ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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16-08-2019

Report on "Hands on session on familiarization of ICT Tool: MS Office"

A training session on **MS Office** was conducted for the second year students of all departments. For CSE, ECE, ISE, CV and ME departments it was conducted on the 5th and 6th of August, 2019.

The focus goal of the MS Office programme was to capacitate the students in the three basic Microsoft office software applications to enhance operational effectiveness in their various academic activities (Windows, Microsoft word and Microsoft excel).

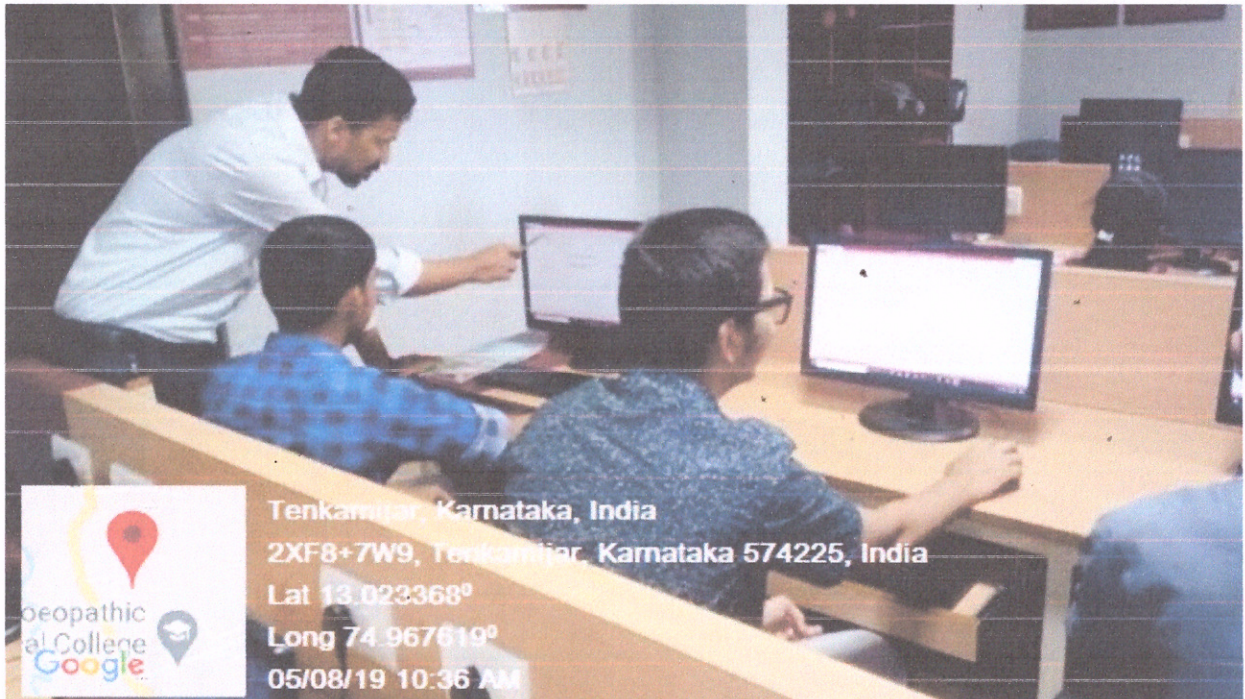The staff coordinators and trainers of the hands on training conducted on 5th and 6th of August, 2019 were

