



SAKTHIVEL R AUT <rsakthivel@svce.ac.in>

Invitation: Guest Lecture on "Trends & Challenges in Vehicle Dynamics" - 28th April 2023 - Reg - reg

SAKTHIVEL R AUT <rsakthivel@svce.ac.in>

Fri, Apr 28, 2023 at 7:48 AM

To: HoD AUT <hodae@svce.ac.in>

Dear Sir,

Hereby I have enclosed the Brochure for Guest Lecture on "Trends & Challenges in Vehicle Dynamics". Kindly forward this mail to SVCE Faculty members.

Dear Sir/Madam,

SAE Collegiate Club of SVCE in association with SAEISS Oragadam Division and Association of Automobile Engineers is organizing a Guest Lecture on "**Trends & Challenges in Vehicle Dynamics**" for the benefit of students and faculty members. The brochure is enclosed for your reference.

Experts: Dr. Jaiganesh Subbian, Principal Scientist, Global R&D Asia, Apollo Tyres Ltd.

Date & Time: 28th April 2023 & 10.30 a.m. to 12.00 noon.


Venue: Video Hall, SVCE

We cordially invite all to participate in this Guest Lecture.

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Regards,**R. Sakthivel**

Assistant Professor - Department of Automobile Engineering
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur - 602117
Tamilnadu, India

Phone : +91-44-27152000 **Extn.:** 454**Mobile :** +91- 9597459778**E-mail :** rsakthivel@svce.ac.in

 **Lecture Brochure.pdf**
203K



SAE COLLEGIATE CLUB OF SVCE
&
ASSOCIATION OF AUTOMOBILE ENGINEERS



ORGANISES A LECTURE MEET
ON

**"Trends & Challenges in
Vehicle Dynamics"**

BY

Dr. Jaiganesh Subbian,
Principal Scientist, Global R&D Asia, Apollo Tyres
Ltd.

ALL ARE INVITED

**SCHEDULED ON
28TH APRIL 2023**

**VENUE - VIDEO HALL
TIMINGS - 10.30 AM - 12.00 PM**

CONVENER

Dr. J. VENKATESAN,
PROFESSOR & HOD/ AUT.
Dr. V. GANESH,
ASSO. PROFESSOR & A.HOD/AUT

COORDINATORS

Mr. R. SAKTHIVEL,
ASSISTANT PROFESSOR.
Mr. A. K. BOOBALASENTHILRAJ,
ASSISTANT PROFESSOR



Sri Venkateswara
College of
Engineering



Report on Event

On 28th April 2023, the SAE Collegiate Club of SVCE, in collaboration with SAEISS Oragadam Division and Association of Automobile Engineers, hosted a guest lecture on "Trends & Challenges in Vehicle Dynamics." The event was held at the Video Hall, SVCE, providing an invaluable platform for students and faculty members to delve into the ever-evolving field of vehicle dynamics. Dr. V. Ganesh, Associate Professor & Assistant Head of the Department of Automobile Engineering, commenced the event with a warm and welcoming address. In his introduction, Dr. Ganesh emphasized the significance of the topic and its vital role in the automotive industry. He introduced the esteemed guest speaker, Dr. Jaiganesh Subbian, Principal Scientist at Global R&D Asia, Apollo Tyres Ltd., and expressed how his expertise would enrich the audience's understanding of vehicle dynamics.

