Feedback of Toptech

Topic   : **Engine Design and Development on Modern Days**
Date & Venue   : **18th & 19th March 2017, Hotel Lemon Tree, Chennai**
Faculty   : **Mr. S. Krishnan, Vice President, Ashok Leyland.**
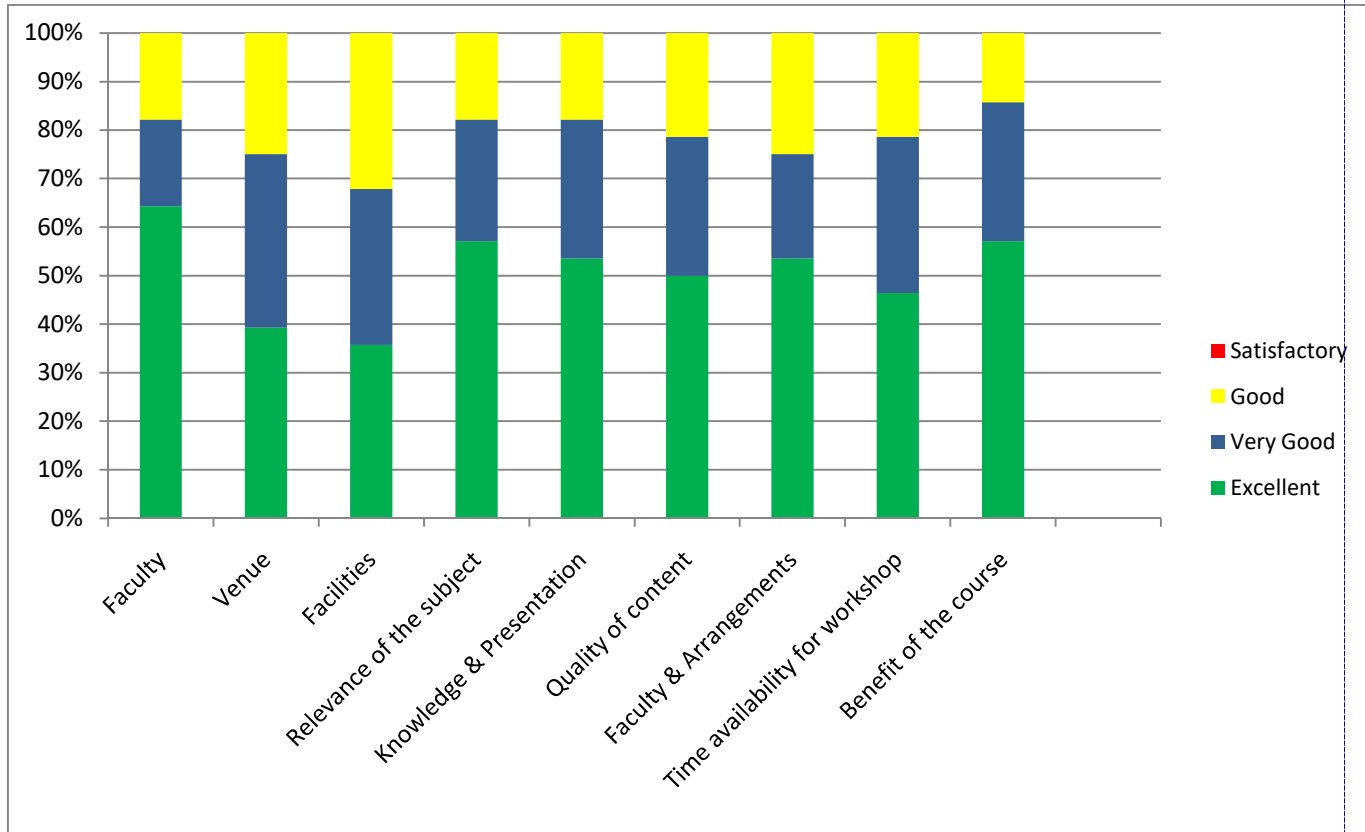No. of Delegates   : **28**

