE SB Inaugural Function

By

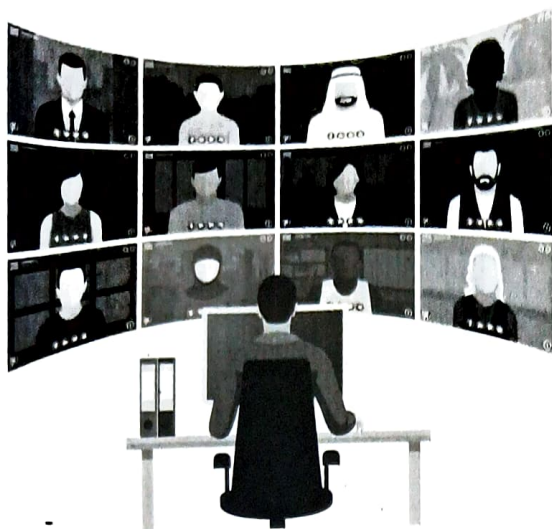
IEEE Student Branch-SVCE  
11-January-2022

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To: Hod-EEE  
Noted  
26  
4/4





# 2022 IEEE INAUGURAL

You are cordially invited for the  
Valedictory of the batch of 2020-21  
and Inaugural of the IEEE Student  
branch, SVCE for the year 2021-22.



## CHIEF GUEST

**JEBAS PAUL DANIEL**

Technical Staff Engineer  
Analog Design, Mixed  
Signal and Linear Division,  
Microchip India.

## IEEE STUDENT BRANCH CHAIRPERSON

Dr.KR.Santha, Vice Principal,  
HoD/EEE

## FACULTY CO-ORDINATORS

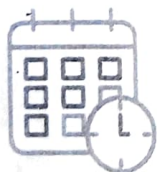
Dr.P.Jothilakshmi, Prof/ECE

Ms.S.Anitha, AP/EEE

Ms.C.Gomatheeswari Preethika, AP/ECE

## GUEST LECTURE ON

**AUTOMOBILE - AN ELECTRONICS PLAYGROUND**



**11 JANUARY 2022**  
**10.30 AM - 11.30 AM**



SCAN TO  
JOIN MEETING



# INAUGURAL AGENDA

TOPIC	TIME
Tamil Thai Vazhthu	10.30-10.35
Welcome address	10.35-10.40
Address by Hod EEE	10.40-10.45
Annual report	10.45-10.50
Valedictorians and new members introduction	10.50-10.58
Chief Guest intro	10.58-11.00
Guest Lecture Automobile - An electronics playground	11.00-11.30
Vote of thanks	11.30-11.35



11 JANUARY 2022  
10.30 AM - 11.30 AM





ANITHA S EEE &lt;sanitha@svce.ac.in&gt;

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**IEEE Student Branch - Inauguration for AY 2021-22**

1 message

Mon, Jan 10, 2022 at 4:43 PM

HOD EEE &lt;hodee@svce.ac.in&gt;

To: Principal SVCE &lt;principal@svce.ac.in&gt;, HODs Group &lt;hod@svce.ac.in&gt;, svcefaculty &lt;svcefaculty@svce.ac.in&gt;

Dear Sir/Madam,

On behalf of the IEEE Student Branch of SVCE, we are pleased to invite you all for the ONLINE Valedictory (AY 2020-2021) and Inauguration (AY 2021-2022) of the **"IEEE Student Branch"** on the 11<sup>th</sup> of January 2022 from 10:30 A.M to 11:30 AM.

The Google Meet link to join the event is : <https://meet.google.com/mmw-cqej-gfs?hs=224>

A copy of the invitation is attached herewith. ALL are cordially invited.

