

EXTENSIVE SURVEY PROJECT

A Report submitted in partial fulfilment for the award of

Bachelor of Engineering

(Civil Engineering)

By

BATCH 1

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DEPARTMENT OF CIVIL ENGINEERING



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,

MIJAR-574225

KARNATAKA, INDIA

TO



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-590014

KARNATAKA, INDIA

2020-21
EXTENSIVE SURVEY PROJECT



ALVA'S EDUCATION FOUNDATION

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY,
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KARNATAKA, INDIA

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the project work entitled "Extensive Survey Project" is the bonafide work carried out by

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In partial fulfilment for the award of **Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi** during the academic year **2020-21**. It is certified that all correction and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.


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SYNOPSIS

This Extensive survey work involves the investigation surveying, planning and design work.

The highway project includes the suitable and economical alignment of the road. Designs of various elements along the road such as vertical curves, thickness of pavements etc. are considered.

The old tank project includes the restoration of existing bund. The upstream side of the bund is silted and the catchment area is reduced. Surveying is carried out along the centre line and upstream side and as well as downstream side of the bund.

The New tank project work deals with alignment of centre line of proposed bund, capacity survey and canal alignments. Proposed new tank project will help in irrigation more fields, which in turn will improve the living conditions of the Mijar.

The water supply and sanitary work includes the surveying carried along the road side. Levels are taken at regular intervals and nearby permanent structures. To know the rate of demand of water forecasting population was determined. The dimensions of the water tank are determined, key map is plotted.

The overall project is very much beneficial to get knowledge of irrigation project, water supply and highway project and for the future development of the Mijar.