

ADITYA COLLEGE OF ENGINEERING

(Approved by AICTE & Affiliated to JNTUK, Kakinada)
Aditya Nagar, ADB Road, Surampalem – 533437

Department of Civil Engineering

- Title of the Workshop/Seminar : A TWO DAY WORKSHOP ON "STAAD pro analysis"
- Resource Person : Dr. G.Rajesh Kumar
Professor, NIT Warangal.
- Date(s) of Workshop/Seminar : 25-08-2016 to 26-08-2016
- Aim of Workshop
- 1) Learn & Interact with renowned Industry Experts.
 - 2) Receive an unparalleled education on the art of 3D Structure Analysis and Designing with personal one-on-one attention.
 - 3) Covers all the basics of Structure Analysis, designing & Software tools.
 - 4) Hands on Demonstrations of Latest Staad Pro Software.
 - 5) Printed material developed by well established Industry experts.

Brief Summary of purpose and aim of Workshop is to be written here

STAAD Pro is an analysis and design software package for structural engineering, used in performing the analysis and design of a wide variety of types of structures. This implies that it addresses all aspects of structural engineering including model development, verification, analysis, design and review of results. It includes advanced dynamic analysis and push over analysis for wind load and earthquake load.

Program Schedule:

Date : 25-08-2016

Session 1: 9:30 -11:15

- Intro to Workshop
- Introduction to general features in STAAD PRO.
- Role of Structural Analysis in Civil Engineering Projects .
- Analysis of Continuous Beams.

Session 2: 11:15-11:30

- Tea Break

Session 3: 11:30-1:00

- Analysis of Portal Frame
- Modeling of 3D Portal Frame from 2D Portal Frame
- Modelling Technique Using Cut and Paste and User Tables
- Analysis of Grillage Structures.

Session 4: 1:00-2:00

- Lunch

Session 5: 2:00-4:30

- Analysis and Design of Reinforced Concrete Structures
- Simply Supported Beam with Full Lateral Restraint
- Column with Pinned Ends and Intermediate Support
- Review on Workshop

Date : 26-08-2016

Session 1: 9:30 -11:15

- Super Structure Design – Covers both Steel and Concrete Members
- Assigning Code to Structure.
- Slenderness and Unsupported Length Commands.

Session 2: 11:15-11:30

- Tea Break

Session 3: 11:30-1:00

- Assigning Commands to Structure
- Performing Analysis after Design.
- Working with Editor Input file of Staad
- Familiarity with Various Commands used in Staad Input File.

Session 4: 1:00-2:00

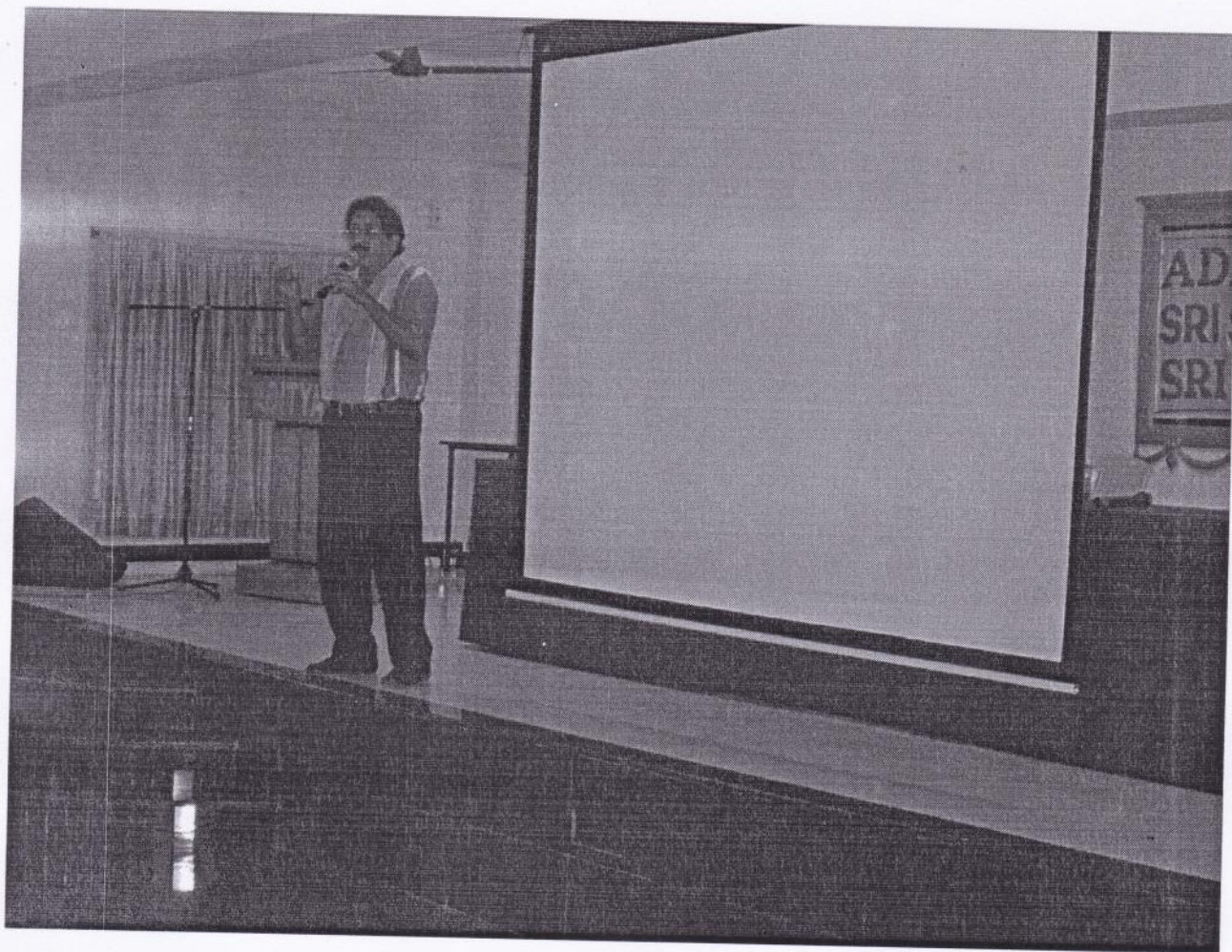
- Lunch

Session 5: 2:00-4:30

- Using Post Processing Command in the Structure.
- Analyzing various Analysis Results at various members and Joints.
- Viewing Staad Output File – Design File of Structure
- Review on Workshop

No. of Participants

:83



Overall Assessment : Good

Event Coordinators :

1. Mr.V.Tamil selvan, Assistant professor , Dept. of civil engineering
2. Mr.K. Pavan Kumar , Assistant professor, Dept. of civil engineering
3. Ms. D.Ganga, Assistant professor, Dept. of civil engineering
4. Mr.B.Sivaganesh, Assistant professor, Dept. of civil engineering

R. G. A.

HEAD OF DEPARTMENT

Head of the Department
Civil Engineering
Aditya College of Engineering
SURAMPALEM-533 437



P. S. V. R. P.

PRINCIPAL

PRINCIPAL
Aditya College of Engineering
SURAMPALEM-533 437