

**DETAILED SYLLABUS:**

| <b>Unit No</b> | <b>Topics</b>  |
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| <b>1.</b>      | Introduction of Civil Engineering<br>1.1. Introduction<br>1.2. Scope of civil engineering<br>1.3. Role of civil engineer |
| <b>2.</b>      | General guidelines for Civil Engineering Components<br>2.1 Overview of Civil engineering Structures                      |

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