



PRAKASAM
ENGINEERING COLLEGE

Department of CIVIL

Summary Sheet of Value added Courses Conducted

ACADEMIC YEAR 2019-20

S. No	Name of the Event	Type of the Event	Course Code	Number of Hours	Number of Students Enrolled
1	Project Management in REVIT.	Value added course	2019-20/PEC/CIVIL/VAC02	30 Hrs	69
2	Modern Equipments in Construction	Value added course	2019-20/PEC/CIVIL/VAC03	33 Hrd	66



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PRAKASAM
ENGINEERING COLLEGE

Value added course

Document ID:	2019-20/PEC/CIVIL/VAC02	Document Name:	Report
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Course Summary Report

Virtual value added-courses in "VAC02-Project Management in REVIT.." were organized organized by the Department of Civil engineering at prakasam engineering college from August-19 to August-23, 2019. The total period of course is 30 hours. Totally, 69 students have enrolled of this course and participated during the course. The institutes Principal, Dr. M Lakshmana rao appreciated the Departments efforts and congratulated the student for participating. Thanks to entire faculty and co-coordinator, the event was success

Students in the course obtained the following outcomes:

- To finish a project starting right from project planning, Scheduling, Allocating resources and monitoring and control.
- Ability to use the various Accessories instruments and known its application and limitation

A. Anil
Co-ordinator

V. Hebil
HOD

M. Lakshmana
Principal

PRINCIPAL
PRAKASAM ENGINEERING COLLEGE
KANDUKUR-523105, Prakasam Dt, AP



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CHIEF PATRON
Dr.K.Ramaiah
Secretary &correspondant
Prakasam Engineering college Kandukur

PATRON
Dr.M.LAKSHMANA RAO M.Tech.,Ph.D.
Principal
Prakasam Engineering college Kandukur

CONVENER
Mr.V.HARI KISHORE M.Tech.,Ph.D.
Head of Department
Department of CIVIL Engineering
Prakasam Engineering college Kandukur
Co-Ordinator
Mr.A.ANIL KUMAR M.Tech
Assistant Professor

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Value Added Course
ON

VAC02-Project Management In REVIT
19-08-2019 To 23-08-2019

Organized by
CIVIL Engineering.



Venue: PEC/3/4/SKILL LAB-6

For any details,please contact
Course in-charge
Mr.A.Anil Kumar
Assistant Professor
9014505818

COURSE OBJECTIVES

Become familiar with the concepts and benefits of Building Information Modeling. Understand the fundamental concepts and features of Autodesk Revit Architecture. Use the Parametric 3D design tools to start designing projects. Use the automated tools for project documentation.

COURSE OUTCOMES (COS)

At the end of the course students can able to

- Student will learn to develop higher-quality, more accurate architectural designs; use tools specifically built to support Building Information Modeling workflows.
- Students will learn to capture and analyze concepts, and maintain your vision through design, documentation, and construction.

CONTENT

INTRODUCTION TO AUTODESK REVIT

Introduction to Revit, Basics of modelling, Use of Revit for better drawings.

BUILDING INFORMATION MODELING

Working with Autodesk Revit, Families and Categories, Setting up projects, modeling in Revit, Levels and Grids, Conceptualizing Layout

PROJECT MODEL AND DESIGN ELEMENTS

Modelling of Residential Units, Modelling of Floors, Walls, Parametric modeling of basic components, Annotation styles and drafting methods

PROJECT DESIGN AND PRESENTATION METHODS

Modelling of Residential Units, Introduction to Course Project#1-Detailed Modelling

Detailing design with components, Rendering Views, Presentation Styles

PROJECT DESIGN WITH BUILDING CODES

Modelling with Design Codes, National Building Code of India, Purpose of Building Codes

Design Team and Management Team, Limitations and special requirements for modeling

CLOUD BASED 3D MODELING

Using NBC for modelling, Setting up collaborate for 3D Modelling, Cloud based Modelling, Accessibility Components Modelling

EMINENT SPEAKER

Dr.V.MAVIRAM
DREAM ASSOCIATES,ONGOLE

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ENGINEERING COLLEGE

Value added course

Document ID:	2019-20/PEC/CIVIL/VAC03	Document Name:	Report
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Course Summary Report

Virtual value added-courses in "VAC03-Modern Equipments in Construction." were organized by the Department of Civil Engineering at Prakasam Engineering College from October 14 to October 19, 2019. The total period of course is 33 hours. Totally, 66 students have enrolled of this course and participated during the course. The institutes Principal, Dr. M Lakshmana rao appreciated the Departments efforts and congratulated the student for participating. Thanks to entire faculty and co-coordinator, the event was success

Students in the course obtained the following outcomes:

- To finish a project starting right from project planning, Scheduling, Allocating resources and monitoring and control.
- Ability to use the various Accessories instruments and known its application and limitation


Co-ordinator


V. Hejil
HOD


Principal

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PRAKASAM ENGINEERING COLLEGE
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Co-Ordinator
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Assistant Professor

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Value Added Course

on

VAC03—Modern Equipment in Construction

14-10-2019 to 19-10-2019

Organized by
CIVIL Engineering.



venue:B2/F/2/13/SKSEMINAR-I

For any details, please contact

Course in-charge
Mr.Anil Kumar
Assistant Professor
9014505818

CONTENT

Introduction to Modern equipments Basic Principles - Comparison and Performance - Advantages and Disadvantages - Components - Various categories of equipments - Specifications-Field Oriented Equipment. Standard & optimal accessories and their functions - Parts of the Instrument - Explanation of Key functions - Instrument checking and Calibration - Precaution to be taken while using equipment - Equipment Abuse Instrument Maintenance and Check - Instrument Repair and Adjustments Calibration - Set up and Orientation-Configuration of instrument Planning/Reconnaissance - Control survey - Data Acquisition in the field Data download and Processing - Data Editing - Field Data Examination - Output/Printing map. Angle and Distance Measurement - Coordinate Measurement Remote Elevation Measurement(REM) Missing Line Measurement (MLM) Offset Measurement Field Setting Out/Construction

COURSE OBJECTIVES

To provide insight on the different functions and operations of different equipment and techniques during construction. To impart knowledge on the various maintenance and safety to be considered during construction. To acquire knowledge on the life cycle of a construction equipment.

COURSE OUTCOMES (CO)

At the end of the course students can able to

- Evaluate equipment and techniques required during construction
- Understand the operation of a batching plant.
- Analyze the equipment life cycle management.
- Comprehend mechanization and digitalization in construction

EMINENT SPEAKER

Dr.S.J.SADIQ
EXECUTIVE ENGINEER
ONGOLE

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