

14.02.2019

Submitted to the Principal

Sub: Report on Two Day Workshop on “FUNDAMENTALS OF VEHICLE DYNAMICS using MODERN TOOL”

Department of Automobile Engineering organized a Two Day workshop on **FUNDAMENTALS OF VEHICLE DYNAMICS using MODERN TOOL** with the approval and sponsorship of Rs.4000/- from the management of SVCE. A Registration fee was collected as Rs. 300/- from each participant for the above programme. This workshop was organized in view of upgrading the knowledge of students from affiliated Institutions of Anna University and other Universities across Tamil Nadu in the field of Vehicle Dynamics.

The Workshop was inaugurated by **Dr. R. Anitha**, Professor and Head in Department of Computer Science & Engineering, Sri Venkateswara College of Engineering. She delivered inaugural address on the needs to attend such programme in order to stay updated in this highly competitive world.



Dr. R. Anitha, delivering inaugural address in Two Day workshop

There were Five Lecture sessions and Two Laboratory sessions covering all the major topics of vehicle dynamics concept using MATLAB. These technical lectures and laboratory classes were handled by the senior faculty members of Sri Venkateswara College of Engineering.



Dr. V. Ganesh, Delivering a Lecture



Mr. Ramanjaneyulu Kolla, Delivering a Lecture

A group of students (External : 24 & Internal : 06) participated in the programme.



Participants

The participants expressed their full satisfaction through Feedback. The lecture sessions and the practical sessions were very well received and appreciated by the participants.

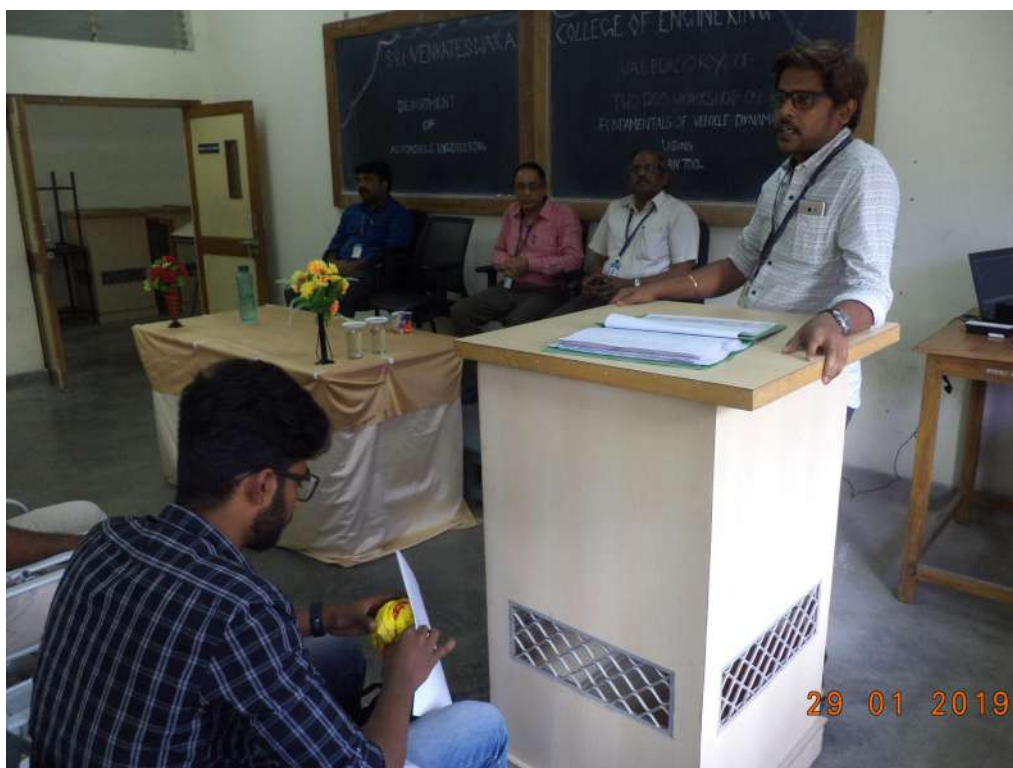


During MATLAB session

The workshop ended with valedictory function presided by **Prof. Krishnan S**, Dean Academic & Head of the Department (MR), Sri Venkateswara College of Engineering. He delivered valedictory address on the importance vehicle dynamics and futuristic approach towards it.



Prof. Krishnan S, delivering valedictory address in Two Day workshop



Dr. V. Ganesh delivering Vote of thanks

We express our heartfelt thanks to the management of SVCE for giving an opportunity to conduct Two Day Workshop and for financial support to conduct the event smoothly.