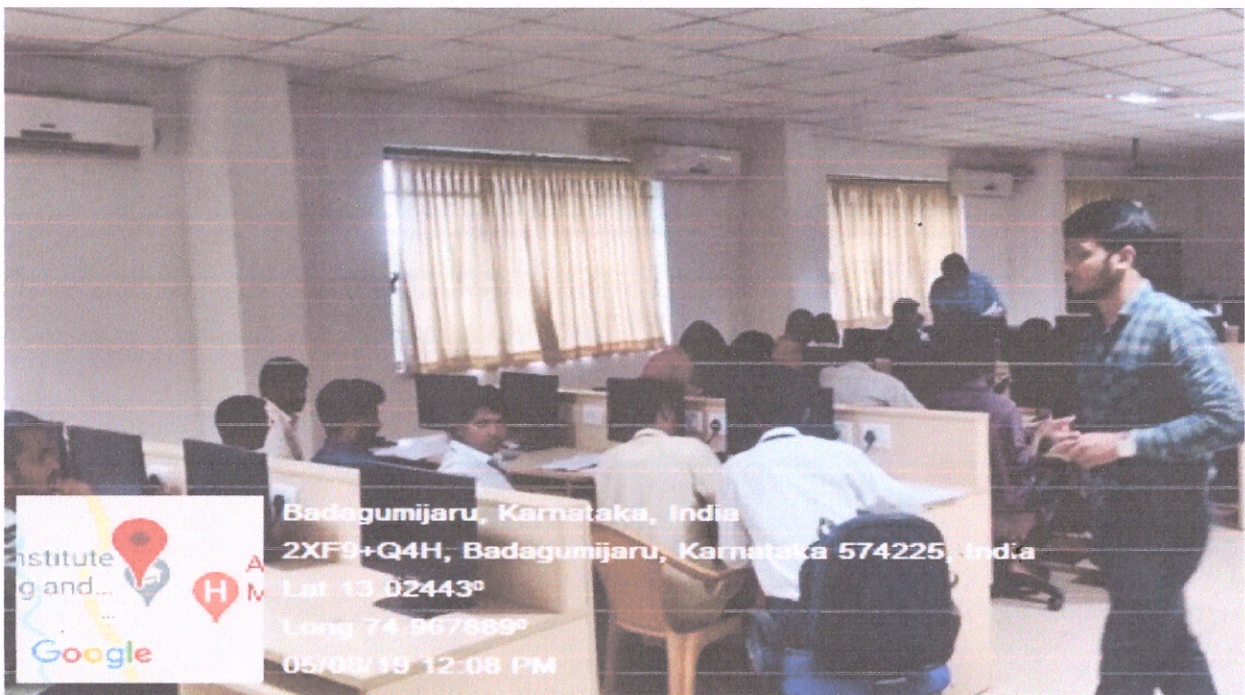| Department	Staff Coordinator
COMPUTER SCIENCE & ENGINEERING	Mr. Sayeesh
CIVIL ENGINEERING	Mr. Ramesh Rao B
ELECTRONICS & COMMUNICATION ENGINEERING	Mr. Santhosh S
INFORMATION SCIENCE & ENGINEERING	Mr. Sharan Lional Pais
MECHANICAL ENGINEERING	Mr. Abhijith S

Objectives of the program:

The following are the highlighted Objectives of the program:

- Enhance the basics of writing journal papers and project reports which is a requirement in UG programmes.
- Helps in Managing documents using advanced skills in Microsoft Office to create, edit and produce better documents.
- Enhance the presentation skills for their seminars and project works.

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MS Office Training Session in ISE Department

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MS Office Training Session in ME Department

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92

22-10-2019

Report on "Introduction to Microsoft Office"

A two day program on "**Introduction to MS-Office**" was conducted for the First year students by Ms Megha and Ms Reena on the 17th and 18th October, 2019. The main aim of the program was to introduce the students to MS-Office software tools which is useful in accounting, business analysis, marketing or coding.. In fact, knowledge of Microsoft usage is one of the basic requirements for most of the job profiles. The total of 83 students benefited from the session.

Microsoft credential establishes base on using MS Office fluently; be it MS Word for creating documents, MS PowerPoint for creating presentation, MS Project for managing projects or MS Excel for managing data. The extensive understanding of Microsoft programs is showcased with MS training program and can build a strong grounding in IT for career prospects.

Microsoft Word

This is the most basic of all skills. It involves typing basically, but when using computers it deviates a little from the common typewriter. The best of word processing is that you can modify with ease any part of the text you entered. The word processing is the minimum one should know because it will be used in each and every application of computers.
Below is the summary of the practical issues dealt with regards Microsoft word:

Microsoft excel

One will also need to use a spreadsheet of excel sheet for computing. This is a must in any presentation and knowing the basics on how to use and read a spreadsheet will be extremely helpful. As with others, this too will require a lot of hands-on practice and a little theory to master. Below is the summary of the main issues dealt with in the training during the process:

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DEPARTMENT OF BUSINESS ADMINISTRATION

Microsoft PowerPoint

PowerPoint is a complete presentation graphics package. It gives everything needed to produce a professional-looking presentation. PowerPoint offers word processing, outlining, drawing, graphing and presentation management tools – all designed to use and learn.

Below is the summary of the main concepts dealt with in the training during the process:
1. Creating slides
2. Typing data in slides
3. Animations and running/playing the slides

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INTRODUCTION TO MS OFFICE TRAINING SESSION BY MS. MEGHA & MS. REENA

Outcome:

Students will find it easy to use the MS-Office package for preparation of seminars, assignments, solving accounts sum using excel, project reports, internship and other academic activities.

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107

Department of Electronics and Communication Engineering

A Brief Report

COMSOL Multiphysics Simulation tool for MEMS application

Date: 05/02/2020 to 07/02/2020.

Venue: MEMS Lab.

Trainer: Mr. Aneesh Jain M V, Department of ECE, AIET, Mijar.

FOREWORD

This report intends to brief about the initiative taken by Alva's Institute of Engineering & Technology, Moodbidri for the Electronics and Communication Engineering students during 05/02/2020 to 07/02/2020, for the enhancement of simulation application in Electronics and Communication Engineering streams. The trainer of the hands-on sessions is Mr. Aneesh Jain M V from the Electronics and Communication Engineering Department.

