



BOARD OF STUDIES MEETING – 2022-23
K.S.R.M COLLEGE OF ENGINEERING
AUTONOMOUS

Minutes of the Meeting

Date	10.06.2023	Day	Saturday
Time	04:00 PM	Venue	Online: https://meet.google.com/ugs-vmys-urp
Dept./SS	CE	Convener	Dr. N. Amaranatha Reddy

Members Present: 13				Members Absent: 00		
S.No	Name	Designation	Signature	S.No	Name	Designation
1.	Prof. M. Amaranath Reddy	Prof., IIT Kharagpur				
2.	Prof. Santhosh G. Thampi	Prof., NIT Calicut				
3.	Prof. R. Bhavani	Prof., JNTU Ananthapur				
4.	Dr. M. Srinivasula Reddy	Associate Prof., GPRCE				
5.	Sri. Sunil Kumar Reddy Kasa	Associate Director, AECOM				
6.	Dr. N. Amaranatha Reddy	Associate Prof., KSRMCE				
7.	Prof. G. Sreenivasa Reddy	Prof., KSRMCE				
8.	Prof. T. Kiran Kumar	Prof., KSRMCE				
9.	Prof. V. Giridhar	Prof., KSRMCE				
10.	Dr. V. Ramesh Babu	Associate Prof., KSRMCE				
11.	Dr. P. Kishore Kumar Reddy	Associate Prof., KSRMCE				
12.	Sri. P. Suresh Praveen Kumar	Assistant Prof., KSRMCE				
13.	Sri. P. Rajendra Kumar	Assistant Prof., KSRMCE				

Dr. N. Amaranatha Reddy, welcomed all the members to the meeting and presented the agenda of the meeting.

The resolutions are:

	To do item	Discussion	Resolution	Coordinator/in-charge
1	To approve syllabus of Value added/Certification courses	The Head of the Department has presented the syllabus designed by the faculty of by considering the stakeholders feedback & action taken report, suggestions of Department Review Committee and by comparing with premier institute syllabus	<ul style="list-style-type: none">The committee approved the content for offering Value Added Courses /Skill Courses offered in AY 2023-24.	Prof. G. Sreenivasa Reddy

The Head of the Department have proposed the Vote of thanks and Concluded the meeting.



Convenor

Head
Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)



K.S.R.M. COLLEGE OF ENGINEERING (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India- 516 003

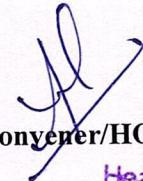
Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution

Department of Civil Engineering

The list of the value added/certificate courses conducted in the Civil Engineering Department during the AY 2023-24.

Sl. No.	Semester	Value Added Course
1	VI	Architectural modelling using Revit Architecture
2	V	MS office for documentation
3	VII	Estimation of framed building structures
4	VII	Analysis of RCC Structures using STAAD Pro


Conyener/HOD

Head

Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)

Syllabus of Certification Course

Course Name: Estimation of framed building structures

Module I:

Specification of different items of works for framed structures: Earth work for foundations, mortars, foundation concrete, Reinforced concrete, Brick work, Stone masonry, Mosaic Flooring, Terrazo Flooring, RCC roof and AC roof and GI sheets, plastering, Painting, pointing and wood works.

Module II:

Vastu and its importance, planning of building according to vastu shastra. Different item of works- units of item of works, Types of Estimates-Methods of estimates.

Module III:


Rate Analysis (Using Excel): Earthwork Excavation – Mortars of various proportions (cement and lime) – Concrete with various proportions (lime and Cement) – Brick Masonry – Stone Masonry – Pointing – Painting – Plastering – aluminum partitions – Wooden partitions – cement concrete flooring with 1:2:4 mix

Module IV:

Quantities Estimation of Buildings and Bar Bending Schedule (Using Excel) – Estimation of concrete in beams, columns, footings, Estimation of Bar Bending Schedule: Beams - Slabs – Staircases – Sun shade – Lintels – Portico

Text Books:

1. B. N. Dutta, Estimating and Costing in Civil Engineering: Theory and Practice Including Specifications and Valuation, UBS Publishers' Distributors Ltd, 25th edition,
2. Hodgson Fred T, Estimating Frame and Brick Houses, BiblioLife.


Head
Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)

Syllabus of Value Added Course

Course Name: MS office for documentation

Course Objectives:

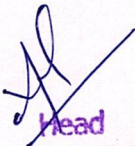
- To create, edit, and format documents effectively using Microsoft Word, including setting margins, adjusting line spacing, and applying various font and alignment options.
- To become proficient in using essential Word tools, such as templates, the Ribbon interface, and the Quick Access Toolbar, to streamline their document creation process and enhance productivity.
- Acquire the skills to incorporate illustrations, images, and graphics into documents, as well as the ability to customize and format these elements to improve document visual appeal and communication

Course Outcomes: Upon completing the course students will be able to:

- Independently create, format, and edit documents in Microsoft Word, demonstrating mastery over features such as margins, line spacing, font styles, and text alignment.
- Skilled in utilizing Word's tools and interfaces, including templates, the Ribbon, and the Quick Access Toolbar, resulting in a more streamlined and efficient document creation process.
- Integrate illustrations, images, and graphics into documents and apply formatting techniques to enhance the visual impact of their documents, effectively conveying information to readers.
- Capable of collaborating with others on documents using features like track changes, allowing for efficient feedback and review cycles while maintaining version control and clarity in document revisions

