

# MVJ COLLEGE OF ENGINEERING

## DEPARTMENT OF EEE

### EVENT REPORT – GUEST LECTURE ON LIGHTING

Department of Electrical and Electronics organised a Guest Lecture titled “Lighting” on 4<sup>th</sup> of October 2017. The Lecture was attended by the students and faculty members of EEE department. The Lecture was delivered by experienced speakers from Indian society of Lighting Engineers, Karnataka State centre. The session started with the welcome address by HOD, EEE. Dr.N.Gunasekaran, Principal, MVJCE addressed the gathering and stressed the need for industry- institute interaction. Mr.M.G.Satyendra, Secretary, ISLE-KSC initiated the session and spoke about the organisation.

Dr.B.K.Chandrasekar delivered the next session and he covered the **Basic Metrics for modern Lighting**. He introduced some of the new terminologies related to lighting. He also spoke about the importance of Colour rendition Index (CRI) and Efficacy of a Light source. Mr.Satyendra gave the clear picture about the need and **importance of standards**. He also explained various standards available and the causes for increased importance of standards.

The next session on **interior lighting** was delivered by Mr.Madan Rawal, who is a lighting industry professional. The major topics covered by him are the basics of interior lighting, Light sources, Luminaires and the application. He also explained how the interior lighting should be done for residential, commercial and industrial buildings and he touched upon the controls available to vary the intensity of light.

Mr.N Ravi Rao, CEO, S R Electronics presented the session on **IoT in street light management**. He explained the role of IoT in street light management, quoting the example of Jamnagar Municipality by playing a video. He has shown some of the sensors which are used for efficient lighting and explained how the energy consumption can be reduced by proper method of control.

The last session energy **conservation opportunities in lighting in buildings** was delivered by Mr.Pradeep Nettur, a certified energy auditor. He explained the important terminologies involved in this. He also explained how day light can be effectively utilised to conserve the energy. At the end of this session students were given a chance to interact with the speakers. The session came to end with the vote of thanks proposed by a faculty member of EEE. The complete session was very much informative to the students as well as to the faculties.

HOD(EEE)