

**VISVESVARAYA TECHNOLOGICAL  
UNIVERSITY, BELAGAVI- 590 018**



**MICRO PROJECT REPORT**

**ON**

**“BATCHING AND MIXING OF MORTAR AND CONCRETE AND INGRADUIENTS”**

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# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## DEPARTMENT OF CIVIL ENGINEERING

### CERTIFICATE

This is to certify that the Micro-Project entitled "**BATCHING AND MIXING OF MORTAR AND CONCRETE AND INGRADIENTS**" has been Successfully Completed

By

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The bonafide students of Department of Civil Engineering, Alva's Institute of Engineering and Technology, affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI, during the academic year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

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## **Abstract**

A concrete plant, also known as batch plant is device that combines various ingredients to form concrete. In general, it is a process of combining all ingredients of concrete as per the mix design. Batching and mixing are extremely important parts of mortar and concrete manufactures they influence properties of concrete both in plastic as well as in hardened stages. Also, it is one of the important processes, which is to be done to obtain a quality concrete. Many processes are carried out in various parts of the world with many changes and different equipment. There are various types of batching and mixing equipment and methods that is to say from manual to most sophisticated computerized batching and mixing. Mechanization improves quality of batching and mixing, its speed and thereby can most often result in economy. There are number of factors which are to be considered while doing the process which are discussed in this paper. Moreover, the machinery, which is to be required while making concrete or for batching process and discharging and unloading of the mixture, are also discussed in brief.