Contents:

1. Launch Word
2. Window and Ribbon Features
3. File Tab
4. Templates
5. Window Options
6. Customize Your Ribbon
7. Quick Access Toolbar
8. Non-Printing Characters
9. Practice Document
10. Save a Document
11. Select Text
12. Margins
13. Line Spacing
14. Format a Document
15. Additional Font Options
16. Text Alignment
17. View Modes
18. Spelling and Grammar Checks


Head
Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)

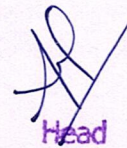
19. Page Breaks and Section Breaks
20. Tables
21. Edit a Table
22. Format a Table
23. Print a Document
24. Illustrations Demonstration
25. Illustrations Quick Reference
26. Track Changes Quick Reference
27. Additional Quick References

Textbooks:

1. ML Humphrey "Word for Beginners", ML Humphrey Publishers, New York.
2. Joan Lambert "Microsoft Word 2019 Step by Step", Microsoft, USA.
3. Guy Hart-Davis "Teach Yourself VISUALLY Word 2019", John Wiley & Sons, Inc., Indianapolis, IN.

Reference Books:

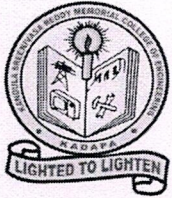
1. Peter Schiessl "Microsoft Word 2019 - FIRST VOLUME - Training Book with many Exercises", by Lindemann Group Publishers.
2. Dan Gookin "Microsoft Word 2019 For Dummies"
3. Linda Foulkes "Learn Microsoft Office 2019", Packet publishing Limited, Mumbai, India.



Head

Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)

Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)

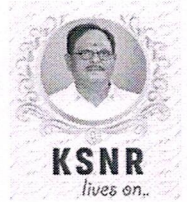


K.S.R.M. COLLEGE OF ENGINEERING (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India- 516 003

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

An ISO 14001:2004 & 9001: 2015 Certified Institution



Syllabus of Certification Course

Course Name: Architectural modelling using Revit Architecture

Table of Contents

1. Introduction to Building Information Modeling
2. Revit Architecture Introduction
3. User Inter Face
4. Setting of Units & Working with Elevation Views
5. Placing Walls, Doors & windows
6. Editing of Walls, Doors & Windows
7. Properties Palette
 - o Type Selector
 - o Type Parameters
 - o Instance Parameters
8. Managing Views by Project Browser
9. Placing of Family Files(Components)
10. Modify Tools
11. Roof & Types of Roofs
12. Floor & Types of Floors
13. Ceiling
14. Explain about Curtain wall
15. Creating Section Views
16. Different Types of Openings
17. Staircase
18. Ramp
19. Railing
20. Annotations
21. Model Text
22. 3-D Views
 - o Camera Views
 - o Rendering
 - o Walkthroughs
23. Paint
24. Creating New Materials
25. Massing & Site
26. Schedules
27. Page Layout
28. Documentation
29. Project Submission

Head

Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)

Textbooks:

1. Atefe Makhmalbaf (2022), Building Information Modeling using Revit for Architects and Engineers, Mavs Open Press.
2. Revit Essentials for Architecture by Paul F. Aubin, <https://paulaubin.com/books/revit-essentials-for-architecture/>.

Syllabus of Certification Course

Course Name: Analysis of RCC Structures using STAAD Pro

Module I:

Installation of STAAD Pro. in windows computer system, Creating Models, Structures, Graphical Interface, Specify Member Properties, Specify Material Constants, Specify Supports, Specify Loads, Specify Analysis Type, Annotating the Displacements, Creating Models of a Reinforced, Concrete Framed Structure.

Module II:

Creating simple beams with different support conditions, Applying point load, Uniformly Distribute Loads, Uniformly Varying loads on beam member, shear force & bending moment diagrams, Report preparation.

Module III:

Modeling Truss members using GUI of STAAD Pro., applying loads on truss members, finding member forces and joint reactions using STAAD Pro., Report preparation.

Module IV

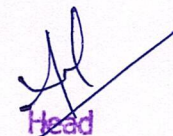
Interactive Design Information, Creating Multy-Storeyed Models Using Graphical Interface, Performing Analysis and Designing, Viewing Results Using the Output File, Viewing Post Post – Processing, Producing on Onscreen Report

Text Books:

1. T.S. Sarma, Staad Pro V8i for Beginners: With Indian Examples, Notion Press; 1st edition (1 January 2014).
2. Sham Tickoo, Learning Bentley Staad.Pro V8I for Structural Analysis, Dreamtech Press (10 June 2015).

References:

1. Learn Yourself Staad.Pro V8i , LAP Lambert Academic Publishing
2. <https://www.bentley.com/en/products/product-line/structural-analysis-software/staadpro>



Head
Department of Civil Engineering
K.S.R.M. College of Engineering
(Autonomous)
KADAPA - 516 003. (A.P.)