

**SHANTILAL SHAH ENGINEERING COLLEGE BHAVNAGAR****APPLIED MECHANICS DEPARTEMNT****ALLOCATION OF ACTIVE LEARNING ASSIGNMENT (ALA)****BE SEM - 5TH (CIVIL ENGINEERING) ODD 2024-25****SUBJECT: STRUCTURAL ANALYSIS - II (3150614) ( DIVISION C)****Student Notice:**

All the groups of students for BE Sem-5th Civil Engineering are informed to prepare & submit power point presentation for the subject of Strucural Analysis-II (3150614- Professional Elective) as a part of active learning assignment as per the following allotted topics latest by 14/10/2024, which will be considered as a part of submission for progressive assesement.

All Students should mentioned all details like Name of College with LOGO, Name of Students along with Enrollment Number, Roll Number, Group Number and Department in very Frist Slide of PPT

Sr. No	Enrollment Number	Name of Student	Active Learning Assignment Topic (PPT)
1	190430106005	BAMBHANIYA JIGNESHBHAI GIRDHARBHAI	Matrix Methods: Types of skeletal structures, Internal forces and deformations. Introduction and applications of stiffness & Flexibility method to analyze beams, Trusses and plane frames by system approach.
2	190430106056	KACHA HARDIKKUMAR HARASUKHLAL	
3	220433106067	SARVAIYA SUMIT RAMJIBHAI	Moment Distribution Method: Analysis of plane frames including sway, use of symmetry of structure up to two storeyed / two bay frames
4	230433106014	DERAIYA ADIL YUNUSBHAI	
5	230433106017	GOHIL DHRUVRAJSINH BHARATSINH	Energy Principles:Castigliano's theorems, Application of castigliano's 1st and 2ndtheorem to statically determinate and indeterminate framed
6	230433106019	GONDALIYA SMIT BHAVESHBHAI	
7	230433106030	MAJITHIYA SUJAL JAGDISHBHAI	Approximate methods: Forces in the framed structure subjected to Vertical and lateral loads
8	230433106031	MAKVANA HITESHKUMAR VITTHALBHAI	
9	230433106034	MASRANI VRAJ VIPULBHAI	Use of professional software such as STAAD-Pro, SAP, ETABS etc. for determining response of structure related to the topics of this course (With case study)
10	230433106045	SOLANKI YOGESH RAJESHBHAI	
11	230433106047	TANK PANKAJ DHANJIBHAI	Structure subjected to Moving loads
12	230433106052	BAVALIYA VANDANBHAI RAJESHBHAI	
13	230433106053	JANI BADRISH KIRITKUMAR	Slope Deflection Method: Analysis of continuous beams for various loading including settlement/ rotation of support, analysis of simple portal frame with sway.
14	230433106035	Mavani Abhay	

Sd/-  
HOD  
Applied Mechanics  
SSEC Bhavnagar

Sd/-  
Prof D P Advani  
Applied Mechanics  
SSEC Bhavnagar