



**Kadi Sarva Vishwavidyalaya**  
**Faculty of Engineering & Technology**  
**First Year Bachelor of Engineering (Civil Engineering)**  
(With effect from: Academic Year 2017-18)

**WORKSHOP**

**BE 1<sup>st</sup> SEMESTER**

**SUB CODE: 105-N (Civil Engineering)**

**Teaching Scheme (Credits and Hours)**

Teaching scheme				Total Credit	Evaluation Scheme					Total
L	T	P	Total		Theory		Mid Sem Exam	CIA	Pract.	
Hrs	Hrs	Hrs	Hrs		Hrs	Marks	Marks	Marks	Marks	
0	0	2	2	1	0	0	0	40	60	100

**COURSE OBJECTIVE:**

The educational Objectives of this Course are

- To learn Fundamentals of Civil engineering.
- To learn Concept and Methodology of different types of building.
- To give descriptions knowledge of building components and materials.
- To study of planning, designing and execution methods of structures.
- To study of general guidelines of environmental education

**DETAILED SYLLABUS:**

Unit No	Topics	Lecture (Hours)
1.	Introduction of Civil Engineering 1.1. Introduction 1.2. Scope of civil engineering 1.3. Role of civil engineer	4
2.	General guidelines for Civil Engineering Components 2.1 Overview of Civil engineering Structures	6



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	2.2 Construction Methods 2.3 Construction Materials 2.4 Construction equipments	
<b>3.</b>	Overview of approval/sanction procedure of project Introduction to byelaws of GUDA Introduction to RERA	<b>6</b>
<b>4.</b>	Basics of Computer knowledge 4.1 Introduction to AutoCad 4.2 M.S.office	<b>6</b>
<b>5.</b>	Field Visit 5.1 Construction Site (i.e. building construction site, Road construction site) 5.2 Environmental Education (i.e. Rain water harvesting Plant, waste water treatment plant) 5.3 Material Testing Laboratories (i.e. Testing of Construction materials)	<b>8</b>

**Total Hours (Theory):00**

**Total Hours (Lab):30**

**Total Hours: 30**