

## Report

### **"Three-day workshop on "Problem-solving skills-An Innovative and Creative approach" by Tomorrows Engineers Club."**

MVJ College of Engineering, "Tomorrow's Engineers club" had organised a three-day workshop on **"Problem-solving skills: An innovative and creative approach"** from

18<sup>th</sup> Aug 2016 to 20<sup>th</sup> Aug 2016. This workshop was organised for 40 new student participants from various disciplines of engineering.

The objective of the "Tomorrow's Engineers club" is to make its members successful inside and outside the classroom, by taking up engineering as a team sport, getting involved with other student members, discovering new areas of interest and developing practical and leadership skills.

Understanding the role of an engineer in society and recognising the need for problem-solving capability in tomorrow's engineers, the workshop provided a platform for the participants to think out of the box and come up with ideas to solve some open-ended problems around them.

In this three-day workshop, the student participants had an insight into

1. What is engineering? And marvels in the engineering field.
2. Importance of problem-solving skills, creativity and innovation in engineering.
3. A systematic approach towards problem solving.

The 40 participants from different disciplines were grouped into diverse teams; each team had to identify an open-ended problem around them. The problems the teams chose were **"Reduce the impact of disability(e.g. Visual disability)"**, **"urban flooding"**, **"waste management"**, **"Intelligent transport system"** and **"crime control"**. Each team came out with amazing ideas to solve the open-ended problem. Further, the teams will carry this as a technical hobby and implement their ideas in a period of 3 months.

The workshop ended with a valedictory note by Dr. B N Suresh, Governing Council Chairman, MVJCE. The driving force behind this club and the activities of the club are

Dr. B N Suresh, G C Chairman, Prof M Brindha, Vice Principal, MVJCE, Dr. Thyagarajan, Director-Research and Development, MVJCE, and the entire team and crew of “ Tomorrow’s engineers ” club



**Welcome Address by Prof. Brindha M, Vice Principal, MVJCE.**



**An Introductory talk by Prof. Muralidhara R, Associate Professor, Dept of Civil Eng.**



**Prof. Keerthi Pai, Department of Chemical Engineering, giving a talk on creativity and Innovation.**



**A talk on real-time examples of creativity and Innovation by Prof. Kavyashree, Dept of CSE.**







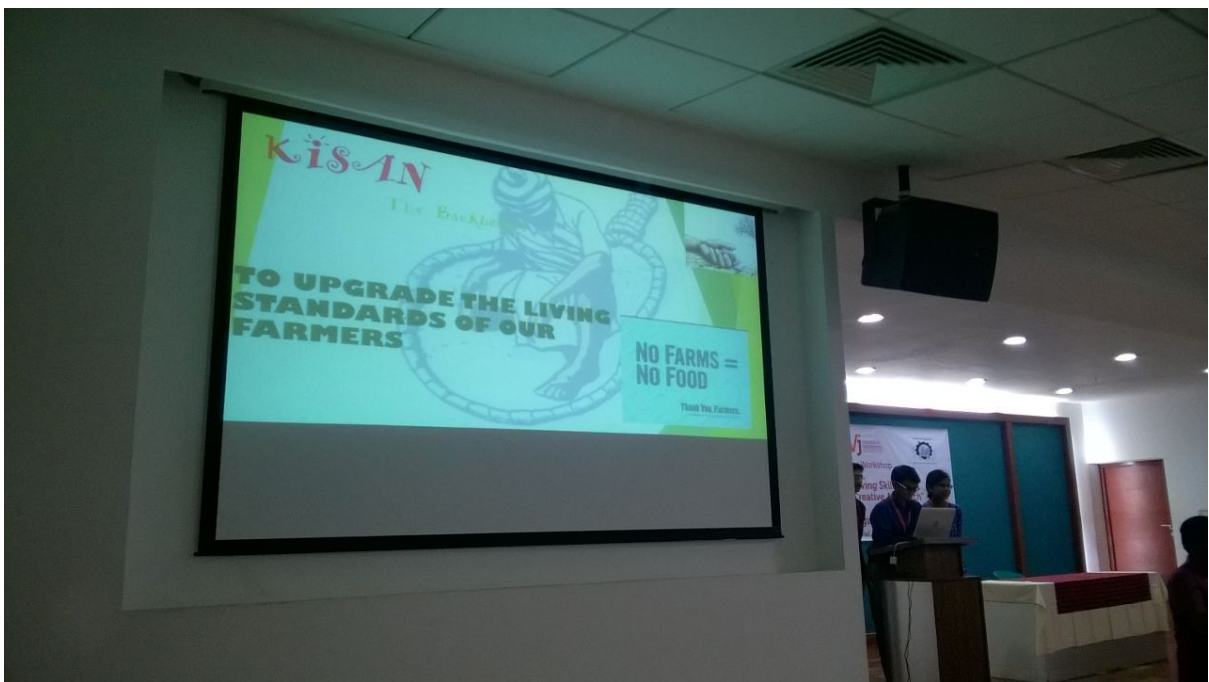
**Teams are presenting their ideas on the chosen open-ended problems.**



**Students are diverse team members discussing their ideas to solve a given problem.**



**Students are diverse team members discussing their ideas to solve a given problem.**



**Presentation by students on open-ended problems having societal impact.**





**Student presentation on problems and the stakeholders involved in a problem.**



**Student presentation on problems and the stakeholders involved in a problem.**



**Feedback given by students regarding the workshop.**





**Student presentation on problems and the stakeholders involved in a problem.**



**Valedictory Address by Dr. B N Suresh , Chairman, GC, MVJCE.**