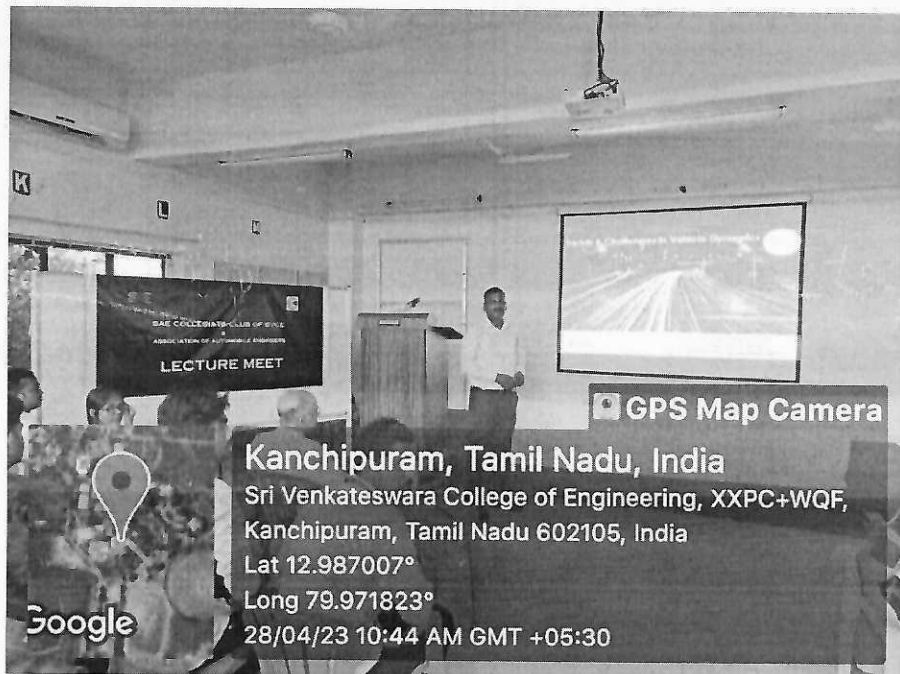
Dr. Jaiganesh Subbian took the stage to deliver his address on "Trends & Challenges in Vehicle Dynamics." The guest lecture focused on the emerging trends in vehicle dynamics technology, shedding light on the latest advancements and innovations in the field. Dr. Subbian's engaging presentation captivated the audience as he discussed the significant impact of these trends on the automotive industry.

One of the key focal points of the lecture was the tire's crucial role in shaping vehicle dynamics. Dr. Subbian highlighted that tires are the only points of contact between the vehicle and the road surface, making their design and characteristics critical for various aspects of vehicle performance and safety. He stressed the importance of optimizing tire design to enhance handling, stability, and ride comfort. Dr. Subbian elaborated on several important tire design aspects that impact vehicle dynamics, including Tire Size and Type, Tire Tread Design, Tire Materials and Construction, Tire Pressure and Inflation, and Tire Load-Carrying Capacity and also addressed the challenges faced by tire engineers and manufacturers in achieving desired performance characteristics. These challenges include balancing trade-offs between grip and rolling resistance, designing tires that perform well across various temperatures and road conditions, and meeting safety and performance standards while considering environmental sustainability.

The interactive Q&A session that followed the presentation encouraged active participation and knowledge exchange. Attendees enthusiastically posed questions and sought clarifications from the

expert, further enriching their understanding of the topic.

The event concluded with a Vote of Thanks delivered by Mr. R. Sakthivel, Assistant Professor, Department of Automobile Engineering, expressing gratitude to Dr. Jaiganesh Subbian for his enlightening session and acknowledging the efforts of all those involved in organizing the event.





(Mr. R. Sakthivel, AP/AUT)

(Dr. J. Venkatesan, HoD/AUT)

