



SRI VENKATESWARA COLLEGE OF ENGINEERING

(Autonomous - Affiliated to Anna University)
Pennalur, Sriperumbudur (Tk) - 602 117 Tamil Nadu, India



Live Webinar on “Introduction to Vehicle Dynamics Testing”



Resource Person

Mr. Gautham Jayakumar
Alumni – Automobile Engineering/ SVCE
Manager - Vehicle Dynamics & Attribute
Development – Validation,
Mahindra & Mahindra Limited
Truck & Bus Division, Pune

Register using Link or QR code:

<https://forms.gle/JLNWDHPqYpXKqyT56>

11.06.2020
10.00 am to 11.00 am



E-Certificate will be issued to all the participants

First come first serve basis

No registration Fee

Organized by

DEPARTMENT OF AUTOMOBILE ENGINEERING

Convener:

Dr. J. Venkatesan, Professor & Head

Coordinators:

Dr. V. Ganesh, Associate Professor
Mr. A. Balasubramanian, Assistant Professor
Mr. A. K. Boobalaseshthilraj, Assistant Professor

For registration related queries : boobal@svce.ac.in

SRI VENKATESWARA COLLEGE of ENGINEERING (SVCE)

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

PENNALUR, SRIPERUMBUDUR-602117



REPORT ON LIVE WEBINAR ON INTRODUCTION TO VEHICLE DYNAMICS TESTING ON 11th JUNE 2020.

Date: 11.06.2020

Time: 10:00 am to 11:00am

Objectives (Maximum 50 words):

The main objective of the webinar is to impart basic knowledge about Vehicle Dynamics and its testing.

About the programme (Min 500 words):

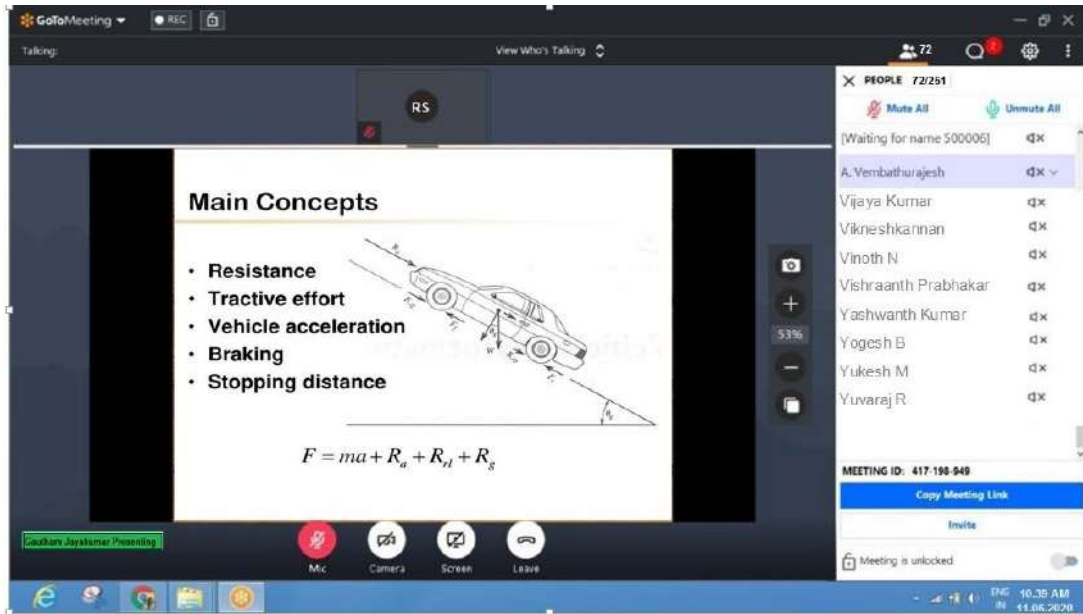
The webinar on the topic 'Introduction to vehicle dynamic testing' was organized by the Automobile Department, SVCE. Totally 72 participants attended the webinar. The speaker Mr. Gautham Jayakumar, Manager (Vehicle dynamics and attribute development – validation), Mahindra & Mahindra Ltd. Trucks and Bus division, Pune started the session.

The following points were covered:

- ◆ Vehicle dynamics is an important attribute which owes to the performance, handling and maneuverability of the vehicle.
- ◆ The different stages of development of a vehicle are:
 - The start of a new vehicle design is from the panel members of the company.
 - Benchmarking the performance of the expected output.
 - Simulation of the vehicle model.
 - Design and testing of a vehicle prototype.
 - Quality analysis.
 - Production planning.
- ◆ There are two types of assessments in vehicle dynamic testing,
 - The **subjective assessment**
 - The **objective assessment**.
- ◆ Subjective assessment is the practical analysis of the prototype whereas the later is the quantitative analysis of the prototype.
- ◆ There are different sensors available for various types of testing such as the steering angle testing, slip angle testing, C.G. location testing etc.
- ◆ Different ISO standards of vehicle testing environments and testing procedures where discussed.
- ◆ A video which showed the testing of a four-wheeler car using an Inertial navigation sensor was played and explained by the speaker.
- ◆ Tabulated test data on 4 different vehicle's performance during a lane change maneuver test was compared with graphs

Benefits (Maximum 50 words):

- Knowledge on Vehicle dynamics basics
- Understanding different testing methods involved in vehicle dynamics testing.
- Concepts such as subjective and objective assessment in vehicle testing was introduced.