Thanks &amp; Regards,

Dr.KR.Santha,  
Vice Principal & HOD/EE  
SVCE



IEEEESB\_Inaugural\_2021-22.jpeg  
143K



**Chief guest : Mr. Jebas Paul Daniel**

**(Technical Staff Engineer - Analog Design, Mixed Signal and Linear Division,  
Microchip India.)**

Currently Mr. Jebas Paul Daniel works as a "Technical staff Analog design engineer" in Inductive Sensors Group, Microchip India. His total experience as an Analog design engineer is approximately 10.5 years. He lead a team to execute mixed signal ASIC Designs used in Automotive industry. His responsibilities are architectural selection & analysis, Design of analog blocks, Creating the models for top level AMS verification, guiding the layout engineers, handling EMIR and SOA checks, EMI/EMC simulations and the Design evaluation of chips in laboratory. All the products which he has worked on, are ready for sampling in the first tape-out itself. He has also designed various Analog IP's in different process nodes varies from 22nm FD-SOI to 350nm BCD Process during the course of his career. He has interacted with packaging team for fixing pad locations, PR boundary and choosing the package. Also, has a fair idea of ATE as he was helping them to develop their test environment. Occasionally, supported the WIFI group to design CMOS only Bias modules & Data Converters.

## Patents:

**Title: Voltage sensing mechanism to minimize short-to-ground current for low drop-out and bypass moderegulators**

Publication Number:

20180196453Patent Grant

Number: 10761549

**Title: SYSTEM AND METHOD FOR MONITORING ANALOG FRONT-END (AFE)  
CIRCUITRY OF AN INDUCTIVE POSITION SENSOR**

Application Number: 20027US02



## Projects:

Have involved in following inductive sensor IC designs,

1. LX813 - Custom ASIC for proximity sensor application.
2. LX3302 - Mixed Signal Generic ASIC for angular position sensor.
3. LX34070 - Analog AFE ASIC for resolver application.
4. LX58701 - Analog portion of CMOS FEM ASIC for WiFi

## Analog IP's:

1. Design of 12 Bit 320MHz Pipelined ADC in GF FD-SOI 22nm. 0.9V, -40 to 105 DegC, ENOB 10.8Bits @80MHz, INL & DNL +/-1 LSB, 30mW
2. Design of 12 Bit Pipelined+SAR combo ADC in XFAB XH018. 3.3V, -40 to 150 DegC, 2KHz input, throughput - 65KHz, 7mW
3. Design of 14 Bit 2nd order discrete-time Sigma Delta ADC in XFAB XH018. 1.8V, -40 to 150 DegC, 8 KHz input, 2mW
4. Design of 10 Bit 200MHz Current Steering DAC in TSMC 65nm. 0.3 LSB INL, 0.2 LSB DNL, glitch = 1.9 pV-s, SFDR 72dB@5MHz, 0 to 85DegC.
5. Design of 12 Bit 100MHz Pipelined ADC in TSMC 65nm Tech. 2 LSB INL, 1 LSB DNL, ENOB = 9.8Bits@10MHz, 0 to 85 DegC
6. 50 MHz PLL with current starved Ring Oscillator in TSMC 65nm Tech. 3.3V, phase noise - 100dBc@100KHz offset, 0 to 85 DegC.
7. 8 Bit 1.25 MSPS SAR ADC in TSMC 130nm Tech. 3.3V 0.5mW, 7.6 Bits ENOB @10KHz, 0 to 85DegC
8. Design of DC to DC Buck converter in TSMC 130nm Tech.  $V_{in} = 3.3V$ ,  $V_{out} = 2.5V$ ,  $I_{load} = 100mA$ , 90% efficiency,  $F_{sw} = 100KHz$ .

### Academics:

College Of Engineering, Anna University Chennai - M.E IN VLSI DESIGN Jun. 2009 - May. 2011

MEPCO Schlenk Engineering College Sivakasi B.E IN ELECTRONICS AND COMMUNICATION  
Jun. 2005 - May. 2009





SRI VENKATESWARA COLLEGE OF ENGINEERING  
FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT :

Name of the Speaker	Jebas Paul Daniel T
Designation	Technical Staff – Analog Design
Institution/University/Organisation	Microchip India Pvt Ltd
Mobile / E-mail	7204656123/jebaspauldaniel.daniel@microchip.com
Title of the Lecture	Automobile – An Electronics Playground
Date	11/01/2022
Time	10:30 AM
Venue	
Comments by the Speaker	<p>It was well organized. It was a nice opportunity to share the paradigm shift happening in the automobile industry with college graduates.</p>
Suggestions for improvement	
Signature of the Speaker	

Signature of Coordinator

Signature of HOD

REPORT ON  
INAUGURATION – IEEE SVCE

The Inaugural ceremony of the academic year by the **Institute of Electrical and Electronics Engineers (IEEE)** Student Branch of Sri Venkateswara College of Engineering was conducted on 11th January 2022. The event was conducted online through google meet and had about 100 participants and went on for an hour.