LECTURE MEET

Trends & Challenges in Vehicle Dynamics

28.04.2023

Attendance Sheet

Sl. no	Register no	Name	Department	Year	Sign
1.)	190101016	B. Karim	Automobile	4 th	B. Karim
2.)	200101002	Abinaya . S	Automobile	III	Abinaya
3.)	200101020	Ramshan kar. V. S	Automobile	III	Ramshan kar
A.)	200101018	Prasanth . S	Automobile	III	Prasanth
5.)	200101007	Dhanush Kumar . M	Automobile	III	Dhanush
6.)	200101012	Kalaisehvan . P	Automobile	III	Kalaisehvan
7.)	200101005	Balabharathi . N	Automobile	III	Balabharathi
8.)	200101014	Manish . N	Automobile	III	Manish
9.)	200101009	Eshwar . P	Automobile	III	Eshwar
10.)	200101017	Mitesh . M	Automobile	III	Mitesh
11.)	200101016	Mathivanan . K	Automobile	III	Mathivanan
12.)	200101006	Devijal Rukon . A	Automobile	III	A. Rukon
13.)	200101001	Abdul Kalam . K	Automobile	III	Abdul Kalam
14.)	200101025 Shyam	shyam kumar .	Automobile	III	Shyam
15.)	200101009	Praveen . B	Automobile	III	Praveen
16.)	200101031	Yadhu krishnan	Automobile	III	Yadhu
17.)	200101013	Kumar . S	Automobile	III	Kumar
18.)	200101008	Dhanush Kumar	Automobile	III	S. Dhanush
19.)	200101032	Yusuf Rajan . P	Automobile	III	P. Yusuf

LECTURE MEET

Trends & Challenges in Vehicle Dynamics

28.04.2023

Attendance Sheet

Sl. no	Register no	Name	Department	Year	Sign
20)	45	S. MUGUNTHAN	mech	II	S. MUGUNTHAN
21)	2127201001 314	A. RAJESH KUMAR	MECH	III	A. Rajesh
22)	2127201001 313	D. Pravin	Mech	III	D. Pravin
23)	2001010 26	G. SEVA SEKAR	AUT	III	G. Seva
24)	2127200101011	Hemant Kishore .M	AUT	III	Hemant
25)	2127200101 030	S. Vijayakumar	AUT	IV	S. Vijayakumar
26)	21272001 01027	K. Thangaraj	AUT	IV	K. Thangaraj
27)	212720100 1072	Surya Prakash. B	Mech-B	III	Surya
28)	212720100 1073	Sylendra Prabhan	Mech-B	III	Sylendra
29)	201001302	Barath N	mech	III	Barath N
30)	21272101010 15	R. Tharika	Auto	III	R. Tharika
31)	2127210101 303	K. Madhavan	AUT	II	K. Madhavan
32)	2127 302	kaleeshwaran	AUT	II	Kaleeshwaran
33)	13	Sanjay. R	AUT	II	Sanjay R
34)	4	ARUNMOZHIELA	AUT	II	Arunmoh
35)	5	Asish	AUT	II	Asish
36)	2	Abinandhan	AUT	II	Abinandhan
37)	12	Pavan Krishna	AUT	II	Pavan
38)	305	Yeshwanth	AUT	II	Yeshwanth


39)	301	Jai bhav	AUT	II	
40)	8	Karthikeyan	AUT	II	
41)	06	K. Elango	AUT	II	
42)	09	Lokesh	AUT	II	
43)	01	Aakash R	AUT	II	
44)	07	Gautham Narayanan	AUT	II	
45)	14	J. Subin Siddharth	AUT	II	
46)	03	A. Aravind	AUT	II	
47)	304	B. Velmurali	AUT	II	



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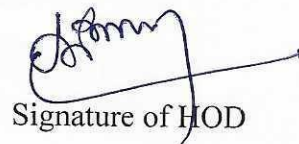
FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT : Automobile Engineering.

Name of the Speaker	: Dr. Jaigamesh Subbiah
Designation	: Principal Scientist, Global R&D Area,
Institution/University/Organisation	: Apollo Tyres Ltd.
Mobile / E-mail	: -
Title of the Lecture	: Trends & Challenges in vehicle Dynamics
Date	: 28-04-2023
Time	: 10:30am to 12:00 noon
Venue	: Urdeo hall, SVCE
Comments by the Speaker	: Very well organized. Students were Very attentive through out the session. Good Interaction with student.
Suggestions for improvement	: -
Signature of the Speaker	: 



Signature of Coordinator



Signature of HOD