

## Report on Workshop of “Skill Development in various Engineering Sectors”

Conducted on 3<sup>rd</sup> and 4<sup>th</sup> of April, 2017 organised by IIPC, MVJCE

### 1.0 Introduction about the workshop:

The workshop was conducted in the motive to make students equipped with skills as expected from industry, the students among 2<sup>nd</sup> and 3<sup>rd</sup> year had to undergo 2 process of selection 1<sup>st</sup> being resume short-list and 2<sup>nd</sup> being personal interview.

Total no of Resumes Received – 450

Among the above received resumes 300 students were selected from above mentioned selection rounds

### 1.1 Details about Civil Department Workshop: “Watershed Management – Current status and future trends”

#### 1.1.1 Schedule:

TOPIC	PRESENTATION (Duration)	HANDS ON (Duration)	TIME	GUEST SPEAKER	VENUE	PARTICIPANTS
Drought Management “Watershed Modeling Techniques And Implementation”	45 MINS	45 MINS	01:45 PM to 03:15 PM	Dr. C N Prabhu, Scientist, KARNATAKA STATE NATURAL DISASTER MONITORING CENTER, Bangalore	Smt. Rajalakshmi Seminar Hall	350 participants

#### 1.1.2 About the Guest:

Dr C N Prabhu, Research Scientist in Karnataka state Natural Disaster Monitoring Centre , Yelahanka, Bangalore. He has 13 years of experience in research in the field of Disaster Management and 22 research paper publications so far. His **Ph.D** was awarded for **Marine Geology by Mangalore University, India in 2004.**

### 1.2 Summary about Lecture given on Water-shed management:

- The importance of was delivered by giving an explanation about hydrological cycle in nature, and what nature does o produce one ounce of water.
- Brief idea about Metereological drought, Hydrological Draught, Agricultural Drought was known
- Necessity of Watershed Management was understood by understanding of a small example, Only 3% of fresh water is available for entire population around the world , this being one of the major reasons to preserve and proper utilization of water.
- Brief idea about theoretical part of calculation of co-efficient of variation, planning of irrigation for agriculture, dry period, trend analysis, Potential Evapo Transpiration
- Graphs and pictorial representation of Karnataka receiving different amount of rainfall was presented, making us to understand about how much rainwater can be saved.
- Importance of rain-water harvesting
- Different kinds of rain water harvesting
- Guest invited students to the campus of KSNDC and involve themselves in projects, he also gave an idea about career opportunities in the KSNDC
- Lastly students and guest interacted in questionnaire session.

### **1.2.1Details about Workshop Activity:**

Based on the lecture, an activity was planned for students, below are the following details of the activity,

**1.2.1.1Aim of the Activity:** To make students understand the flow of run off rain water and plan the landscape according to its importance.

**1.2.1.2 Challenge of the activity:** They had to make a model mark the locations of the agriculture land, a village, road and a hill in such a way that the run-off water finally should be collected in the reservoir.

1. 18 teams were formed, each team containing 5 students.
2. Materials – OHP sheet/ Foil/plastic cover, A4 size sheet, Sketch pens

### **1.3Outcome of Workshop Activity:**

- The students showed their interest to become industry-ready by involving themselves in the workshop very efficiently and with lot of enthusiasm.
- They prepared the resume according to guide-lines given and also faced the personal interview with courage.
- During the workshop lecture and activity students participated actively.
- Analysing their Model of the activity it can be concluded that students understood the importance of Run off rain water, its path of travelling, Watershed-management and how a civil engineer has to think over for planning a city.

**1.4 Photos:**



Dr Prabhu Interacting with the Students during the session at Smt Rajalakshmi Jayaraman Seminar Hall



One of the model prepared by student based on water shed management for rural India

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