The Inaugural ceremony commenced with Tamil Thai Vazhthu. **Ms.Anushri M**, 3rd year EEE hosted the whole event. The Chief Guest, **Mr.Jebas Paul Daniel**, Technical Staff Engineer, Microchip India, was welcomed cordially by **Ms.Abinaya B**, Final Year ECE. Then the Assistant HOD of the EEE department, **Dr. Sudhakar K Bharatan**, addressed our honorable Chief guest. This was followed by the presentation of the Annual report of IEEE SVCE for the year 2020-2021 by **Dr.P.Jothilakshmi**, Prof/ECE Dept.

Then, the **Introduction for Valedictorians and New members** was given by **Ms.Anitha S**, Asst.Professor/EEE. **The past President and Secretary of IEEE SVCE** Student Chapter(2020-21), **Mr.Keshav E** and **Mr.Ronak K** congratulated the valedictorians and the new members. This was followed by an introductory speech of our Chief guest by **Mr.Adithyan M**, 3rd year EEE.

The Chief guest started his speech by thanking the people who facilitated him with this opportunity and gave a brief introduction of himself.

He gave a brief guest lecture on the topic '**Automobile - An electronics playground**'; he started his speech with a short note on different developing sectors and spoke about different approaches in Car manufacturing. It passed the participants a lot of information revolving around the role of electronics in the Automobile sector. Finally, he concluded his lecture by talking about the market trends and job opportunities in this sector. Then there was a questionnaire during which the participants cleared their doubts with the speaker.

This was followed by a vote of thanks by **Ms.Swetha G M**, Final year EEE.