Mr. Gautham Jayakumar delivering the webinar


LIST of PARTICIPANTS

Sl. No.	Full Name of the Participant	Name of the Organization(College / University / Industry)
1	Mr. Anish Prabu R R	Sri Venkateswara College of Engineering
2	Mr. N.Praveenkumar	Dr. Mahalingam College of Engineering And Technology
3	Mr. Mohamed Rafath R	Rajalakshmi Engineering College
4	Dr.T.G.Sakthivel	Panimalar Institute of Technology
5	Mr. M. Maheswaran	Sri Venkateswara College of Engineering
6	Mr. Yogesh B	Meenakshi Sundararajan Engineering College
7	Mr. Pavan P	Rajalakshmi Engineering College
8	Mr. Purushothaman K	Sri Venkateswara College of Engineering
9	Mr.Gowtham.M	Sri Venkateswara College of Engineering
10	Mr.A Parameshwar	Sri Venkateswara College of Engineering
11	Mr. D.Bennett Joseph	Sri Venkateswara College of Engineering
12	Mr. Manish R	Sri Venkateswara College of Engineering
13	Dr.S.Premnath	Sri Venkateswara College of Engineering
14	Mr.K.Sivasubramaniyan	Meenakshi Sundararajan Engineering College
15	Mr. J. Dhanabal	Sri Venkateswara College of Engineering
16	Mr. F Aadil Arshad	Velammal Engineering College
17	Mr. Vishraanth Prabhakar	Sri Venkateswara College of Engineering
18	Mr.BI.Sethuraman	Sri Venkateswara College of Engineering
19	Mr. Nandagopal G	Sri Venkateswara College of Engineering
20	Mr. Gowtham N	Sri Venkateswara College of Engineering
21	Mr. Jani Dilip Batukray	Government Engineering College, Dahod
22	Mr. Avinash B	Sri Venkateswara College of Engineering
23	Mr. Ramanjaneyulu Kolla	Sri Venkateswara College of Engineering
24	Mr.S.Sudharsan	Sri Venkateswara College of Engineering
25	Dr. R Murugan	Panimalar Institute of Technology
26	Mr. Aravindan. S	Meenakshi Sundararajan Engineering College
27	Mr. G V. Pavin	Sri Venkateswara College of Engineering
28	Mr. R.Giridharan	Sri Venkateswara College of Engineering
29	Mr.Duraimurugan P	R.M.K. Engineering College
30	Mr. A. Yashwanth Kumar	Sri Venkateswara College of Engineering
31	Mr. B.Kavin	Sri Venkateswara College of Engineering
32	Ms.R. Riddhika	Sri Venkateswara College of Engineering
33	Mr. Arunshankar M	Sri Venkateswara College of Engineering
34	Ms.R.Sathvika	Meenakshi Sundararajan Engineering College

Sl. No.	Full Name of the Participant	Name of the Organization(College / University / Industry)
35	Mr. Gowtham S	Sri Venkateswara College of Engineering
36	Ms. Mandiga Amrutha	Pragati Engineering College
37	Mr. R. Sakthivel	Sri Venkateswara College of Engineering
38	Mr.Sriram Murugappan.M	Sri Venkateswara College of Engineering
39	Mr.Jasparjeyanthj	Sri Venkateswara College of Engineering
40	Mr.P. Naveen Srinivas	Bvc College of Engineering Rajahmundry
41	Mr. Rohit Aradhya	Sri Venkateswara College of Engineering
42	Dr. K. R. Vijaya Kumar	Dr. M.G.R Educational And Research Institute
43	D. Staines Samuel	Sri Venkateswara College of Engineering
44	Mr. Yukesh M	Sri Venkateswara College of Engineering
45	Mr. Doppala.Prasad	Pscmr College of Engineering & Technology
46	Mr. R. Nirmal Kumar	C. Abdul Hakeem College of Engineering And Technology
47	Mr. B.K.Vikneshkannan	Theni Kammavar Sangam College of Technology
48	Mr. Manoj Prakashan	Sri Venkateswara College of Engineering
49	Mr. Sriram Maheswaran	Sri Venkateswara College of Engineering
50	Mr.Sp.Solaiyappan	Sri Venkateswara College of Engineering
51	Mr. K Paul Durai	Sri Venkateswara College of Engineering
52	Mr. Vinoth N	Sri Venkateswara College of Engineering
53	Mr. Ravi G	Sri Venkateswara College of Engineering
54	Mr.E.Gopalakrishnan	Sri Venkateswara College of Engineering
55	Mr.Nithesh R B	Sri Venkateswara College of Engineering
56	Mr.S.Gnanaprakash	Sri Venkateswara College of Engineering
57	Mr.Jeevith P	Rajalakshmi Engineering College
58	Mr. Avinash Gudimetla	Pragati Engineering College
59	Mr.Gunaseelan. K	Sri Venkateswara College of Engineering
60	Mr. Kalaranjan	Sri Venkateswara College of Engineering
61	Mr. Kishore Kumar M	Sri Venkateswara College of Engineering
62	Mr.k.c.Jayakar	Sri Venkateswara College of Engineering
63	Mr. Shree Ram Vishaal S	Sri Venkateswara College of Engineering
64	Mr. B Guruviknesh	Sri Venkateswara College of Engineering
65	Ms.Anuradha R	Sri Venkateswara College of Engineering
66	Mr. Sivasankaran K	Sri Venkateswara College of Engineering
67	Mr.Gokulan.R	Sri Venkateswara College of Engineering
68	Piriyadarshan U	Sri Venkateswara College of Engineering
69	Mr.V.Balasubramani	Sri Venkateswara College of Engineering
70	Mr. Balasubramanian A	Sri Venkateswara College of Engineering
71	Mr. Pushkar Mahajan	Mahindra Truck & Bus
72	Mr Yuvaraj R	Sri Venkateswara College of Engineering

Prepared by Faculty Name, Designation & Dept.


A. K. Boobalaseshthiraj,
 Assistant Professor,
 Department of Automobile Engineering.


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