Participants group photo

The details of amount sanctioned, spent and returned are given below:

List of Participants

SI No	Coordinators Name	Designation	College Name
1	Dr. Ganesh. V	Associate Professor	Sri Venkateswara college of Engineering
2	Mr. Ramanjaneyulu kolla	Assistant Professor	Sri Venkateswara college of Engineering

Registration Details

SI No.	Name of the Student	Institution	Year of Study	Department
1	Rajeeth Kumaran R	Panimalar Engineering college	III	Mechanical
2	Dheva Kumar D	Panimalar Engineering college	III	Mechanical
3	Dinesh V	Panimalar Engineering college	III	Mechanical
4	Dilip Kumar B	Panimalar Engineering college	III	Mechanical
5	Yaswanth Sai B	Bharath Institute of Higher Education and Research	III	Automobile
6	Naveen Kumar Reddy P	Bharath Institute of Higher Education and Research	IV	Automobile
7	Karan Prakash R	Bharath Institute of Higher Education and Research	III	Automobile
8	Dinesh S	Rajiv Gandhi College of Engineering	IV	Automobile
9	Nethaji E	Rajiv Gandhi College of Engineering	IV	Automobile
10	Balaji S	Rajiv Gandhi College of Engineering	IV	Automobile
11	Sibi Siddharth	Rajiv Gandhi College of Engineering	IV	Automobile
12	Praveen M	Rajiv Gandhi College of Engineering	IV	Automobile
13	Mukesh Nadarajan	Hindustan Institute of Technology and Science	II	Mechanical
14	Balaji R	Hindustan Institute of Technology and Science	II	Mechanical
15	Mujibur Rahman K	Hindustan Institute of Technology and Science	II	Mechanical
16	Hemanth Prasanna R	Hindustan Institute of Technology and Science	II	Mechanical
17	Sivanesh S	Rajalakshmi Engineering College	III	Automobile
18	Sakthivel R	Rajalakshmi Engineering College	III	Automobile

19	Vimal Surya R	Rajalakshmi Engineering College	III	Automobile
20	Mohamed Asique Salman	Rajalakshmi Engineering College	III	Automobile
21	Vinoth kumar K	Easwari Engineering College	III	Automobile
22	Sanjay Mohan R V	Easwari Engineering College	III	Automobile
23	Tharun M	Easwari Engineering College	III	Automobile
24	Raj kumar C	Easwari Engineering College	III	Automobile
25	Gnaneshwar V	Sri Venkateswara College of Engineering	III	Automobile
26	Raghuraman V	Sri Venkateswara College of Engineering	III	Automobile
27	Gokul S	Sri Venkateswara College of Engineering	III	Automobile
28	Dhivakkar N	Sri Venkateswara College of Engineering	III	Automobile
29	Thanigachalam R	Sri Venkateswara College of Engineering	III	Automobile
30	Nithin Daniel	Sri Venkateswara College of Engineering	IV	Automobile

Two Day workshop on Fundamentals of Vehicle Dynamics using modern tool

Duration: January 28th – January 29th 2019

Resource persons and Topics Covered

Sl. No.	Name	Qualification	Designation	Topics Covered
1.	Dr. V. Ganesh	M.E., Ph.D	Assc. Prof. / SVCE	<ul style="list-style-type: none">• Introduction to VD• Calculation of Maximum acceleration, Reaction forces for Different drives• Practical 1- Simulation of vehicle longitudinal motion using MATLAB
2.	Mr. K. Paul Durai	M.E., (Ph.D)	Asst. Prof. / SVCE	<ul style="list-style-type: none">• Types of VD Forces Model& Problem – Basic Concepts of VD
3.	Mr. Ramanjaneyulu Kolla.	M.E., (Ph.D)	Asst. Prof. / SVCE	<ul style="list-style-type: none">• Vehicle Vibration analysis (Vertical Dynamics)
4.	Mr. K. E. Kumaraguru	M.E.	Asst. Prof. / SVCE	<ul style="list-style-type: none">• Practical 2- Vehicle Vibration analysis using MATLAB
5.	Mr. A. K. Boobalasantilraj	M.E.	Asst. Prof. / SVCE	<ul style="list-style-type: none">• Stability of vehicle on banked road and turning. (Lateral dynamics)



HoD / AUT

Dr.J.VENKATESAN, M.E.,Ph.D.
Professor & Head
Department of Automobile Engineering
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur Taluk-602 117
Tamil Nadu, India



**Dr. V. Ganesh
Coordinator**



**Mr. Ramanjaneyulu Kolla
Coordinator**

REGISTRATION FORM

TWO DAY WORKSHOP ON FUNDAMENTALS OF VEHICLE DYNAMICS using MODERN TOOL

28th & 29th January, 2019

1. Name
2. Age and DoB
3. Year of Study
4. Department
5. Institution
6. Address for
Communication
7. Official Address
8. E-mail
9. Phone
10. DD. No Date
Bank

Signature of the Applicant

DECLARATION

The information furnished by me is true to the best of my knowledge. I agree to abide by the rules and regulation governing the workshop. If selected, I shall attend the program for the entire duration.

