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News on Electrical Engineering

EV sales in India in 2022 record 210% growth, cross a million for the first time

2022, which has been a record year of sales for India Auto In across vehicle segments, also saw demand for electric vehicles soar to 999,949 units. Growing eco-consciousness among buyers, incentives and wider product choice will be the drivers of the future EV growth story.

ELECTRIC VEHICLE SALES IN INDIA		
Calendar Year	Units sold	% growth
2013	2,693	
2014	2,392	-11.12%
2015	7,772	224.95%
2016	49,065	531.22%
2017	86,120	75.52%
2018	1,27,576	48.13%
2019	1,63,459	28.12%
2020	1,21,654	-25.57%
2021	3,22,871	165.40%
2022	9,99,949	209.70%
Total EVs sold	18,83,551	

Data: Vahan

Department Events



Third year EEE students went to an industrial visit to Space Expo, Bengaluru on 07.09.2022



Department of EEE & IEEE Association
Organize

Guest Lecture on

"STATISTICAL PROCESS CONTROL IN INDUSTRY"

22.09.2022 :: 02.00 PM to 03.00 PM :: Mechanical Seminar HALL



Resource Person
RAGHUNATHA RAO GANATHE
Engineer - Supplier Development and Quality
ABB GLOBAL INDUSTRIES AND SERVICES PVT LIMITED
Bengaluru, Karnataka

Dr. S.R.R.Senthil Kumar
Principal, SCT

Dr.S.Padma
HOD/EEE

Dr.M.Gopila, AP/EEE,SCT
Dr.G.Suresh,IIC Convener, SCT

Dr.M.Panneerselvam, AP/EEE
IEEE Coordinator, SCT

On line Guest Lecture conducted on 22.09.2022 in Statistical Process Control in Industry by Mr. Raghunatha Rao Ganathe, Engineer-Supplier Development and Quality, ABB Global Industries and Services Pvt. Ltd., Bengaluru, India. 3rd year students are benefited in this event.



Department of EEE & IEEE Association

Organize

Webinar on

"GUT AND PSYCHOLOGY"

28.09.2022 :: 11.00 AM to 01.00 PM :: EDISON HALL



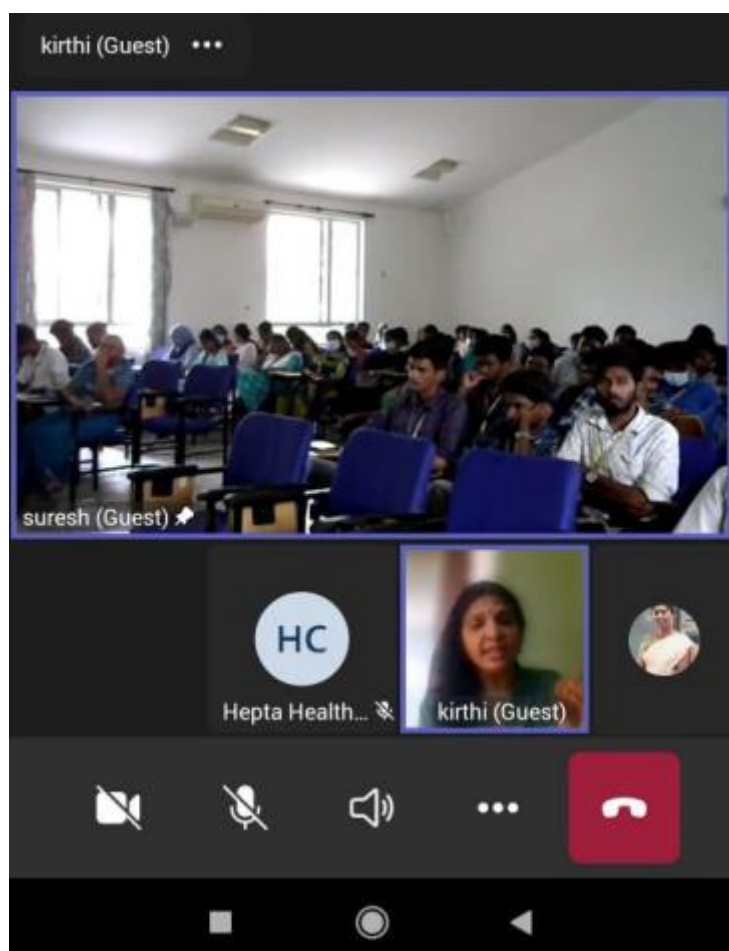
Resource Person
Ms KRITHIKA THARAN
Nutritional psychologist
FOUNDER OF HEPTA ACADEMY
Bengaluru

Dr. S.R.R.Senthil Kumar
Principal, SCT

Dr.S.Padma
HOD/EEE

Dr.M.Gopila, AP/EEE,SCT
Dr.G.Suresh, AP/EEE, SCT

Dr.M.Panneerselvam, AP/EEE
IEEE Coordinator, SCT



On line Webinar conducted on 28.09.2022 in Gut and Psychology by Ms. Krithika Tharan, Nutritional Psychologist, Founder of Hepta Academy, Bengaluru, India. 2nd & 3rd year students are benefited in this event.



