

From

Mr.B.Gowthama Rajan (TTS 2288),
Assistant Professor,
Department of Automobile Engineering,
Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology

To

The Director Academics,
Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology

Respected sir

G. 24.0.2

Subject: Requesting permission and sponsor for workshop – Reg.

SAE India southern section is organizing a two day workshop on “Failure Mechanism and Prevention in Automotive Components” during 9th & 10th March 2018. The objective of this workshop is to provide the fundamentals of failure mechanism and basic knowledge for analyzing failed components and it's very useful for me learn about automotive components failure and analysis because I'm going to handle Ergonomics in Tractor Design and Vehicle Dynamics courses.

Hence I request your approval to attend the workshop.

Also provide me special leave for two days (March 9th & 10th 2018) and sponsor me the registration fees of Rupees four thousand.

S. No.	Particulars	Required
1	Special leave	2 days
2	Registration fees	Rs.4000

Kindly Approve

Thanking you

Prof. Dr. A. L. Ravichandran
Dean SoMC

Yours faithfully,

Mr. B. Gowthama Rajan
(Mr.B.Gowthama Rajan)

Recommended and forwarded to DA Sir.
Dr. Arunala Justus Selvam
Head of the Department
Automobile Engineering
Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
Approved by the Institute Council
16/02/2018

About the Course

Most failure mechanisms are physical degradation of components due to operational conditions combined with component features like design, materials and surface treatments. Other failure mechanisms can result in technical faults without being destructive, like unacceptable increase of friction for a sliding sleeve valve. Both types of failure mechanisms are influenced by several factors that must be known to predict the presence and severity of the mechanism.

Failure analysis is the process of analyzing a component/structure to determine the reason(s) for failure either during manufacturing, testing, inspection, delivery or application, etc. Life assessment of components/structures under applied load has become increasingly important in engineering design as it integrates results of stress analysis, materials behavior and the mechanics of failure into the design. To determine the root cause of a failure, analysis techniques are employed to understand the failure mechanism.

Characterization of engineering metals and alloys has been globally recognized, as an important step in quality assurance programs and in improving the productivity of industrial units. The role of metallography in obtaining controlled microstructure for improving the service life of components is being increasingly appreciated. Metallographic techniques are also extensively used for assessment of their remaining useful life.

The objective of this workshop is to provide the basic knowledge for analyzing failed components/structures. The workshop will provide the fundamentals of failure mechanism, reasons for failure, and remedial actions required before failure. This course is designed to provide the knowledge to bridge the gap between theory and practice of failure analysis. Case studies would also be presented.

Course prerequisites

All practicing Engineers / Executives/ Managers/ R&D Professionals, faculty, with or without experience, interested in any field of product development are eligible to attend this course.

Mode of payment

Demand Draft / Cheque in favor of
"SAE INDIA Southern Section TopTech", payable at Chennai.
Bank Account Number : 32506111653
Bank Name & Branch : State Bank of India, Kottur
MTCR Number : 600002023
IFSC Code : SBIN0001669
PAN No : AABAS2734H

Who should attend?

Engineers, executives, Managers, R&D professionals, faculty with affinity to Automotive Engineering and interested in any field of product development like design, marketing, testing, manufacturing, CAD, Engineering Analysis

Registration fees

Rs. 13,000 per delegate for Non-SAEINDIA Member

Rs. 10,000 per delegate for SAE INDIA Member

Rs. 4,000 per faculty Advisor

Venue

Hotel Radha Regent

171, Jawaharlal Nehru Salai (100 Feet Road),
Arumbakkam, Chennai – 600106.



Applying for membership

Visit: www.saeiss.org

TOPTECH on FAILURE MECHANISM AND PREVENTION IN AUTOMOTIVE COMPONENTS

9th & 10th March 2018
Time: 9.00 a.m to 5.00 p.m

at Chennai

We confirm the following will attend the above Seminar :

Name : B. Ganesan Rajan
Designation: Assistant Professor
Company: Vel Tech University
Address: Vel Tech Regional Engineering College, Vellore
P.O. D. J. Nagar, Vellore
Arundhati, Chennai
Email: ganesan.raj@veltech.edu.in


Signature:

Please email/post the registration form duly filled, on or before 5th March 2018 to:

Mr. M. Vasu
Accountant
SAEINDIA Southern Section
Block-1, Modules: 29 & 30, SIDCO Electronic
Complex, Thiru-Vi-Ka Industrial Estate, Guindy,
Chennai - 600032
Phone: 044-42188651-52
Mobile: +91 7639512198
Email: toptech@saeiss.org

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Program:

FAILURE MECHANISM AND PREVENTION IN AUTOMOTIVE COMPONENTS

Faculty :

Dr. R. Rajendran , Professor- SRM Institute of Science and Technology, Chennai.
Mr. V.P. Balaji , Leader - Materials - WABCO INDIA LTD.

Venue :

Hotel Radha Regent, Chennai.

Date: 09th & 10th March 2018

Participant:

Mr. B. Gowthamarajan

Organization: Vel Tech Rangarajan Dr.Sagunthala R&D Institute of
Science and Technology

R. Rajendran

Dr. R. Rajendran

Toptech Faculty

Mr. V.P. Balaji

Mr. V.P. Balaji

Toptech Faculty

Mr. S. Sriraman

Mr. S. Sriraman

Chairman