Date :
Place :

Signature of the Applicant

SPONSORSHIP

Mr./Ms.....
a student of our institution is hereby allowed to attend the workshop on "FUNDAMENTALS OF VEHICLE DYNAMICS using MODERN TOOL" organized by Department of Automobile Engineering, SVCE. He/She will be permitted to attend the program for the entire duration, if selected.

Signature of the HoD/Principal

Date :
Place :

Note : Number of participants is restricted to a maximum of three from an institution.

Registration form can be sent by post/email.

Email/Mobile:

raghuraman0301@gmail.com / 9952227305
gokulsubramanian1998@gmail.com / 6380056467

TWO DAY WORKSHOP

ON

FUNDAMENTALS OF VEHICLE DYNAMICS using MODERN TOOL

28th & 29th January, 2019

Co-ordinators

Dr. Ganesh. V
Mr. Ramanjaneyulu Kolla



Organized by
Association of Automobile Engineering

Department of Automobile Engineering
Sri Venkateswara College of
Engineering
(Autonomous - Affiliated to Anna University)
Pennalur, Sriperumbudur (Tk) - 602 117
Tamil Nadu, India
Phone: 044 27152000, Extn: 450

ABOUT THE COLLEGE

Sri Venkateswara College of Engineering (SVCE), a premier self-financing engineering college autonomous institution started in the year 1985 and affiliated to Anna University, Chennai. The college is managed by Sri Venkateswara Educational and Health Trust. The college conducts 10 UG Programmes and 10 PG Programmes in Engineering/Technology and the courses are approved by AICTE. The college is accredited by National Assessment and Accreditation Council (NAAC). The college is situated in a calm environment about 37 km from Chennai and situated on Chennai-Bangalore National Highway (NH4) at Pennalur, in Sriperumbudur Taluk, Kancheepuram District.

ABOUT THE DEPARTMENT

The department of Automobile Engineering was established in the year 1999 with a mission to educate and impart technical knowledge to the students to become globally competent in the field of Automobile Engineering. It has well-qualified and motivated faculty members with relevant experience in their area of specialization. The department is equipped with most modern and state-of-art laboratories like Engine testing, Automotive components, Automotive Electrical and Electronics, Vehicle Maintenance and Re-conditioning, 2 & 3 Wheeler, Automotive Fuels and Lubricants, CAD/CAM, etc. The department is also equipped with 2/3/4 Wheeler Chassis Dynamometer to simulate the vehicle as in on-road condition. It provides consultancy services to research scholars and automotive industries in the field of engine performance and emission testing using alternate fuels with the help of advanced instruments like AVL Pressure pickup, Angle encoder and Data acquisition system. The department is accredited by NBA since 2006.

ABOUT THE WORKSHOP

The Workshop is intended to provide opportunity for UG & PG students of Automobile / Mechanical Engineering from various Engineering colleges across Tamil Nadu to enhance their knowledge in the field of vehicle dynamics. The primary focus of the programme is to give exposure and hands-on experience of MODERN TOOL in the area of vehicle dynamics.

TOPICS TO BE COVERED

- Introduction of Vehicle Dynamics
- Vehicle Vibration
- Longitudinal Dynamics
- Vertical Dynamics
- Lateral Dynamics
- Hands-on training on MODREN TOOL for solving vibration problems

REGISTRATION FEE

UG Students	: Rs. 300/-
PG Students	: Rs. 400/-

Registration Fee is payable by cash / demand draft (DD), drawn in favor of "The Principal, Sri Venkateswara College of Engineering" payable at Chennai. The demand draft (DD) is to be sent along with the registration form to the coordinator.

No TA/DA will be provided. The participants can use the college bus for to and fro journey.

ORGANIZING COMMITTEE

CONVENER:

Dr. J. Venkatesan
HoD - Automobile Engg.

CO-ORDINATORS:

Dr. Ganesh. V,
Associate Professor,

Mr. Ramanjaneyulu Kolla,
Assistant Professor,

ORGANIZING COMMITTEE:

Dr. S. Premnath
Mr. A. Balasubramanian
Mr. J. Dhanabal
Mr. K. Paul Durai
Mr. G. Ravi
Mr. E. Ravindar Rao
Mr. R. Sakthivel
Mr. K. E. Kumaraguru
Mr. A. K. Boobalasantilraj

WORKING COMMITTEE:

Mr. RAGHURAMAN V
Mr. GOKUL S

VENUE:

Department of Automobile
Engineering,
Sri Venkateswara College of
Engineering

IMPORTANT DATES:

Submission of Application	: 21.01.19
Intimation of selection	: 23.01.19
Confirmation by Participants	: 25.01.19