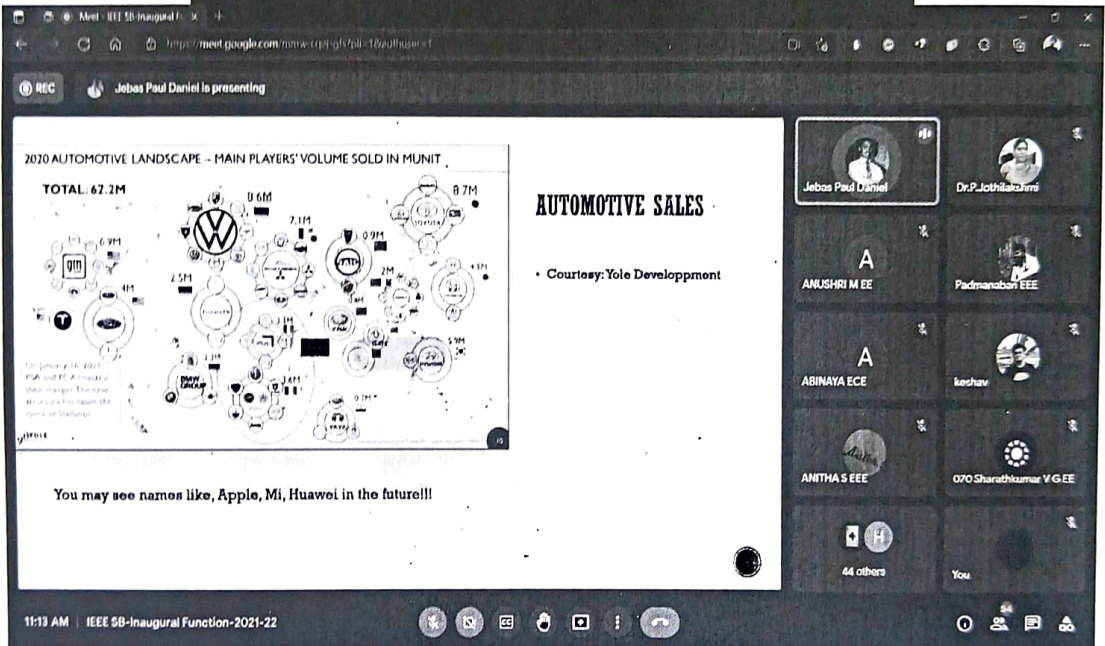
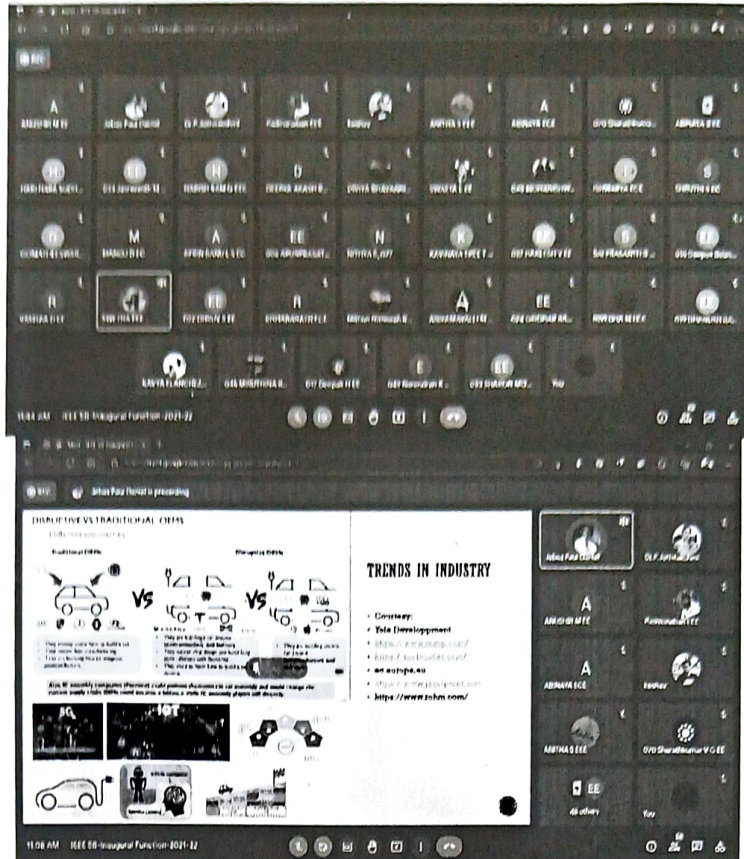
## GUEST LECTURE- AUTOMOBILE - AN ELECTRONICS PLAYGROUND

The Chief Guest, **Mr. Jebas Paul Daniel**, Technical Staff Engineer, Microchip India, gave a brief guest lecture on the theme, **Automobile - An electronics playground**. He started his speech with a short note on different developing sectors and spoke about different approaches in Car manufacturing. He started his lecture with the importance of Industrialization in this 21st Century which increased the **involvement of electronics** in the Assembling and Manufacturing sector. In his view, **Automation** in these processes is the main reason for the increase in the use of electronics. Since semiconductors play a vital role in electronics, he explained the job opportunities in the **Semiconductor industries** and also advised the students to join such companies for a better future. Then he briefed about the different approaches in the Automobile industry.

His speech continued with glimpses on other developing sectors related to the updating Automobile industry, such as 5G, IoT, Datacenter, E-vehicles, AI & ML, and Autonomous driving.

His main lecture had many essential pieces of information on the Automotive sector, such as Revenue slope in Semiconductor sales, Automotive sales & revenue Landscape, IC's, and Design signal flow. Some of his notable words were about Different technological trends in Automotive IC's and Analog Mixed-Signal Design Flow. Then he listed out the opportunities awaiting for the engineering graduates who are all interested in this field and guided the viewers on how to grab such opportunities based on their interest. Finally, he concluded his lecture by talking about the market trends. Then there was a questionnaire during which the participants cleared their doubts with the speaker.





