

Feedback of Toptech

Topic : **Automatic Transmission**
Date & Venue : **27th & 28th October 2017, Hotel Ambica Empire, Chennai**
Faculty : **Mr. M. Khader Basha, Mr. M. RAMESH KUMAR,
Mr. S. Mathi, Mr. Neeraj Kumar Surana &
Mr. Pramod Kumar Varanasi, CVRDE, DRDO**
No. of Delegates : **7**

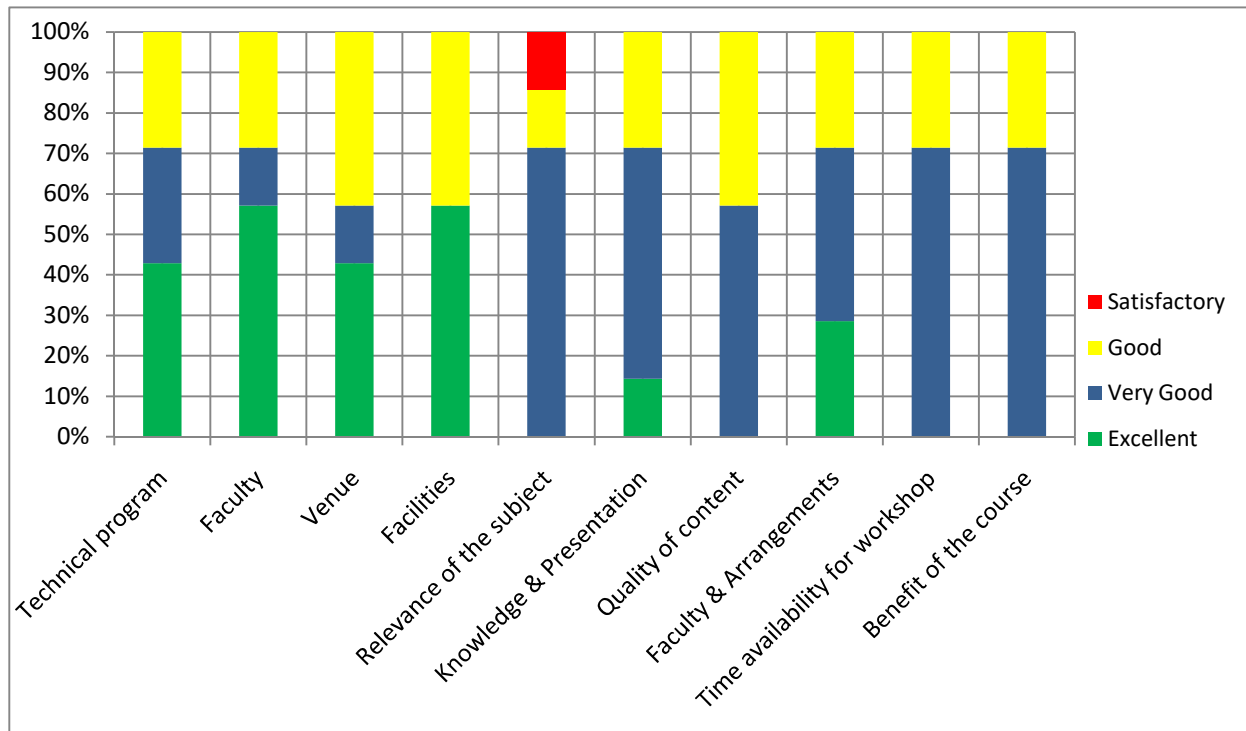
Suggested topic for future Toptech program

- Modeling and Analysis of Gear Box with examples.
- Vehicle Level Application Requirements, Cooling System Requirements, Performance Predictions should be included in the class.
- Validation and Calibration of AT, AMT and DCT.
- Testing of Automatic Transmission, AMT and DCT.
- Theoretical simulation in details of an automotive transmission fuel economy prediction.

Improvement suggested points

- More practical approach should be incorporated with the use of videos.
- Related to automotive transmissions are required.
- Application oriented, interface design required.

Program Feedback



Report

SAEINDIA Southern Section conducted the Toptech program on “Automatic Transmission” was organized on 27th & 28th October 2017, Friday & Saturday at Hotel Ambica Empire, Chennai.

Speaker: **Mr. M. Khader Basha, Mr. M. RAMESH KUMAR, Mr. S. Mathi, Mr. Neeraj Kumar Surana & Mr. Pramod Kumar Varanasi, CVRDE, DRDO.**

Mr. Aiyappan Ramamoorthy, MC Member, SAEINDIA Southern Section took the inaugural session of the 2 days toptech program on Automatic Transmission. He welcomed all the participants for the toptech Automatic Transmission. He introduced the faculties to the participants. He also thanked Mr. Khader Basha and handed over the session to him.



Mr. Khader Basha thanked Mr. Aiyappan Ramamoorthy, MC Member, SAEINDIA Southern Section for his introduction. He started with the basics of the Automatic Transmission Systems. He explained the function and requirements for the Automatic Transmission.



Mr. Pramod Kumar Varanasi, Scientist, CVRDE, DRDO took the session after the morning tea break. He elaborated the working of the Automatic Transmission's Drivetrain and its Design of the Automatic Transmission for the participants.



Mr. Pramod Kumar Varanasi, Scientist, CVRDE, DRDO took the session after the lunch session. During his afternoon session he explained the Hydrodynamic System for Automotive Vehicle.



Mr. Neeraj Kumar Surana, Scientist, CVRDE, DRDO took the 4th session of the afternoon tea break. He explained the Vehicle Performance which is running through the Automatic Transmission.



On the second day Mr. M. RAMESH KUMAR, Scientist, CVRDE, DRDO took the morning session on 28th October 2017. He explained the Selection of Gear Ratios of Transmission and Performance for the Automatic Transmission. In the second session he explained on PLANETARY GEARBOX to the participants. After completing the Planetary Gearbox he took the Design and Application of High Contact Ratio (HCR) gear.



After the lunch break Mr. S. Mathi, Scientist, CVRDE, DRDO explained on HYDRAULIC SYSTEMS AND ITS DESIGN FOR AUTOMATIC TRANSMISSION.



Mr. Khader Basha thanked all the participants for their involvement and participation for the program. He distributed the certificate to all the participants. Mr. Khader Basha presented the memento to speakers and thanked them for their thought opening speech.



All the participants took a group photo with the faculties of the toptech program.



Prepared by: N. Swaminathan