Suggested topic for future lecture meeting program

- ❖ Materials also should be shared.
- ❖ Detailed NVH Study on Engine
- ❖ Practical assembly and disassembly would be preferred to be understanding.
- ❖ Engine oil technical data.
- ❖ Detailed topics on Engine testing.
- ❖ Engine testing, Simulation Field condition in Engine test bed.
- ❖ HVAC Air conditioning.
- ❖ Experimental and Computational Analysis procedure in Engine development.
- ❖ Electronics, Engine- Detailed course.
- ❖ Try to arrange more sessions in coming days.
- ❖ More specific design for system level of component design.
- ❖ Engine power calculation, CRDI, High power to weight ratio engine.
- ❖ Heat balance, Heat Losses to be reduced by how means.
- ❖ Study materials related to the topics for reference.
- ❖ Better layout design of engine can be added.

Improvement suggested points

- ❖ Engine design and development program duration should be increased.
- ❖ Name of the program should be changed instead of toptech to seminar/workshop.
- ❖ Support detailed notes - Hard copy
- ❖ Create Whatsapp group so that we can contact when any doubt came.
- ❖ Make it 5 days program for more understanding.
- ❖ Two days is not sufficient. Days to be increased.

Program Feedback

Chart legend:
- Satisfactory (red)
- Good (yellow)
- Very Good (blue)
- Excellent (green)

Categories: Faculty, Venue, Facilities, Relevance of the subject, Knowledge & Presentation, Quality of content, Faculty & Arrangements, Time availability for workshop, Benefit of the course

Report

Toptech program on **"Engine Design and Development on Modern days"** was organized by SAEINDIA Southern Section on 18th & 19th March 2017, Saturday & Sunday at Hotel Lemon Tree, Chennai.

Speaker: **Mr. S. Krishnan, Vice President, Ashok Leyland**

Mr. C. Pradeep, Deputy General Manager, Mahindra & Mahindra, MC Member SAEISS, welcomed all the participants and the speaker on behalf of SAEINDIA Southern Section. He then introduced the speaker to the participants and then handed over the session to Mr. S. Krishnan.

Mr. S. Krishnan started the session with the participant introduction and then he started with the basic in the Engine Design and Development on Modern days. In the later session he started to explain the technology in the depth, How to design the engine components with best technologies to give customers to low rates.

Mr. Ganesh Prasad. M. V took the session about Engine DVVP, he explained about the design validation plan of the component. He explained about the how to validate the component with the correct design. Later Engine combustion session can be taken by Mr. Sundaram, Mr. Sunil Kumar Pandey, Mr. Saravana Venkatesh, Mr. Manojkumar. In this session Mr. Sundaram explained about turbocharger, how its work, what the methods and technologies in turbocharger to meet the upcoming engine technologies. Mr. Sunil kumar and Mr. Saravana venkatesh explain about the combustion in engines, one dimensional Thermodynamics and CFD simulation for performance and emission trends prediction and Mr. Sunil Kumar Pandey explains about the one Dimensional and Three Dimensional CFD simulation for combustion development activities. Mr. V.

Manoj kumar, explained about the Emission measurements of engine and how to meet the upcoming emission norms.

On next day Mr. M. Sathyanandhan explained about the electronics and fuel economy, how to reduce the fuel usage by using electronic controls and sensors and how to increase the fuel efficiency of the engine. Later Mr. G.Senthil kumar explained about the alternate fuels of engine, what are the alternate fuels can be used in engine with minimum of emission and finally Mr. Manikandan explain about the engine assembly and dismantling, procedure to dismantle the engine and proper tool usage.

Mr. B. Srinivasan, MC Member SAEISS, took over the valedictory session on the second day evening and thanked everyone for attending the toptech program. He also thanked the speaker for his knowledge sharing and presented with the memento and issued the certificates to the participants.

Toptech Champion: Mr. B. Kumaran, MC Champion: Mr. R. Armstrong.
Prepared by: Ashok kumar .M