

SRI VENKATESWARA COLLEGE OF ENGINEERING

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Pennalur, Sriperumbudur Taluk —602117.

Department of Mechanical Engineering



A Report on

NATIONAL WORKSHOP ON GREEN ENERGY AND VEHICLES FOR SUSTAINABLE ENVIRONMENT (NWGEVSE2K18)

Venue	Function Hall
Date	27.03.2018 to 28.03.2018
Time	: 09:00am to 12:30pm & 01:30pm to 04:00pm

Coordinator

Hod

Dr. S. RAMESH BABU, M.E., Ph.D
Professor & Head
Department of Mechanical Engineering
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur (TK) - 602117

National Workshop on
**Green Energy and Vehicles for
Sustainable Environment**

(NWGEVSE2K18)

27 – 28 March 2018



COORDINATORS:

Dr.S.Saravanan, Professor
Dr. S Natarajan, Asst. professor
Mr. R Kaliyanasunder, Asst. professor
Mr.S.Arumugam, Asst. professor
Dr.M.Gajenduran, Asst. Professor
Mr. G. Logachandar, Asst. Professor

RESOURCE PERSON:

- Dr.R.Mahadevan ,Director– M/s India Pistons Ltd, Chennai
- Ms.Ranjani Padmanaban,M/s FIAT Chrysler Automobiles India Pvt Ltd
- Prof. G Nagarajan, CEG, Anna University, Chennai
- Mr. I Meenakshi Sundaram, Director, M/s Gates Unitta (I) Ltd
- Dr. Anand Gurupatham, Senior Engineer, M/s Renault Nissan Ltd
- G.Senthil kumar,,Ashok Leyland - Technical Centre
- Dr. C Prathap, IIST, Trivandrum

NATIONAL WORKSHOP ON GREEN ENERGIES AND VEHICLES FOR SUSTAINABLE ENVIRONMENT (NWGEVSE 2K18)-March 27-28, 2018

Programme schedule

Day	Session No	Timing in hrs	Title	Expert	
27.03.2018		8.30-9.15	Registration		
		9.15-10.30	Inauguration	Dr.R.Mahadevan Director– M/s India Pistsons Ltd, Chennai	
		10.30-10.45	Sustainable Mobility Challenges And Responses		
		10.30-10.45	Tea break		
	I	10.45-11.30	Power train sustainability	Ms.Ranjani Padmanaban Project Chief-Powertrain Controls M/s FIAT Chrysler Automobiles India Pvt Ltd	
	II	11.30-12.30	Electrification And Hybridization For Sustainable Mobility	Mr. I.Meenakshi Sundaram Director-Technical & Commercial M/s Gates Unitta (I) Ltd, Sriperumbudur	
	12.30-13.30	Lunch			
	III	13.30-14.45	Smart And Green Mobility	Dr.G.Nagarajan Professor of Mechanical Engineering College of Engineering, Guindy Anna University. Chennai	
28.03.2018	IV	9.00-10.15	Future Vehicle Technologies for Greener Environment	Dr. Anand Gurupatham Senior Manager M/s Renault Nissan Ltd	
		10.15-10.30	Tea break		
	V	10.30-11.30	Vehicles For Sustainable Environment	G.Senthil kumar Divisional Manager – Engine Development Ashok Leyland - Technical Centre	
	VI	11.30-12.30	Towards Cleaner Combustion	Dr.C.Prathap Associate Professor of Aerospace Engg. Indian Institute of Space Science and Technology, Trivandrum	
		12.30-13.30	Lunch		
		13.30-14.30	Valedictory		

FACULTY & STUDENT WATCHING PHOTOS:









(ii) One Page write up program objectives & Benefits.

NWGEVSE 2018 is focussed to explore the recent developments of green energy in transport, industry and power sectors and also to create a platform for initiating further developments in the field of green energy. This conference also aims to find a methodology to create awareness in increasing the utilization of green energy in all the sectors. It is also focussed to bring the progress of advanced engineering and intelligent systems in automotive vehicle to meet the international standards with customer safety and satisfaction.

NWGEVSE 2018 is devoted to bring the experts from renowned institutions and automotive industries, scientists and researchers in the field of energy and vehicle technology to discuss the regional, national and international issues and develop a feasible practical plan for effective speedy growth in achieving sustainable energy and environment for the future.

Star Performer Faculty Name: Dr.S.Saravanan, Professor/Mechanical

Star performer Student Name: .Jai Akash(jaiakash111@gmail.com ,8939158328)

PARTICIPATION DETAILS:

No.of Internal/external Students participated:50

No.of Internal/external Faculties participated:15

REMARKS OF THE PROGRAMMER:

The main theme of the workshop is to explore about the Green energies and also to make awareness about the utilization of these Energies among the students and researchers. Technical sessions were planned accordingly and experts have delivered technical talk exposing the Green energies and Vehicles for sustainable environment..

