

REPORT OF “RESEARCH METHODOLOGY” & “FACULTY ADVISER FORUM”

Program	: Research methodology & Faculty Adviser Forum
Venue	: MLR Institute of Technology, Hyderabad
Date	: 19th to 24th June 2017
No of Participants	: 32



SAEINDIA Southern Section conducted “Research methodology” & “Faculty Adviser Forum” on 20th to 24th June 2017 at MLR Institute of Technology. Dr. K. Bhanu Sankara Rao, Ministry of steel chair Professor, Dr. V. Ganesan Emeritus Professor IIT Madras, Dr. P. Bhaskara Reddy, Principal of MLR institute of technology, Dr. V. V. S. S. Srikanth, School Of Engineering And Sciences, MLRIT honored the program with their presence. Totally 32 faculty advisors from various collegiate clubs of SAEINDIA Southern Section attended the program as participants.



Lamp lightening ceremony by the chief guest Dr. K. Bhanu Sankara Rao, Ministry of steel chair Professor, Dr. V. Ganesan Emeritus Professor IIT Madras, came forward to inaugurate the workshop on Research Methodology & Faculty Adviser Forum.

On the 20th June, 2017, program was started with the Welcomed address by Dr. V. Radhika Devi, Head of the Department, Humanities & Science. She welcomed Guest of honor Dr. K. Bhanu Sankara Rao, Ministry of steel chair Professor, other dignitaries and faculty participants from various colleges for the program.



Press Meet after Inauguration



Our Guest of honor Dr V. V. S. S. Srikanth, Associate Professor, gave a lecture on Research Methodology gave a quote that **“Research needs a huge undertaking in various aspects”** – motivation, commitment, skill, resource, team work, time, readiness to accept failure, attitude to learn.



Mr. S. Narender, DRDO, gave lecture on Research Methodology (case study), Types of Research, Research Approaches, and Significance of Research.

Dr.Y. Srinivasa Rao, Scientist G, RCI, gave case studies on research for the faculty advisors. He divided the facility into groups and gave a topic for each group, made them to do presentation on each topic.

Dr. Gururaj Telasang, ARCI, gave lecture on research methodologies in emerging fields like Ultra Fast micro processing, 3d printing, Laser surface engineering (hardening, cladding, alloying, texturing), Laser welding and brazing (including laser-arc hybrid), Micro processing (surface texturing, drilling, scribing).



Dr. V. Ganesan Emeritus Professor IIT Madras. Dr P Lakshmi Santhi from SciTech Patents

On 21st June 2017 Dr. V. Ganesan, Emeritus Professor IIT Madras, spoke about formulation of objectives on research, Experiments, Types of hypothesis to consider before getting into research.

Dr. P. Lakshmi Santhi from SciTech Patents gave lecture on standard pattern and procedure for publishing journals, importance of patents, in detail procedure to get patents.



Prize winner of Case Studies Presentation

On 22nd June 2017 regarding the case studies all faculty advisors did their presentation as Teams. The prize is awarded by Dr. Kiran and Dr. Suryanarayana for the best presentation teams.

On 23rd June 2017 all the participants of Faculty Advisor Forum are divided in to two groups ARCI & RCI and Mahindra & Mahindra. In ARCI they explained about the process of Detonation spray coating, Electron beam physical vapour deposition, Cathodic arc physical vapour deposition, Pulsed electro-deposition coatings, Cold spray coating, Micro arc oxidation, Laser surface engineering (hardening, cladding, alloying, texturing), Laser welding and brazing (including laser-arc hybrid), Micro processing (surface texturing, drilling, scribing), 3D printing, Laser based repair and refurbishment of components, Laser and laser assisted machining.



Group photo at ARCI



Group Photo at Mahindra & Mahindra

In RCI they explained about Ballistic missile, Cruise missile and the components like microprocessor, gps, propellents used in the rockets of various missiles like agni, trisul, Brahmos. In Mahindra & Mahindra they shown about the process of line production and assembly section in plant.



After completing the factory visit, Mr. S. Shanmugam, Managing Director- DDIPL explained about the need Faculty Advisor Forum program to participants. He also thanked all the faculty for attending the program.



On 24th June 2017 Faculty Adviser Forum program was started with the Warm Welcome address by Mr. C. Siva kumar, Champion Faculty Adviser Forum SAEISS. He welcomed Mr. S. Sriraman, Chairman SAEISS, Dr. E. Rajasekar, Secretary SAEISS, Dr. P. Bhaskara Reddy, Principal of MLR IT and Mr. T Kasiraja, Treasurer.

Mr. S. Sriraman, Chairman of SAEISS explained about the activities of SAEINDIA Southern Section to the participants of Faculty Advisor Forum.

Dr. E. Rajasekar, Secretary SAEISS explained about the need Faculty Advisor Forum program to participants. He also thanked all the faculty for attending the program.



Team Building Session

Mr. D. Balaji RNTBCI, Mr. C. Siva Kumar conducted the session on team building. Team building activities are designed to help the participants to develop group activities, effective communication & problem-solving skills.



During the valedictory function, a memento is given to the MLR Institute of Technology and the certificates are distributed to all the faculty advisors by Mr. S. Sriraman, Chairman of SAEISS, Dr. Y. Srinivasa Rao , Scientist G, RCI, Dr. Gururaj Telasang ,ARCI, Dr. E. Rajasekar, Secretary SAEISS, Mr. T Kasiraja, Treasurer, Mr. C. Siva Kumar, Champion Faculty Advisor Forum.



Faculty Advisor Forum group photo

All the participants of Faculty Advisor Forum thanked SAEINDIA Southern Section for organizing such a wonderful program for the faculty advisors and gave some suggestion.

Suggestion to this fa forum

- It is very interactive among different people enrich knowledge and have confidence to move forward
- Let us know the fields in which research going on presently
- Planning should be maintain as per time
- More number of such programs must be conducted in all divisions
- Good resource persons
- Wonderful arrangements and hospitality provided by MLR IT
- Very well organized but the duration of the week and the compulsion of night stay at the campus even for the locals and didn't let we attend the first 3days .it could be a open choice and that could help participants attend the whole week.
- We went to industry but not able to see the process line
- Information sharing and exchanging of views among each other.

Suggestion for Future FA Forum:

- We need more interaction in lecture.
- Conduct workshop on aerospace engine domine.
- Conduct many workshops in which students and faculty can participate.
- Technical activities can plan in fun way
- Plan many more meetings in future.
- Need faculty forum twice in a year.
- Need more industrial visits.
- Instead of focusing much on weaker sections, kindly help on the developing sections as well.
- It's better to give guidance regarding PhD program.
- F A forum must be for one week and industry oriented.
- Conduct any sport activities.
- Include some activities between sessions.

Champion : Mr. C. Siva Kumar.

Prepared by: Mr. S. Sarath.