Second year EEE students went to an industrial visit to TRACO Cable Company Limited, Kerala on 30.9.2022



Department of EEE & IEEE Association

Organize

Guest Lecture on

"Electrical Engineering Design and Career Exposure"

30.09.2022 :: 09.30 AM to 11.30 AM :: Mechanical Seminar Hall

Resource Person

Ms Sudha D

Production Facility Electrical Engineer
Oil & Gas Company
Schlumberger, Dubai.

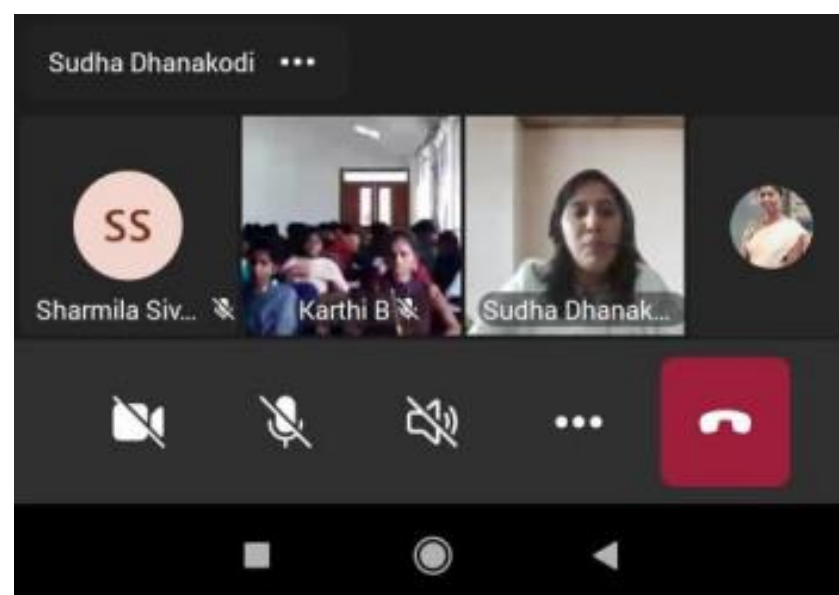


Dr. S.R.R. Senthil Kumar
Principal, SCT

Dr. S. Padma
HOD/ EEE

Dr. M. Gopila, AP/EEE, SCT
Dr. G. Suresh, AP/EEE, SCT

Dr. M. Panneerselvam, AP/EEE
Dr. V. Shanmugasundaram, AP/EEE



On line Guest Lecture conducted on 30.09.2022 in Electrical Engineering Design and Career Exposure by Ms. D. Sudha, Production Facility Electrical Engineer, Oil & Gas Company, Schlumberger, Dubai. 3rd year students are benefited in this event.

SONA COLLEGE OF TECHNOLOGY
Learning is a Celebration!
(An Autonomous Institution)

25
YEARS

Department of Electrical & Electronics Engineering & IEEE Student Branch

Cordially invites you to the
Inauguration of Department Students' Association
EDISON
(Electrical Department in Sona)
On 14.10.2022 at 11.00 am in Edison Hall
Followed by
A Guest Lecture on
"SELF-CONFIDENCE"

Chief Guest
Dr. Babu Rangarajan
Consultant Clinical Psychologist,
AP Medical Center & Hospital, Salem

Mr. C. Valliappa
Chairman, Sona Group of Institutions
presides over the function
in the august presence of

Mr. Chocko Valliappa
Vice Chairman, Sona Group of Institutions

Mr. Thyagu Valliappa
Vice Chairman, Sona Group of Institutions

Dr. S.R.R. Senthil Kumar
Principal, SCT

Dr. S. Padma
Professor and Head / EEE, SCT

Dr. M. Gopila
Association Coordinator - EDISON



Guest Lecture conducted on 14.10.2022 in Self-Confidence by Dr. Babu Rangarajan, Consultant Clinical Psychologist, AP Medical Center & Hospital, Salem, India. 2nd & 3rd year students are benefited in this event.

