

Narasu's Sarathy Institute of Technology

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Department of Electrical & Electronics Engineering

**NEWSLETTER
(2019 –2020)**

Department of Electrical & Electronics Engineering - Events Details
Academic Year
(2019–2020)

S.No	DATE	TITLE
1	20190624	Seminar on Graduate Aptitude Test In Engineering (GATE)
2	20190627	Seminar on Recent Trends in Industrial Automation
3	20190917	Guest Lecture on Installation & Commissioning in Power sector
4	20190923	Life Skill program on Change your Challenges
5	20190927	Seminar on Towards Hazard free wearable health monitor (Bio-WiTel)
6	20191018	Seminar on Special Scheme for Farmers for the Installation of Solar Pump and Grid
7	20191211	Workshop on Design of Electrical Machines
8	20191213 - 20191214	workshop on Assembling devices in PCB and testing & Remote monitoring & control of commercial vehicle using IOT
9	20191218	Industrial Visit to AAVIN, Salem
10	20191014	MOU between SONA COLLEGE OF TECHNOLOGY and NARASU'S SARATHY INSTITUTE OF TECHNOLOGY on AICTE-MARGDARSHAN SCHEME
11	20191206 - 20191207	FDP on CO PO /PSO'S-PEO'S ASSESSMENT & ATTAINMENT & EFFECTIVE PEDAGOGICAL TOOLS
12	20200125	National level Technical symposium "AGNI 2020"
13	20200228	SPORTS DAY
14	20200222	Faculty Development program on "Art of composing Publication, IPR & Grants"
15	20200306	Workshop on Linear Integrated Circuit
16	20200219	Field visit to NSIT power house
17	20200214	Webinar on Electrical Vehicles
18	20200319	Faculty Development Program on Effective Welfare Measures
19	20200121	MoU between SONA COLLEGE OF TECHNOLOGY and NARASU'S SARATHY INSTITUTE OF TECHNOLOGY on AICTE-MARGDARSHAN SCHEME
20	20200211	Workshop on Outcome Based Education and NBA Process

20200125 - National level Technical symposium “AGNI 2020”

National level Technical symposium named “AGNI 2020” was conducted by Department of EEE on 25th January 2020.

Our chief guest **Dr.V.Sumathy**,Principal, Government college of Engineering, Dharmapuri was felicitated the gathering. She delivered a wonderful address to the students of NSIT and to the students from external colleges in and around Salem, with an immense knowledge of problems prevailing in our society and the need to provide solutions to the problems by means of engineering products and works. She also explained about the importance of Engineers in each Engineering Department.

Students from Dhirajlal Gandhi College of Technology,Paavai College of Engineering, The Kavery College of Engineering, PSV College of Engineering & Technology, AVS College of Technology participated in various events conducted by the Department of Electrical and Electronics Engineering.

Paper Presentation and Project Display were conducted in the morning session. There are 31 students from 5 Engineering colleges presented 15 papers in the paper presentation & 8 students from 2 Engineering colleges displayed 2 projects in project display.

In the Afternoon session Battle of Brains (Technical Quiz) & Chat Crackers (Non technical Event) conducted. Totally 44 students Participated in Battle of Brains and 60 students participated in Chat Crackers.



From left: **Dr.K.Arutselvan/HOD (EEE)**,**Dr.A.Sakthivel / HOD (CSE)**,**Dr.M.Poonguzhali/HOD (ECE)**, **Dr.V.Sumathy/ Principal/GCE,Dharmapuri**,**Thiru.G.Prabakaran / VC & Secretary** , **Dr.MunusamiVishwanathan/Principal**, **Dr.M.Senthil/ HOD (Mech)**,**Mrs.M.Premalatha/HOD (Civil)**.



Prize distributed to prize winners of Technical paper presentation

20200228 - SPORTS DAY

Narasu's Sarathy Institute of Technology conducted a **Sports Day** on 28th February 2020. Our chief guest **Mr.V.Janakiram Reddy**, National Basketball Player, Director, SkyyReach, Chennai, was felicitated the gathering.

Sports day started with Lighting the Olympic torch by sports achievers and chief guest **Mr.V.Janakiram Reddy**. After that various sports events such as 100 meters running for boys & Girls, 4*100 meters relay for boys conducted and prizes distributed to prize winners by Mr.V.Janakiram Reddy.

Mr.V.Janakiram Reddy said that, once you have a good idea of your core values and what areas of your life could use a little development, take some time to sketch what you envision as realizing your true potential. If you have identified areas of your life that are not currently value-congruent, this could be a good place to start. If you've decided on something and you have set goals to be able to achieve the things you want in the future, there are things that need to be done too. The feeling of wanting something will never be enough if you don't take action. To get closer and closer to certain goals, changes need to be done in your everyday-life and you need to realize which habits that should stay and which ones should be eliminated. He also insisted the student that Sports make u confident, team building, happy & healthy.

