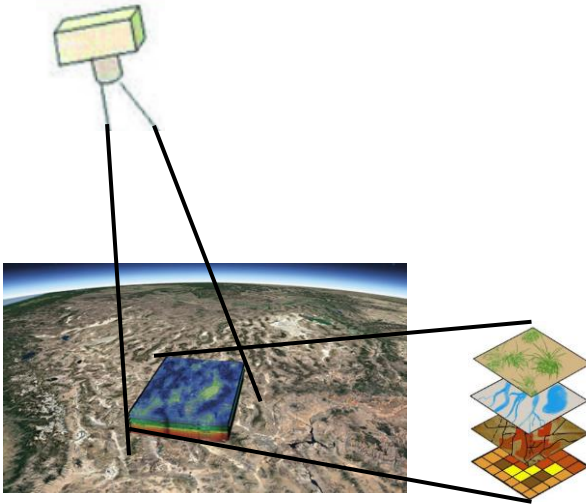




**M. Tech. Course in
Remote Sensing and
Geographic Information System
(2022 – 2024)**



University Address:

**Dr. Babasaheb Ambedkar Technological
University,
Lonere-Raigad. Pin-402103,
Maharashtra
www.dbatu.ac.in**

Remote sensing is the art and science of making measurements of the earth using sensors on airplanes or satellites. These sensors collect data in the form of images and provide specialized capabilities for manipulating, analyzing, and visualizing those images. Remote sensed imagery is integrated within a GIS.

A geographic information system (GIS) is a computer-based tool for mapping and analyzing feature events on earth. GIS technology integrates common database operations, such as query and statistical analysis, with maps. GIS manages location-based information and provides tools for display and analysis of various statistics.

About the university:

Dr. B. A. Technological University (DBATU) is an approved technical university by the All India Council for Technical Education (AICTE) to conduct the M.Tech. course. This University was established on 5th May, 1989 by the Government of Maharashtra under the Dr. Babasaheb Ambedkar Technological University Act No. XXII, 1989. We celebrated the Silver Jubilee Year in 2014. On 1 March, 2016 in a major milestone in the history of the University since its inception, the State Government declared the University as the State Technological University to which Engineering & Technology, Pharmacy, Architecture, Hotel Management and Catering Technology institutes from the State shall get affiliated. The University is committed to providing guidance and direction in quality technical education, research and

development to meet the needs of industry, businesses, and society at large.

About the course:

The aim of the M.Tech. (RS&GIS) course is to provide in-depth understanding of remote sensing, satellite image analysis, Geographic Information System (GIS) and Global Navigation Satellite System (GNSS) technologies and their applications in natural resources survey and monitoring including agriculture and soils, forestry and ecology, geology and mineral resources, water resources, coastal and marine resources, urban and regional planning, atmospheric studies and disaster management.

Course duration and structure:

The course is of 2 years duration, comprising of four semesters. The first and second semester deals with fundamentals of Remote Sensing, Photogrammetry, GIS and GNSS and a few common courses and carry out a case study. The third and fourth semesters are for carrying out a dissertation in the chosen topic. M.Tech. degree is presently awarded by DBATU (India).

Target participants:

This course is targeted for those who are interested to learn remote sensing and GIS technologies and their applications. Both the working professionals and fresh graduates (including candidates in the final semester/year of the qualifying degree) can apply for the course. Total 30 seats are available.

For more information and further clarification, please write to:

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