PROCEEDING OF THE PROGRAM

The sessions were organised for a total duration of 20 Hrs. The sessions are scheduled for a period of three days on 05/02/2020 to 07/02/2020. In each session interested 2nd year ECE students were given the opportunity to practice on COMSOL Multiphysics tool. As its advanced software with wide application some the application related to specific related to electronics were discussed. The sessions started with an introduction/ overview on MEMS and COMSOL Multiphysics, Briefing of step by step procedure for simulation, Modelling and simulation of Transient Modelling of a Capacitor in a Circuit, Modelling and simulation of Piezoresistive Pressure Sensor, Shell, Modelling and simulation of Dipole Antenna, Modelling and simulation of Computing Q-Factors and Resonant frequencies of Cavity Resonators.

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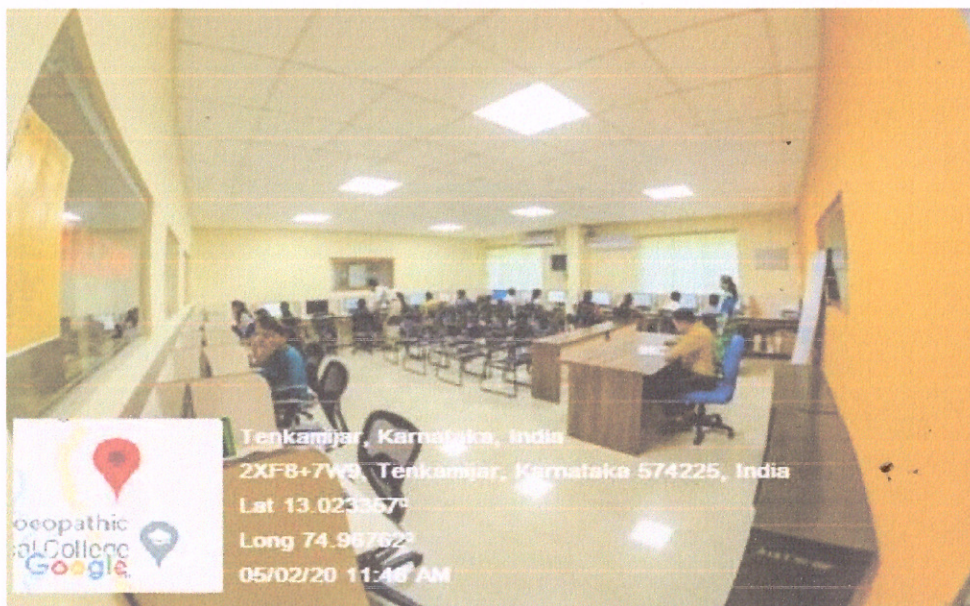Alva's Institute of Engg. & Technology,
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116

The sessions were conducted at Electronics and Communication Engineering MEMS Lab for 4th semester students of ECE department for a period of three days by Mr. Aneesh Jain M V.

CONCLUSION

The program on COMSOL Multiphysics Simulation tool for MEMS application for electronics engineering application gave the students the upper edge in the simulation design field. The motto of the program was successfully achieved by the students 4th Sem AIET. We would like to thank the Principal, AIET and Management of AEF for consistent support and encouragement. A special thanks note for the efforts put by faculty incharge, Mr. Aneesh Jain M V, Department of ECE, AIET, Mijar.

PHOTO

COMSOL Training session by Prof. Aneesh Jain M V

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117

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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON hands-on session on "Quickstart into Computational Fluid Dynamics using OpenFOAM

Date: 10th Feb 2020 to 12th Feb 2020

Venue: CAMD Lab

Trainer: Prof. Kiran C H

FOREWORD

This report intends to brief about the initiative taken by Alva's Institute of Engineering & Technology, Moodbidri for the Mechanical Engineering students during 10th Feb 2020 to 12th Feb 2020, for the enhancement of computational application in Mechanical Engineering streams. The trainer of the hands-on sessions is Prof. Kiran C H for the Mechanical Engineering Department.

PROCEEDING OF THE PROGRAM

The sessions were organised for a total duration of 20 Hrs. The sessions are scheduled for a period of three days on 10th Feb 2020 to 12th Feb 2020. In each session Mechanical students were given the opportunity to practice on OpenFOAM. As it's a open source software with wide application some the application related to specific related to Computational Fluid Dynamics were discussed. The sessions started with a basic Introduction including Installation of the software, Introduction of the project InsightCAE, Graphical postprocessing using Paraview, Build OpenFOAM simulations from scratch Direction to more complex tasks and simulations.

The sessions were conducted at Mechanical Engineering CAMD Lab for 6th semester students of Mechanical Engineering for a period of three days by Prof. Kiran C H.

