

A 3 day Workshop on “Creative Thinking, Innovation and Problem Solving”.

The Tomorrow's Engineers Club organized a three day workshop on “Creative Thinking, Innovation and Problem Solving” from 26/2/2018 to 28/2/2018 at Smt. Rajalakshmi Jayaraman Seminar Hall.

The brief details of the workshop are as follows:

Day 1 (26/2/2018):

The workshop was inaugurated on 26/2/18 by Dr. N. Gunasekaran, Principal, MVJCE and Prof. M Brindha, Vice Principal, MVJCE. Dr. N. Gunasekaran, Principal, MVJCE addressed the gathering & explained the importance of creativity & innovation to be adopted by Engineers for solving different problems. Total 54 students from various Engineering disciplines participated in the workshop.

The Facilitators for the 1st day of the workshop were Prof. Ravikanth Talluri (HOD, Dept. of Civil Engineering), Prof. Muralidhara R (Associate Professor, Dept. Of Civil Engineering), Prof. Jeeva B (Assistant Professor, Dept. of Electronics and Communication Engineering) & Prof. Sanchari Saha (HOD, Dept. of Information Science and Engineering).

1st day session started with a brief introduction of the workshop presented by Prof. Ravikanth Talluri. Prof. Jeeva B explained the aspects of engineering & attributes of an engineer. Prof. Muralidhara R given a brief outline on creative thinking, innovation & problem solving process. Total 6 teams with interdisciplinary participants (9 interdisciplinary participants in each team) were formed through a questionnaire session by Prof. Sanchari Saha and open ended problems were identified by those teams. Awareness on analytical & creative thinking skills was delivered by Prof. Sanchari Saha. Afterwards all the 6 teams given presentation on their identified problems.



A 3 day Workshop on “creative thinking, innovation & problem solving” by tomorrow's engineers club. Day1: 26-02-2018: Dr. N Gunasekaran, Principal, MVJCE, Prof. M Brindha, Vice Principal, MVJCE & 2 student participants lighting the lamp.



A 3 day workshop on “Creative Thinking, Innovation and Problem Solving” by Tomorrow's Engineers Club Day 1: 26-02-2018: Dr. N Gunasekaran, Principal, MVJCE addressing the gathering



A 3 day Workshop on “creative thinking, innovation & problem solving” by tomorrow's engineers club. Day1: 26-02-2018: Prof. Ravikanth Talluri, HOD-Civil Dept, giving a brief introduction of the workshop



A 3 day Workshop on “creative thinking, innovation & problem solving” by tomorrow's engineers club. Day1: 26-02-2018: Prof. Jeeva B, AP-ECE Dept, explaining the aspects of engineering & attributes of an engineer.



A 3 day Workshop on “creative thinking, innovation & problem solving” by tomorrow's engineers club. Day1: 26-02-2018: Prof. Muralidhara R, ASCP, Civil Dept, giving a brief outline on creative thinking, innovation & problem solving process



A 3 day Workshop on “creative thinking, innovation & problem solving” by tomorrow's engineers club. Day1: 26-02-2018: Teams discussing on identification of problem.

Day 2 (27/2/2018):

The facilitators for the 2nd day of the workshop were Prof. Muralidhara R (Associate Professor, Dept. Of Civil Engineering), Prof Jeeva B (Assistant Professor, Dept. of Electronics and Communication Engineering) & Prof. Sanchari Saha (HOD, Dept. of Information Science and Engineering).

Second day of the workshop started with the session on importance of thinking out of the box by Prof. Muralidhara R followed by another session on brainstorming on identification of issues around us by Prof. Jeeva B. Through these sessions participants understood the systematic approach for solving a particular problem.

Prof. Sanchari Saha explained the importance of team work & the need for appreciating creativity & ideas of others. Then the teams were asked to find the solution for the open ended problem they have chosen. The teams presented their solutions to the audience.

The open ended problems identified by 6 teams were:

- Team I- Dust Filter from Cigarette Filter.
- Team II –EX-PO-DET (Exhaust Pollution Detector).
- Team-III- Vector Sterilizing Quadcopter
- Team-IV- 3 R's (recycle, reuse, reduce) and Protection of Lakes.
- Team –V-Sight Via sound
- Team VI- Virtual Reality Smart Learning.



A 3 day Workshop on “creative thinking, innovation & problem solving” by tomorrows engineers club. Day2: 27-02-2018: Prof. Muralidhara R, ASCP, Civil Dept, delivering a session on importance of thinking out of the box.



A 3 day Workshop on “creative thinking, innovation & problem solving” by tomorrows engineers club. Day2: 27-02-2018: Prof. Jeeva B, AP-ECE Dept, delivering a session on brainstorming on identification of issues around us



A 3 day Workshop on “creative thinking, innovation & problem solving” by tomorrows engineers club. Day2: 27-02-2018: Teams presenting their idea



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Day 3 (28/2/2018):

The facilitators for the 3rd day of the workshop were Prof. Kavyashree C (Assistant Professor, Dept. of Computer Science & Engineering), Prof. Puvada Praveena (Assistant Professor, Dept. of Electrical Engineering) and Prof Jeeva B (Assistant Professor, Dept. of Electronics and Communication Engineering)

Types of stake holders & their Importance in problem solving were made clear to the participants by Prof. Kavyashree C & Prof. Puvada Praveena. The teams identified various stakeholders for their chosen problem & explained the importance of those stakeholders in their identified problem context. Objective & action plan was set by Prof. Jeeva B.

Finally the workshop concluded with valedictory programme. The dignitaries suggested all the teams to implement their proposed solution & make their idea successful. At the end, certificates were distributed to all the participants.



A 3 day Workshop on “creative thinking, innovation & problem solving” by tomorrows engineers club. Day3: 28-02-2018: Certificates were distributed to all the participants.

Outcome of the workshop: The participants understood the way to think out of the box, discover new areas of interest, application of different problem-solving skills in identifying solutions and the role of engineers in the society.