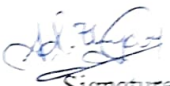
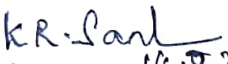

## LIST OF PARTICIPANTS

1. VIJAYANARATHY S	50. JAYAKRISHNA D N
2. DR P JOTHILAKSHMI	51. JIRIN M
3. KESHAV T	52. MIRUTHINA RASHMI S
4. GETHAP	53. MOHANISHWAR K
5. ADITYA U LAWKER	54. SHARON MONISHA P
6. MERIN HANU T S	55. ABINAYA B
7. AMRITA JOSNA B	56. ADIRAMAVALI M
8. DILPAK AKASH R A T	57. ADITHYAN M
9. DIVYA BHARATHI S	58. ANUSHRI M
10. GOKUL R	59. DINESH KUMAR P
11. MANOJ D	60. DIVYA BHAVAANI M B
12. NITHUN NITHI SHROGAN	61. HARIHARA SUDHAN P
13. SHRI KHA J	62. LATHISHKUMAR K M
14. SHRUTHI S	63. NIRMAL R
15. ABINAYA	64. RAMYAA D
16. AJAYKUMAR A J	65. SWAETA L
17. AKASH B	66. NARENDRAN K
18. ANISH KRISHNAN	67. SABARIESWARAN
19. ARAVIND M	68. ABHISHEK N
20. ARTHIYA N G	69. ANITHA S
21. ARUNACHALAM S	70. BADRATH S N
22. ASHISH S	71. CHANDIRAPRIYANK
23. BALAJI	72. DEEPAKRAJ N R
24. DEEPIKA	73. DEEPIKA DHAVAMOORTHY
25. DEEPIKA S	74. HARI ASHWIN S
26. DEREK ANTONY FERNANDO	75. HARISH RAM G
27. DIRAJ A	76. HEMARUPHAN S
28. GOGULAPRIYA A	77. INFANT VIMAL M
29. GOMATHIESWARI PREETHIKA C	78. JAIGANESH B
30. ISHWARYA	79. KAVINAYA SREE T
31. KANISH SURYA V	80. KEERTHISVAR S
32. MADHAVRAM	81. MANOCHANDAR C
33. MADHUMITHA V	82. MOHAMEDNOWFUL
34. NIVEDHA M	83. NAVEENKUMAR E
35. RISHABANATHI	84. NAWRAS AHAMED
36. SANTHOSH KUMAR P	85. PADMANABAN
37. AJAY ROHITH	86. RAMYA R
38. ARAVIND S	87. RONAK
39. ARUNPRASATH N	88. SAI PRASANTH B L
40. AUGUSTIN A	89. SARAVANAKUMAR
41. DEEPAK BALASUBRAMANIAN P	90. SOURISH S
42. DEEPAK H	91. SUDHAKAR K B
43. DHANUSH RAGAV P	92. SURUTHIGHA S K
44. DHIRUV S	93. SWETHA
45. GRIDHAR BABU S	94. KAVYA
46. HAREESH V	95. NITHYA
47. HIRTHIC KUMAR S	96. HARSHINI
48. JASHWANTH M V	97. GEETHA
49. JASSIM AHMED R	98. SHARATHKUMAR V





SRI VENKATESWARA COLLEGE OF ENGINEERING  
FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

Name of the Student	Adithyan . M)
Branch/Semester/Section/Roll No.	EEE / VI / B / 170601005
Industry/ Institution Visited	Rebinar
Duration of Training/ Course with date	2 Hours / Guest Lecture / Jan 11 <sup>th</sup> 2022
Plants visited during training	
Whether the training/Course was useful? In what way? Give reasons. The overview of automobile was very useful.	
Any other suggestions Hope more such events are organised	
 Signature	
Report and Copy of Certificate submitted.	
<div style="display: flex; justify-content: space-between;"><div> HOD 14.01.22</div><div> Faculty Incharge</div></div>	