Finally Zonal level winners are honored by Cash prize of worth Rs.10,000/- (cricket winners), Rs.4000/- (4*100 meters relay winners), Rs.3000/- (Athletic Winner-A.Kalaiarasan) by management and chief guest.



From Right: **Thiru.G.Prabakaran** / VC & Secretary, **Mr.V.Janakiram Reddy**, Director, Skyy Reach, Chennai, **Mrs.Aishwarya Nitish** / Pro chairman, **Dr.M.Poonguzhali**/HOD (ECE), **Dr.Munusami Vishwanathan**/Principal, **Mr.D.Veerappan** / Prof (Mech), **Dr.A.Sakthivel** / HOD (CSE).



Mr.V.Janakiram Reddy, Director, Skyy Reach, Chennai Lighting the Olympic torch

20200222 - Faculty Development program on “Art of composing Publication, IPR & Grants”

One day Faculty Development Program on “**Art of composing Publication, IPR & Grants**” was conducted on **22.02.2020**.

Dr.T.Selvaraju, Associate Professor, Department of Chemistry, Bharathiyar University, and Coimbatore was Chief Guest of the day. He explained the overview on Intellectual Property Rights (IPR), How to convert the research and project work into patents, Filing and getting a patent and the finer nuances involved in writing a research paper for to publish in a high quality refereed journals. This FDP made the Faculty members to know how to write effective funding proposals to various Grant agencies and brought positive transformation in the faculty members attitude in their project and research works and get them more focused as well as result oriented, so that they can achieve the organizational goals at ease.



20200306 - Workshop on Linear Integrated Circuit

Narasu's Sarathy Institute of Technology, conducted one day workshop about **Linear Integrated Circuits** on 06.03.2020 by **Mr.Praveenkumar, Design Engineer, from Caliber Embedded Pvt.Ltd** as Resource Person of the event.

For the benefit of student community, this workshop conducted by Narasu's Sarathy Institute of Technology. Totally 33 students participated from second year EEE for enhancing the practical skills about linear integrated circuits.

Resource person from calibre Embedded Pvt. Ltd explained Basics of operational amplifier, Features of IC 555, Operating modes IC555, Sensors interfacing with comparator & Voltage divider, Design of voltage divider circuits, Sensors interfacing, Timer operations in the morning session.

After-noon session students have practiced working of RC network, Op- Amp, Comparator, Sensor interfacing practically by using IC 741 also done few experiments using IC 555 timer.





20200219 - Field visit to NSIT power house

Department of EEE arranged a **Field Visit to NSIT Power House** for II & III EEE students on 19.02.2020.

Main objective of this field visit is to make the students to get practical knowledge on various power system components such as Incoming Transformer of rating 22KV/440V, 200MVA/120A. Students have seen visually various components of transformer such as Buchholz Relay for protecting the transformer from incipient and major faults, Bushings through which terminal of transformers are taken out, Conservator for storing and supplying oil from and to the oil tank under abnormal and normal condition, Breather for absorbing moisture content when air is entering into the tank. Students also visited Bus bar chambers, Diesel generating station 125KVA, 110KVA, RO Plant, Lightning arresters which they have studied in theory subjects. Students have seen above mentioned components in the field visit and got enough knowledge on the same.



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20200214 - Webinar on “Electrical Vehicles”

The Department of Electrical and Electronics Engineering and The Department of Mechanical Engineering of Narasu’s Sarathy Institute of Technology, Salem associated with CADD Centre Salem conducted a Webinar on “**Electrical Vehicles**” on **14.02.2020**.

The Speaker **Mr.P.K.Venkataramana**, Technical Head, Industrial Institute of Designing, CADD Centre, started the session with the Introduction to EV Technology & Operations and their importance and needs. The disruptions in the automotive industry were discussed in that session. He explained the major difference between the IC Engines and Electrical vehicles by clear pictures and animations along with technical and technology changes involved with electrification. He detailed the changing demands and opportunity for engineers to look for better and brighter career. The difference in the frame, parts, performance etc. of an IC Engine and electrical vehicle have been discussed in that session. The type of battery, the type of traction motor and the motor controller design vary according to the size, power and proposed application had elaborated with perfect pictures. Electric motorcycles and scooters, neighbourhood electric vehicles, industrial fork-lift trucks and including many hybrid vehicles and more had been explained by him. He briefed about the battery construction used in Tesla Car in the session. The sessions were completed with feedback and speaker cleared their doubts and queries regarding the webinar through online live chat.