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IEEE

EDISON
ELECTRICAL DEPARTMENT IN SONA

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education initiative)

Department of EEE & IEEE Association
Organize

Guest Lecture on "ISO 50001:2011 (EnMS)"
(UG & PG Students)
08.11.2022 :: 09.00 AM to 11.30 AM :: Mechanical Seminar HALL

Resource Person
Mr. R. Balaji
Chief Executive cum Energy Consultant
NAVITAS ENERGY CONSULTANT
CHENNAI

ISO 50001
ENERGY MANAGEMENT

Dr. S.R.R. Senthil Kumar
Principal, SCT

Dr. S. Padma
HOD/ EEE & IEEE branch Counsellor

Dr. M. Gopila, AP/EEE, SCT
Dr. G. Suresh, IIC Convener, SCT

Dr. M. Panneerselvam, AP/EEE
IEEE Coordinator, SCT

On line Guest Lecture conducted on 08.11.2022 in ISO 50001:2011 (EnMS) by Mr. R. Balaji, Chief Executive cum Energy Consultant, Navitas Energy Consultant, Chennai, India. 3rd year students are benefited in this event.

SONA COLLEGE OF TECHNOLOGY
Learning is a Celebration!
(An Autonomous Institution)

IEEE

EDISON
ELECTRICAL DEPARTMENT IN SONA

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education initiative)

Department of EEE & IEEE Association
Organize

Guest Lecture on "ISO 9001:2015 (QMS)"
(UG & PG Students)
10.11.2022 :: 03.00 PM to 05.30 PM :: EDISON HALL

Resource Person
Er. G. Esakki Durai
QMS Consultant
ARKTECH AUTOMATION
Coimbatore

ISO 9001:2015

Dr. S.R.R. Senthil Kumar
Principal, SCT

Dr. S. Padma
HOD/ EEE & IEEE branch Counsellor

Dr. M. Gopila, AP/EEE, SCT
Dr. G. Suresh, IIC Convener, SCT

Dr. M. Panneerselvam, AP/EEE
IEEE Coordinator, SCT

On line Guest Lecture conducted on 10.11.2022 in ISO 9001:2015 (QMS) by Er. G. Esakki Durai, QMS Consultant, ARKTECH Automation, Coimbatore. 3rd year students are benefited in this event.

Student Achievements



Mr. REVANTH P S, Final year EEE, won the "FAVOURITE EDUCATIONAL BLOGGER AWARD" in the SALEM BUSINESS CONCLAVE organized by SALEM BUSINESS AWARDS, on 19.8.2022.

The Management, Principal, Deans, Directors, Heads & Faculty of SONA

Counseling Code 2618

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(An Autonomous Institution)

Department of Electrical & Electronics Engineering

Congratulate...!

S. Sabarish
II Year EEE
Eminent Engineer Award
2022
powered by Imagecon India

IMAGECON INDIA
2022
College Level Winner

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www.sonatech.ac.in/eee

Mr. S. SABARISH, Second year EEE, won the "EMINENT ENGINEER" Award during the ENGINEERS Day competition conducted by IMAGECON India Pvt Ltd. on 15.09.2022.



Mr. Madala P Mahithsai won the 1st price in Sona Speakers Forum Event. 15 students participated in this event.



Ms. S. Dhanya Sree won the 3rd price in Sona Speakers Forum Event. 15 students participated in this event.



Mr. Radhansuriya A.G. won the 1st price in Sona Speakers Forum Event during 2nd November 2022



Mr. Thilagesh G won the 2nd price in Sona Speakers Forum Event during 2nd November 2022



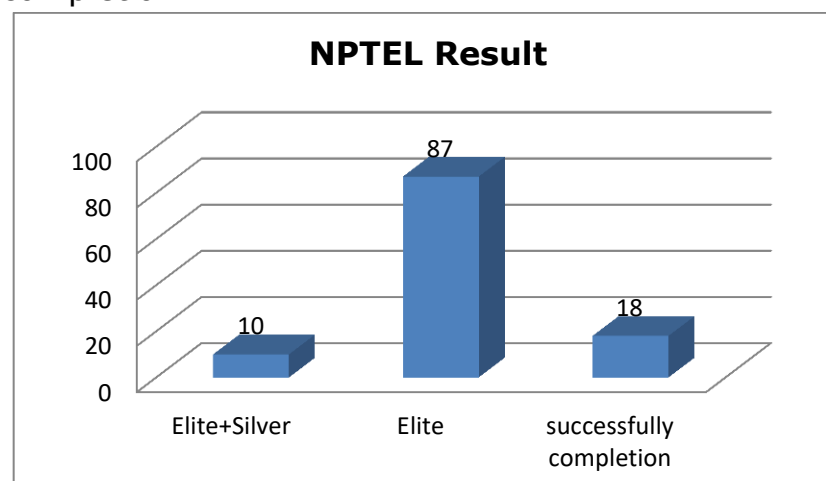
Mr. Sakthivelu N won the Third place in the Speakers Forum speech event during 2nd November 2022



