



MOTHER TERESA
INSTITUTE OF SCIENCE AND TECHNOLOGY
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DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR: 2021-22

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: Properties of aggregates

No. of Students attended: 24 members

Summary: On the day of the session (i.e 06-04-2022) Mr. K.Vasu Devaraju, Assistant Engineer, Panchayat Raj Engineering Department, MPP Office, Vemsoor. Delivered a lecture on the basics of Introduction to the course of Aggregate, in building and construction, material used for mixing with cement, bitumen, lime, gypsum, or other adhesive to form concrete or mortar. The aggregate gives volume, stability, resistance to wear or erosion, and other desired physical properties to the finished product. Commonly used aggregates include sand, crushed or broken stone, gravel (pebbles), broken blast-furnace slag, boiler ashes (clinkers), burned shale, and burned clay.



Fine aggregate usually consists of sand, crushed stone, or crushed slag screenings; coarse aggregate consists of gravel (pebbles), fragments of broken stone, slag, and other coarse substances. Fine aggregate is used in making thin concrete slabs or other structural members and where a smooth surface is desired; coarse aggregate is used for more massive members.

Basic properties of aggregates include mineralogical composition, surface texture and grain shape, dustiness, porosity, frost resistance, resistance to abrasion and polishing, and asphalt absorption capacity