20200319 - Faculty Development Program on “Effective Welfare Measures”

Faculty Development Program on “Effective Welfare Measures” was conducted on **19.03.2020**. **Mr.T.Sivakumar**, Chief Manager & **Ms.Sowmiya**, Senior Manager (Credit) from **Bank of India, Salem** as Resource person of FDP.

Mr.T.Sivakumar & Ms.Sowmiya shared various welfare measures provided by public and private bank for staffs and students, kinds of loans provided by various banks such as Educational loan, Personal loan, Home loan, Gold loan, Vehicle loan, Loan against property, Retail loans etc. They also explained about the procedure for availing various loans from bank and procedure to pay loan to bank in detail.



From Left: **Dr.M.Poonguzhali**/HOD (ECE), **Ms.Sowmiya** / Senior Manager (Credit), **Mr.T.Sivakumar** / Chief Manager, **Bank of India, Salem**, **Dr.Munusami Vishwanathan**/Principal, **Mr.Jayaprakash** / AO.



20200121 – MoU between SONA COLLEGE OF TECHNOLOGY and NARASU'S SARATHY INSTITUTE OF TECHNOLOGY on AICTE-MARGDARSHAN SCHEME

Inauguration of AICTE –MARGDARSHAN Scheme (Share and Mentor Institutions) held at Sona College of Technology in the august presence of the chief guest **Dr.Dileep Malkhede, Advisor-I, AICTE, RFID Bureau, New Delhi** on **21.01.2020**. During this programme, the Signed copy of **MoU between SONA COLLEGE OF TECHNOLOGY and NARASU'S SARATHY INSTITUTE OF TECHNOLOGY** exchanged in the presence of the chief guest.

The main objectives of the MoU is to train the mentees institutions in Outcome Based Education and help them in preparing NBA SAR (Self-Assessment Report) document for applying it accreditation process. Also to upgrade the teaching & technical skills of mentee institutions faculties through the various programme such as workshop, Faculty Develop Programme (FDP), Guest Lectures and pedagogy offered by Sona College of technology under AICTE- Margdarshan scheme for the period of three years.

Dr.DileepMalkhede also shared about sanctioning of various schemes such as RPS, MODROBs, and Hostel for SC/ST students, Hostel for physically disabled students, Seminar Grant, Conference Grants, and variety of scholarship schemes for different categories of students.



MoU exchanged between SONA COLLEGE OF TECHNOLOGY and NARASU'S SARATHY INSTITUTE OF TECHNOLOGY in the presence of Dr.DileepMalkhede, Advisor-I, AICTE, RFID Bureau, New Delhi.

20200211 –Three Days Workshop on Outcome Based Education and NBA Process

Dr.M.Poonguzhali/HOD (ECE), Dr.M.Senthil / HOD (Mech) attended three days Workshop on **Outcome Based Education and NBA Process** under **AICTE – MARGDARSHAN** Scheme at Sona College of Technology from 11.02.2020 to 13.02.2020.

In Day - I session - 1 was handled by **Dr.S.Dhanapal, Professor (Retd.), Curriculum Development, National Technical Teachers Training & Research, Chennai.** He explained overview of the NBA process including brief coverage of criteria, preparation for the expert visit, Documents to be prepared for verification by the team, Estimation of attainment of CO and PO and Direct & indirect assessment methods. Session - 2 was handled by **Dr.J.Akilandeswari, Dean Academics & HOD (IT), Sona College of Technology.** She briefly explained Programme outcomes (PO) and Course Outcomes Attainment Calculations.

Dr.C.V.Koushik, Former Director – Academic , Sona College of Technology shared various strategic planning for College/Department in session -3 of second day. Final day session – 4 handled by **Dr.A.A.AbdulKhader, Principal, Karnataka (Govt..) Evening Polytechnic, Karnataka.** He covered OBE – Vision, Mission, PEO, PO, PSO & CO.

AICTE-MARGDARSHAN SCHEME @ SONA
Workshop on Outcome Based Education and NBA Process



20200224 – Workshop on National Initiative for Technical Teacher Training (NITTT)

Mr.S.Sivaprakasam/ AP (ECE),Mr,T.Sudhakar / AP (Mech), Mr.I.Anbumuthu / AP (CSE)attended one day **Workshop on National Initiative for Technical Teacher Training (NITTT)**at **Sri Krishna College of Technology, Coimbatore** on **24.02.2020**.

The training program is for the faculty members in engineering college. Faculties less than five years of experience should undergo a training program called “Faculty Induction Program”(FIP).This FIP consists of eight modules. First the faculty members have to register by paying Rs.2000/- and for each module registration fee Rs.1000/-.Registration fees of Rs.2000/- is valid for only two years. Within two years faculty less than five years of experience should clear all eight modules. Faculties above five years of experience should undergo a training program called “In-service Training Program” (ITP).

