KG REDDY
College of Engineering
& Technology

KG Reddy College of Engineering & Technology
(Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)
Chilkur (Village), Moinabad (Mandal), R. R Dist, TS-501504

Accredited by NAAC

KGRCET/CEED/2020-21/ 036811

DATE: 14/12/2020

CIRCULAR

All the HOD's and faculty are here by informed that A one day workshop on PBL is being Organized by Center for Engineering Education Development (CEED) on 17-12-2020 at 10.00 PM for all the PRC members in the departments. Hence entire PRC team is instructed to attend the program.

Note: The PRC team is instructed to come along with the problem statements identified from the Smart India Hackathon (SIH)

Resource Person:
Dr.Rohit Kandakatla,
Director-S-O-HRD

Venue:
CEED Classroom

HEAD-CEED

PRINCIPAL

Principal
KG Reddy College of Engineering & Technology
Chilkur (V) Moinabad (M)
R. R. Dist

Copy to

All HOD's
IQAC
Accreditation Cell
Exam Branch
Office

Document Softcopy Location:

PROJECT BASED LEARNING

ONE DAY WORKSHOP

Organized by
Center for Engineering Education Development (CEED)

Venue
CEED Classroom

DR. ROHIT KANDAKATLA
PhD, Engineering Education, Purdue University, USA

KG REDDY
College of Engineering & Technology
New Age Engineering

on
17th December
2020

Center for Engineering Education and Development (CEED)
One Day Workshop
On
Project Based Learning

Attendance Sheet   **Date 17-12-2020**

Sl.No	Name	Dept.	Signature
1.	K. Udaya Sri	Mechanical	
2.	S. Sathish	Mechanical	
3.	M. Vijayakumar	Civil	
4.	mahanty h.n.p	Civil	
5.	Jagadish.s.k	civil	
6.	M. Rathna Chary	civil	
7	Mahesh. Reddy	Mech	
8	K. Praveen Kumar	Mech	
9.	Dilip keenan sih	Mech	
10	Vandana.	ECE	
11.	Dr. Manohar Reddy	ECE	
12.	D. Chandraprakash	ECE	
13.	D. Srinivas	EEE	
14	Dr T.V.V. Pavan Kumar	EEE	
15.	B.N. Jyothi	CSE	
16	K.R.K. Reddy	CSE	
17	Dr. J. Srinivas	CSE	
18	Dr. H.S. Wankhede	CSE	
19	P. Samyuktha	EEE	
20	Thanga Mallik.	CE	
21	K. Syed	EEE	

HEAD - CEED

Department of Electrical and Electronics Engineering

Workshop Report

On

Project Based Learning

17th December, 2020

Organized by

Center for Engineering Education Development

KG Reddy College of Engineering & Technology

Submitted by

Srinivas D,
Assistant Professor,
Department of Electrical and Electronics Engineering

KG Reddy College of Engineering & Technology

HOD

PRINCIPAL

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Objectives:

- ➢ What is Project-Based Learning

- ➢ Identifying Authentic Real Time Problem Statements

- ➢ Introduction to Engineering Design Process

- ➢ Importance of Rubrics for Evaluation of Projects

- ➢ Review of Rubrics Designed for Evaluation of Projects

- ➢ Responsibilities of Project Review Committee

Outcomes:

- ➢ Develop the strategies for designing projects based on engineering design approach

- ➢ Identify authentic Real Time Problem Statements from smart India hackathon

- ➢ List the importance of Rubrics for Evaluation of Projects

- ➢ Design the rubrics for Evaluation of Projects

Resource Person:

Dr. Rohit
Director – Strategy, Operations, and Human Resource Development,
KGRCET.

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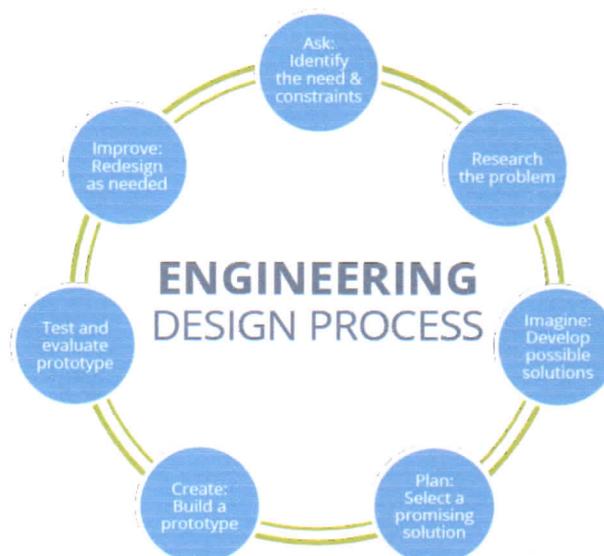
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Summary Report

The program has organized in to two sessions. First session started with introduction to projected base learning. In this session speaker has explained about project based learning and how to define a problem to be solved and classification of different problem statements. He also explained about Problem-☐solving and Design Problems. Later on explained about how to Solve Design Problems and What are the competencies developed by students through STEM-☐Project Based Learning.

He has given a quick glance on NBA Graduate Attributes. Then explained about STEM Project--☐Based Learning, Mapping on STEM Project-☐Based Service Learning Competencies and How to craft Authentic Real Time Problem Statements.

First session has ended by group activity. In the group activity we have selected 12 problem statements for Mini project, Major Project and PBA. We have classified all these problems statements for different categories based upon Ill-☐ structured, Complex and Collaboration required. As a case study we have explained one problem statement for PBA and why & how we have chosen such problem.

In the second session speaker has explained in detail about Engineering Design Process

After Engineering Design Process he hasexplained bout How to Evaluate Projects and projects evaluation frame work. How to evaluate different phases of projects. In this contents he explained about rubrics and three basic function to design rubric for evaluation. As a group activity we have Reviewedand critique the rubrics designed forProject-☐basedassignments, Mini-☐projects (to be called as Junior Capstoneprojects), Major projects (to be called as Senior Capstoneprojects) and different Parameters ofreview.

Session has been ended with discussion on Responsibilities of Project Review Committee such as

- ➢ Selection of authentic real time problemstatements.
- ➢ Finalize formation of studentgroups.
- ➢ Allotment of project statements to students along with facultyguides/mentors.
- ➢ Design and finalization of criteria and rubrics for each stage ofevaluation.
- ➢ Overseeing review of the project's at each stage of the evaluationprocess.
- ➢ Identification of projects to be developed intoprototypes.
- ➢ Selection of prototypes/projects to be submitted as conference papers.