

SAEISS SKIP PROGRAM REPORT

Topic	:	STEERING SYSTEMS & VEHICLE HANDLING
Date	:	03 rd and 4 th November 2017
Speaker	:	Mr. S. Radhakrishnan, (Rtd) Vice-President (R&D) Rane Steering,
Total Strength	:	71 Students
Total colleges	:	08 colleges
Venue	:	MLR Institute of Technology, Hyderabad.

Suggested Topics for Future SKIP Program:

- ❖ Hybrid Cars, Safety of Automotive Engineering
- ❖ CFD
- ❖ Latest Transmission Technologies
- ❖ Suspension System and its Geometry
- ❖ Future trends in automobile
- ❖ Electric and Hybrid Vehicles ,ECU
- ❖ Power train
- ❖ Future trends in IC engine
- ❖ Aerodynamics of vehicles
- ❖ Power engines
- ❖ Hydro technic power plant, thermal power plant
- ❖ Engines and suspensions in automobile
- ❖ Electrically powered vehicles
- ❖ Breaking systems
- ❖ 3D printing, Suspension Design
- ❖ Vehicle safety
- ❖ Power train systems and analysis

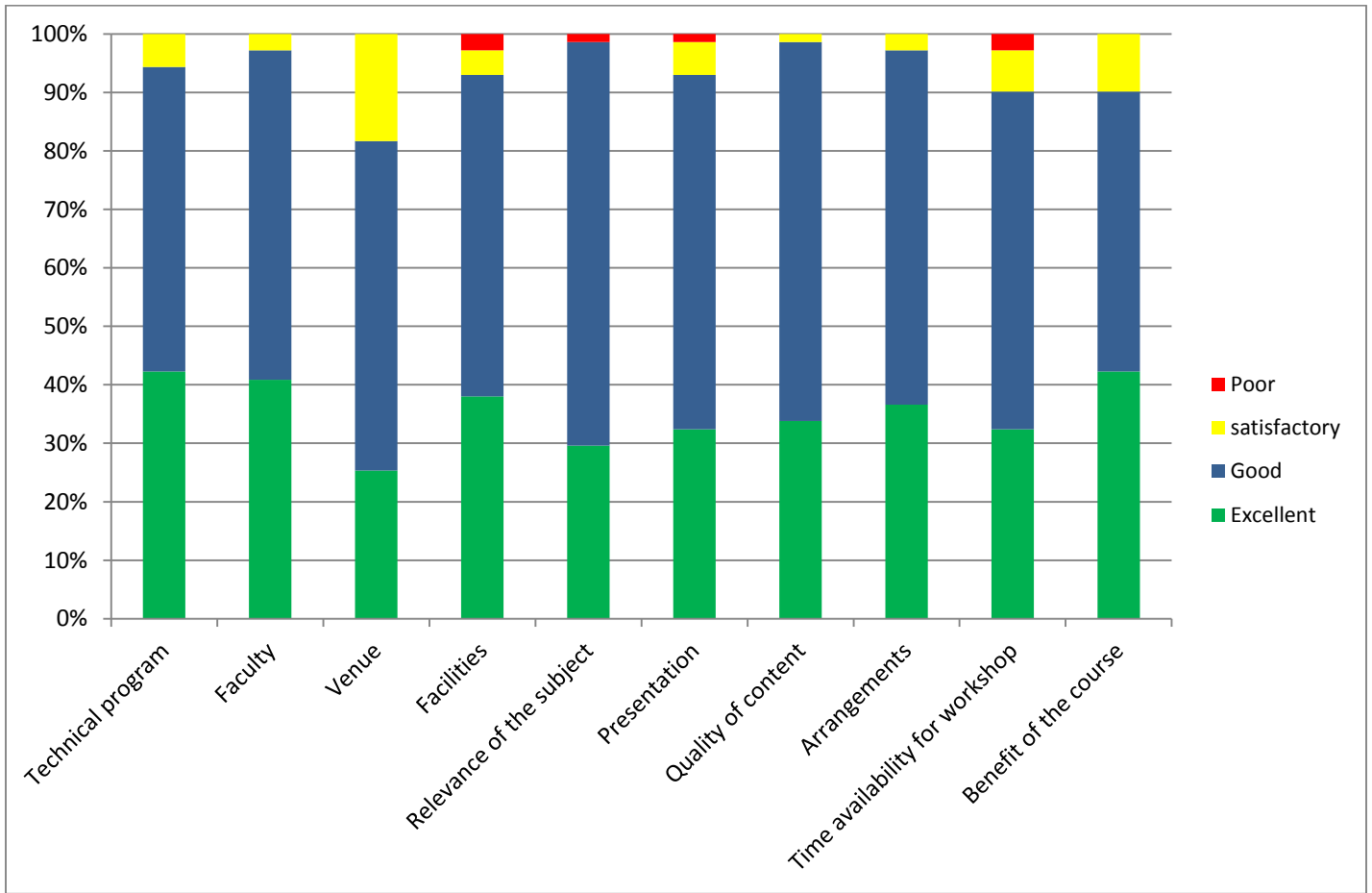
Special Suggestion Points:

- ❖ Some practical exposure or hands on experience will be more helping
- ❖ It was good and informative
- ❖ Good program, Interactive
- ❖ If possible make it a 3 day workshop so that many examples can be explained
- ❖ Try to provide accommodation for other state students
- ❖ It would be better if calculations were also taught

Objective:

To provide a good grounding in the fundamentals of Steering Systems & Vehicle Handling, in addition to enhancing awareness of the various concepts and technologies available as well as the future trends in these areas.

Criteria and Comments about the program:



Report

SKIP program on topic of “**STEERING SYSTEMS & VEHICLE HANDLING**” was organised by SAEINDIA Southern Section on **03rd and 4th November 2017** at **MLR Institute of Technology, Hyderabad**.

The program started with the inauguration of SKIP Program Chief Guest T. V. Shiva Rao, Director, T&AS Design Tech Services Pvt. Ltd, Hyderabad, Technical resource person Mr. S. Radhakrishnan, Sri. Marri Laxman Reddy – Chairman, MLR Institutions and Sri. Marri Rajashekar Reddy, Secretary of MLR Institutions, Dr. P. Bhaskara Reddy, Director and Principal, Dr. S. Madhu, Head of the Mechanical Engineering Department, Dr. M.S.N. Guptha, Head of the Aeronautical Engineering Department, have inaugurated the SKIP Program. Dr. S. Karthikayan, SAEISS MC Member & Professor of MLRIT, Faculty advisors Mr. B. Subramanyam and Mr. P. Bridjesh have participated the function.



T. V. Shiva Rao has delivered the presidential address. His speech focussed on the importance of professional body activities, exclusively about SAE and advancement in automobile technologies. Dr. S. Karthikayan highlighted the achievements of the MLRIT Collegiate Club.



The Speaker Mr. S. Radhakrishnan discussed various technological advancements in vehicle steering and suspension systems and also addressed the queries related to SAE competition like Tractor Design Challenge, SUPRA, and BAJA.



He also explained the under steering, neutral steering and over steering with video and Manual Steering Gears/ Mechanisms, Hydraulic Power Steering Gears & Mechanisms, Electro-Hydraulic Power Steering Gear(EHPS) so that the participants can easily understand and utilize the entire workshop.



During the valedictory session Dr. S. Madhu, Head of the Mechanical Engineering Department took over. Then he requested the participants to say about their view regarding the program and their feedback about it.



Dr. S. Karthikayan, Professor, MLRIT & MC Member of SAEISS detailed the upcoming SKIP, Trek events and factory visits in Hyderabad division. Also the student members were requested to utilize the SAEISS activities in Hyderabad division. Mr. S. Radhakrishnan distributed the certificate to the participants.



SAEISS thanked MLR Institute of Technology for hosting the SKIP Program in their college and Mr. S. Radhakrishnan presented the memento to Host institution. Dr. S. Madhu, Head of the Mechanical Engineering Department Felicitated the speaker with the memento as the token of appreciation for conducting such a value added program to the student community and making the event a grand success.

SKIP Champions : Mr. B. SenthilKumar, Champion, SAEISS
Dr. S. Karthikayan, MC Member SAEISS,

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