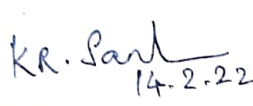
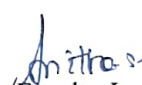
The person who has attended the course should prepare this in triplicate and submit copies to:  
**A2, A3 and Dept.**





## SRI VENKATESWARA COLLEGE OF ENGINEERING

## FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

Name of the Student	Dhanush Ragav. P
Branch Semester Section Roll No.	EEE / IV / A / 19
Industry/ Institution Visited	Webinar
Duration of Training/ Course with date	2 Hours / Guest lecture on (11 JAN 2022) Automobile
Plants visited during training	Nil
Whether the training Course was useful? In what way? Give reasons. The session enlightened all the participants about the innovation in automobile industry. -	
Any other suggestions It could be better if more informative and valuable sessions like this happens in offline mode. <div style="text-align: right;"> Signature</div>	
Report and Copy of Certificate submitted. <div style="display: flex; justify-content: space-between;"><div> 14.2.22 HOD</div><div> Faculty Incharge</div></div>	

The person who has attended the course should prepare this in triplicate and submit copies to:  
**A2, A3 and Dept.**



FT/GN/31A/00/10.06.15

## SRI VENKATESWARA COLLEGE OF ENGINEERING

## FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE


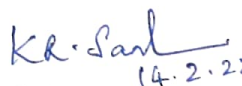

Name of the Student	S. DHARUV
Branch/Semester/Section/Roll No.	EEE / IV / A / 22
Industry/ Institution Visited	WEBINAR
Duration of Training/ Course with date	2 Hours / Guest lecture on Automobiles on Jan 11
Plants visited during training	NIL
Whether the training/Course was useful? In what way? Give reasons. The webinar was highly informative, and expanded our horizons in the field of automobiles.	
Any other suggestions <input checked="" type="checkbox"/> We wish that further seminars on these fields can be conducted offline <div style="text-align: right;">Signature</div>	
Report and Copy of Certificate submitted. <div style="display: flex; justify-content: space-between;"><div>K.R. Sarl HOD 14.2.22</div><div>Faculty Incharge</div></div>	

The person who has attended the course should prepare this in triplicate and submit copies to:  
**A2, A3 and Dept.**



FT/GN/31A/00/10.06.15

SRI VENKATESWARA COLLEGE OF ENGINEERING  
FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

Name of the Student	H. Deepak
Branch/Semester/Section/Roll No.	EEE - IV - A - 2121200601017
Industry/ Institution Visited	Webinar
Duration of Training/ Course with date	2 hrs / Guest Lecture / Jan 11 <sup>th</sup> - 2022
Plants visited during training	Nil.
Whether the training Course was useful? In what way? Give reasons. The training was useful, giving us many insights on automobiles and its future.	
Any other suggestions I hope this event could be conducted offline in the coming years. <div style="text-align: right;"> Signature</div>	
Report and Copy of Certificate submitted. <div style="display: flex; justify-content: space-between;"><div> HOD 14.2.22</div><div> Faculty Incharge</div></div>	

The person who has attended the course should prepare this in triplicate and submit copies to:  
**A2, A3 and Dept.**



SRI VENKATESWARA COLLEGE OF ENGINEERING  
FEEDBACK - INPLANT TRAINING SHORT TERM COURSE

Name of the Student	V. HAREESH
Branch Semester Section Roll No.	EEE/IV/A/27
Industry Institution Visited	WEBINAR
Duration of Training Course with date	2 HOURS / GUEST LECTURE ON AUTOMOBILE ON JAN 11 <sup>th</sup>
Plants visited during training	NIL
Whether the training/Course was useful? In what way? Give reasons. The Webinar was Very informative, it gave more technical knowledge about Automobile industry.	
Any other suggestions The speaker Jebas Paul Daniel did his best in explaining the need of the hour in automobile innovation. The mode of Seminar was online due to pandemic. It would be great if sessions like this happens in Offline mode in future V. Hareesh/ Signature	
Report and Copy of Certificate submitted.	
K.R. Sarl HOD 14.2.22	Faculty Incharge

The person who has attended the course should prepare this in triplicate and submit copies to:  
A2, A3 and Dept.