Mr. Pirithivi Raj.E & Mr. Sabari.R of second year EEE students participated in innovation day-2022 (Wings of Fire) conducted by Institution Innovation Council & secured the position of winner in the event INNOVATORS ARENA.

NPTEL Results of Students

Introduction to Industry 4.0 and Industrial Internet of Things NPTEL course was selected as mandatory course for the Fifth semester students, 127 students enrolled for the course and 115 students completed the course successfully. In which 10 students completed with Elite+Silver, 87 students with Elite and 18 students with successfully completion.





JERLINE RUFINA V

SONA COLLEGE OF TECHNOLOGY

84%

Top 1%

JERLINE RUFINA V of third year EEE student emerged as Topper of 1% in Introduction to Industry 4.0 and Industrial Internet of Things course.



ROSHAN S

SONA COLLEGE OF TECHNOLOGY

77%

Top 5%



SHANMUGAPRIYA K

SONA COLLEGE OF TECHNOLOGY

79%

Top 5%

ROSHAN S and SHANMUGAPRIYA K of third year EEE students emerged as Topper of 5% in Introduction to Industry 4.0 and Industrial Internet of Things course

2023 Batch Placement



Final year 2023 passing out batch has excelled in placements, where more number of students got placed in Core Companies in JSW.



27 students got Placement in VLSI & Embedded Systems Domain in CAPGEMINI

Faculty Achievement

Patent Published by the Faculties

S.No	Name of the Faculty(s)	Title of Patent	Year of Patent
1	Dr. S. Chandrasekar	Test Device for Circuit Breakers Having Magnetic actuator and Electronic Control Unit	Filing 09/06/22
3	Dr.R.Shivakumar Dr.K.S.Yamuna Dr.A.Jagadeeshwaran	IoT based sensorless controller for smart farming	Published dated 24.6.22
5	Dr.R.Shivakumar Dr.B.Karthik Dr.M.Senthil Kumar	Modified Boost Converter with Voltage Multiplier Cell for High Power Applications	Filing 16.06.22

NPTEL Results of Faculty

24 Faculty members registered for the 27 NPTEL courses during July – Dec 2022 and successfully completed.



MADHUBALAN S

SONA COLLEGE OF TECHNOLOGY

82%

Top 1%

Dr MADHUBALAN S registered in Digital Circuits and emerged as Topper of 1% in this course



VENKATRAMANAN C B

SONA COLLEGE OF TECHNOLOGY

83%

Top 1%

Dr VENKATARAMANAN C B registered in Innovation by Design and emerged as Topper of 1% in this course



DR M GOPIA

SONA COLLEGE OF TECHNOLOGY

79%

Top 5%

Dr GOPIA M registered in Introduction to Industry 4.0 and Industrial Internet of Things and emerged as Topper of 5% in this course



PURUSHOTHAM S

SONA COLLEGE OF TECHNOLOGY

76%

Dr PURUSHOTHAM S registered in Electrical Measurement and Electronic Instruments and emerged as Topper of this course

Book Published by the Faculties

Dr. K.S. Yamuna has published a book on **"Total Quality Management"** during September 2022. ISBN No _ 978-93-5625-431-

Projects in R&D Centers

SonaSPEED R&D Centre:

Prof N Kannan, Dr S Vijay Shankar and V M Periyasamy team to develop and supply the Realisation of 5.5kW PMSM motor to Marlin Motocorp Pvt Ltd., Bengaluru.

SonaPADAC R&D Centre:

Dr. R. Arulmozhiyal and Dr. M.Murali team completed the In-house project "Design of Bidirectional Resonant Push-Pull DC-DC Converter for Electric Vehicle".

Editorial Board Members

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Coordinator : Dr. K. Krishnamoorthi, Associate Professor
Prof. T. Ilakkia, Assistant Professor
Dr. K. S. Yamuna, Assistant Professor

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Dr. M. Murali, Assistant Professor
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Prof. D. Kesavan, Assistant Professor