ABOUT VTU, BELAGAVI

Visvesvaraya Technological University is a collegiate public state university in Karnataka State, India. It was established by the Government of Karnataka. The university is named after **M. Visvesvaraya** from Karnataka, the only engineer to be awarded a **"Bharat Ratna"**, the highest civilian award in India. Jnana Sangama, Belagavi is the headquarters of VTU. Additionally, the university has three regional centers in Bangalore, Gulbarga and Mysore. VTU is one of the largest universities in India with 212 colleges affiliated to it with an intake capacity of over 467,100 undergraduate students and 12,666 postgraduate students. The university encompasses technical and management fields which offer 30 undergraduate and 71 postgraduate courses. It has around 1800 PhD candidates. VTU has 13 QIP centers and 17 extension centers in its affiliated colleges offering postgraduate courses. It has around 2,305 departments recognized as research centers which are spread across its affiliated institutions in cities of Karnataka.

AIET, MOODBIDRI

Alva's Education Foundation (AEF) established in 1995 with the vision of our Chairman **Dr. M. Mohan Alva** has succeeded in making Moodbidri, an Educational hub in the South Canara Region, with more than 25000 students pursuing various courses ranging from primary school to post-graduate courses in social sciences, pure sciences, engineering and management. There are 21 institutions functioning under the Alva's Education Foundation.

Alva's Institute of Engineering and Technology, Moodbidri is a Premier Engineering Institute of Alva's Education Foundation, established in the year 2008. The college is certified to the ISO 9001: 2008 standards. The institute offers top quality education in five under graduate programs in Engineering- Computer Science, Civil, Electronics & Communications, Information Science, and Mechanical Engineering- Three Post Graduate programs- Master of Technology in Thermal Power Engineering, Computer Science & Engineering, VLSI Design Embedded System and Master of Business Administration.

DEPARTMENT OF CIVIL ENGINEERING

Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including public works such as roads, bridges, canals, dams, airports, sewerage systems, pipelines, structural components of buildings, and railways.

The Bachelor's degree in Civil Engineering in AIET was started in the academic year 2009 – 10 with an intake of 60 students. The department offers a full time B.E degree course in Civil Engineering. Our department organizes seminars, workshops & Industrial visits for the benefit of students and faculty which would bring exposure of the recent trend in civil engineering. Students involve in the consultancy projects obtained through various govt. and non-govt. agencies. The infrastructure available in the department facilitates students to develop their skill and knowledge within the framework of curriculum prescribed by the Visvesvaraya Technological University.

ABOUT MX-ROAD SOFTWARE

MXROAD is an advanced, string-based modeling tool that enables the rapid and accurate design of all road types. With MXROAD, you can quickly create design alternatives to build the ideal road system. After a final design alternative is selected, you can automate much of the design detailing process, saving time and money.

At its core, MXROAD uses 3D string modeling technology—a powerful yet concise method of creating 3D surfaces. The interoperable database allows engineers to create and annotate 3D project models in the most popular AEC platforms or in Windows. This means that you can work on the project within one environment, save it, and open it seamlessly in another environment with no loss of data.

COURSE CONTENT

1. Introduction to Built-in CAD Capabilities of MX-Road, Create and edit CAD elements.
2. Read, write, reference DGN, DWG files & Integrated Mapping.
3. Survey/Data Acquisition, Edit survey data graphically and dynamically.
4. Terrain Model Creation, Terrain Model Analysis/Editing & Triangulation Analysis.
5. Modeling using 2D/3D integration, DGN-based Geometry and Models.
6. Interactive Coordinate Geometry & Geometric Design Profiles and Cross Sections.
7. Visualization, Design process of dynamic 3D models & Visualize paths through the project relative to design control.

RESOURSE PERSON

Mr. Shankargiri K S
Assistant Professor,
Department of Civil Engineering,
AIET Moodbidri

PROGRAM SCHEDULE

JANUARY 11, 2016	
Inauguration:	09:00 am to 09:30 am
Tea Break:	9:30 am to 9:45 am
Session 1:	9:45 am to 01:00 pm
Lunch Break:	01:00 pm to 02:00 pm
Session 2:	02:00 pm to 05:00 pm
JANUARY 12, 2016	
Session 3:	09.30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 4:	02:00 pm to 05:00 pm
JANUARY 13, 2016	
Session 5:	09.30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 6:	02:00 pm to 05:00 pm
JANUARY 14, 2016	
Session 7:	09.30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 8:	02:00 pm to 05:00 pm
JANUARY 16, 2016	
Session 9:	09.30 am to 11:00 am
Lunch Break:	01:00 pm to 02:00 pm
Session 10:	02:00 pm to 04:00 pm
Valedictory:	04:30 pm to 05:00 pm

PROGRAMME SCHEDULE

- **Invocation**
- **Welcome Speech**
- **Inauguration**
- **Presidential Speech**
- **Vote of Thanks**

INVITATION

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI

DEPARTMENT OF CIVIL ENGINEERING

Cordially invites you to the

Inauguration of Certification Program

On

" INTRODUCTION to MX ROAD SOFTWARE "

Resource Person: **Prof. Shankargiri K S**
Prof. Deviprasad
Prof. Rahasya K R
Dept. of Civil Engg.,
AIET Moodbidri

Guest of Honor: **Mr. Vivek Alva**

Managing Trustee

President: **Dr. Peter Fernandes**

Principal, AIET, Moodbidri.

Coordinator	**Head of the Department**
Prof. H AJITH HEBBAR	**Prof. Durgaprasad Baliga**
Assistant Professor	Associate Professor and Head

Venue: CADD Lab, Fifth Floor, AIET Civil Block @9.00AM