



DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR: 2019-20

A SUMMARY REPORT

Course Name: BUILDING MATERIALS, CONSTRUCTION AND PLANNING

Name of the Resource Person: Mr. K.Vasu Devaraju, Assistant Engineer, Panchayat Raj
Engineering Department, MPP Office, Vemsoor

Gap Identified: Guidelines for planning and drawing of residential building.

No. of Students attended: 45 members

Summary: On the day of the session (i.e 22-12-2019) delivered a lecture on the basics of Introduction to the course of Guidelines for planning and drawing of residential building Important, the following are typically not considered part of the residential design plans and may need to be prepared by suitably-licensed professionals:

1. Structural plans- these include the foundation, floor framing, and roof framing plans, as well as structural details. (See above for when a structural engineer is required).
2. Grading plan- when significant earth removal or addition is required, e.g., the proposed construction is on a slope.
3. Landscaping plan- usually not required by local building authorities, but sometimes required by HOA's.
4. Mechanical plan- showing the location of heating/ air-conditioning ducts, plenums, registers, etc.
5. Plumbing isometric plan- showing the location and size of water, gas, vent and waste lines.
6. Septic system plan- not applicable if you're connected to a sewer system.
7. Fire sprinkler plan- as of January 1, 2011, now required in all new residential construction with some exceptions.
8. Soils or geotechnical report.