65 participants (50 UG & PG students and 15 faculty) have participated in the workshop and benefited with more about Green energies and vehicles. This will be helpful for them to transform the economies, societies and cultures of the future.

BROCHURE

WORKSHOP ORGANIZING COMMITTEE	
CHIEF PATRON Dr. A. C Muthiah Chairman , Governing Council	
PATRON Dr. M Sivanandham Secretary	Co-PATRON Dr. S. Ganesh Vaidyanathan Principal
Workshop Chair Dr. S Ramesh Babu Professor & Head	Convenor and Organizing Secretary Dr. S Saravanan, Professor
Coordinators Dr. S Natarajan Mr. R Kaliyanasunder Mr. S Arumugam Assistant Professor	Co-coordinator Dr. M.Gajendiran Mr. G Logachandar Assistant Professor

National Workshop on
Green Energies and Vehicles for Sustainable Environment (NWGEVSE2K18)
27 – 28 March 2018



KEYNOTE SPEAKERS AND RESOURCE PERSONS

- Dr.K. Alaguvelu, ISRO Propulsion Complex (IPRC) Mahendragiri.
- Dr.Mahadevan, Director - M/s India Pistons Ltd
- Mr. I Meenakshi Sundaram, Director (Technical & Commercial) M/s Gates Unitta (I) Ltd, Sriperumbudur.
- Dr. Anand Gurupatham, Senior Manager, Powertrain Methodology Department, Research & Advanced Engineering M/s Renault Nissan Technology & Business Centre, Oragadam
- Mr. G.Senthil kumar, Divisional Manager – Engine Development, M/s Ashok Leyland - Technical Centre.
- Prof. Dr.G.Nagarajan, CEG, Anna University, Chennai
- Dr. C Prathap, Associate Professor of Aerospace Engineering, Indian Institute of Space Science and Technology, Thiruvananthapuram



Organized by
DEPARTMENT OF MECHANICAL ENGINEERING
SRI VENKATESWARA COLLEGE OF ENGINEERING
 (An Autonomous Institution affiliated to Anna University, Chennai)

ABOUT THE INSTITUTION:

Sri Venkateswara College of Engineering was established in the year 1985, with three academic departments. Ever since, it has grown into a premier institution imparting knowledge and excellence through academic, research and infrastructural developments. The college offers 10 UG and 10 PG courses in various Engineering disciplines. It is actively involved in many research projects funded by various industries and organizations, supported by well dedicated faculty, staff and student community. The institute is accredited by NAAC and recently granted Autonomous status by UGC.

ABOUT THE DEPARTMENT:

The Department of Mechanical Engineering is one of the three major departments established during the beginning of the College. The department has well experienced faculty and staff members of proven ability and administrative skills. It has well equipped state-of-the-art laboratories that cater to the needs of the students. The department also takes up industrial consultancy works from various industries. Three PG and one UG programmes are offered by the department. The UG programme is accredited by National Board of Accreditation (NBA) since 1998.

THEME OF WORKSHOP:

NWGEVSE 2018 is focussed to explore the recent developments of green energy in transport, industry and power sectors and also to create a platform for initiating further developments in the field of green energy. This workshop also aims to find a methodology to create awareness in increasing the utilization of green energy in all the sectors. It is also focussed to bring the progress of advanced engineering and intelligent systems in automotive vehicle to meet the international standards with customer safety and satisfaction. NWGEVSE 2018 is devoted to bring the experts from renowned institutions and automotive industries, scientists and researchers in the field of energy and vehicle technology to discuss the regional, national and international issues and develop a feasible practical plan for effective speedy growth in achieving sustainable energy and environment for the future.

PARTICIPANTS

Faculty members, Scientists, Research scholars, PG and UG students of Mechanical, Automobile & Energy Engineering and Engineers engaged in teaching and research aiming to progress their understanding of future trends in GREEN ENERGY AND VEHICLES can register for the workshop.

REGISTRATION FEE:

Industry	Rs. 1000/-
Researcher/Academia	Rs. 500/-
UG/PG students	Rs. 250/-

Registration fee is to be paid as demand draft in favour of 'The Principal, Sri Venkateswara College of Engineering' payable at Chennai. It includes conference kit, proceedings, certificates, lunch and refreshment.

IMPORTANT DATES

Registration	: 01.03.2018
Intimation of acceptance (by email)	: 12.03.2018

ACCOMODATION & TRANSPORTATION

Accommodation will be arranged in nearby hotels on payment basis to participants on request. All participants can commute using college buses from nearby area. The details of bus routes are available on our website www.svce.ac.in.

Address for correspondence:

Address for correspondence:
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S Sar

Dr. S. SARAVANAN

Organizing Secretary- NWGEVSET2k17

Ramesh

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