CONCLUSION

The program on Quickstart into Computational Fluid Dynamics using OpenFOAM for computational engineering application in fluid flow analysis gave the students the upper edge in the computational design field. The motto of the program was successfully achieved by all the students 6th Sem AIET. We would like to thank the Principal, AIET and Management of AEF for consistent support and encouragement. A special thanks note for the efforts put by faculty incharges, Prof. Kiran C H, Mechanical Engineering department AIET.

PHOTOS

OpenFOAM Training session conducted by Prof. Kiran C H

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128

REPORT ON SCILAB FOR COMPUTATIONAL ENGINEERING APPLICATION

Date: 13 Feb 2020 to 15 Feb 2020

Venue: CADD Lab

FOREWORD

This report intends to brief about the initiative taken by Alva's Institute of Engineering & Technology, Moodbidri for the Civil and Mechanical Engineering students during 13 Feb 2020 to 15 Feb 2020, for the enhancement of computational application in their respective Engineering streams. The training incharge of the programme is Prof. Surendra for the Civil Engineering Department.

PROCEEDING OF THE PROGRAM

The sessions were organised for a total duration of 20 Hrs. The sessions are scheduled for a period of three days on 13 Feb 2020 to 15 Feb 2020. In each session the Civil and Mechanical Engineering Students were given the opportunity to practice on Scilab. As it's a open source software the application has wide application some the application related to specific related to the respective stream of Engineering were discussed. The sessions started with a basic Introduction including Installation of the software Scilab, Basic Operators and further it covered topics like Functions, Loops, Conditional statements, 2D, 3D data and it's plotting, Data plotting.
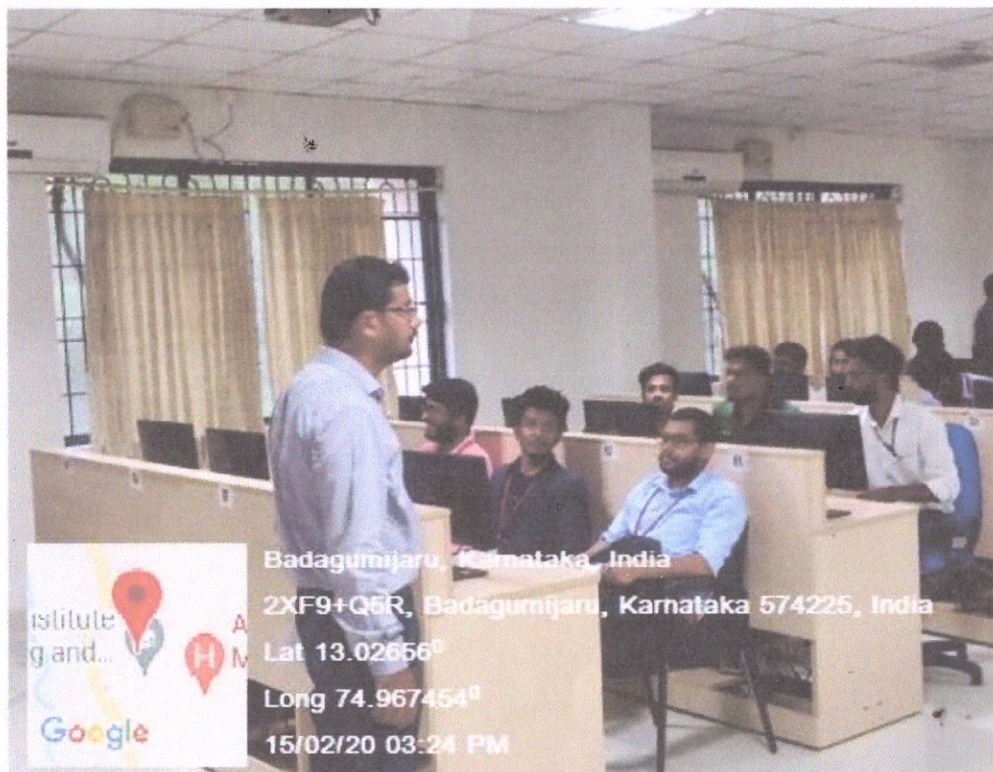
In Civil Engineering CADD Lab the sessions were conducted for 6th semester interested students of Civil and Mechanical engineering for a period of three days by Prof. Surendra.

138

CONCLUSION

The program on scilab for computational engineering application gave the students the upper edge in the computational design field. The motto of the program was successfully achieved by all the students of Mechanical and Civil Engineering students of 6 Sem AIET. We would like to thank the Principal, AIET and Management of AEF for consistent support and encouragement. A special thanks note for the efforts put by faculty incharges, Prof. Surendra, Civil Engineering department AIET.

PHOTOS

Scilab Training session by Prof. Surendra P

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139