ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Phone: 08258-262725, Fax: 08258-262726

17-08-2016

Report on "Hands on session on MS-Office: ICT Tool"

A training session on **MS Office** was conducted for the second year students of all departments.. For all the departments the hands on session was conducted on 8th August 2016 and 9th August 2016.

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 the respective dates, were as follows

Department	Staff Coordinator
COMPUTER SCIENCE & ENGINEERING	Mr. Sayeesh
CIVIL ENGINEERING	Mr. Shankargiri
ELECTRONICS & COMMUNICATION ENGINEERING	Mr. Santhosh S
INFORMATION SCIENCE & ENGINEERING	Mr. Sharan Lional Pais
MECHANICAL ENGINEERING	Mr. Hemanth Suvarna

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.

387

- Enhance the presentation skills for their seminars and project works.

Training Session on MS Office in ECE Department
Lat: 13.023369, Long: 74.96762
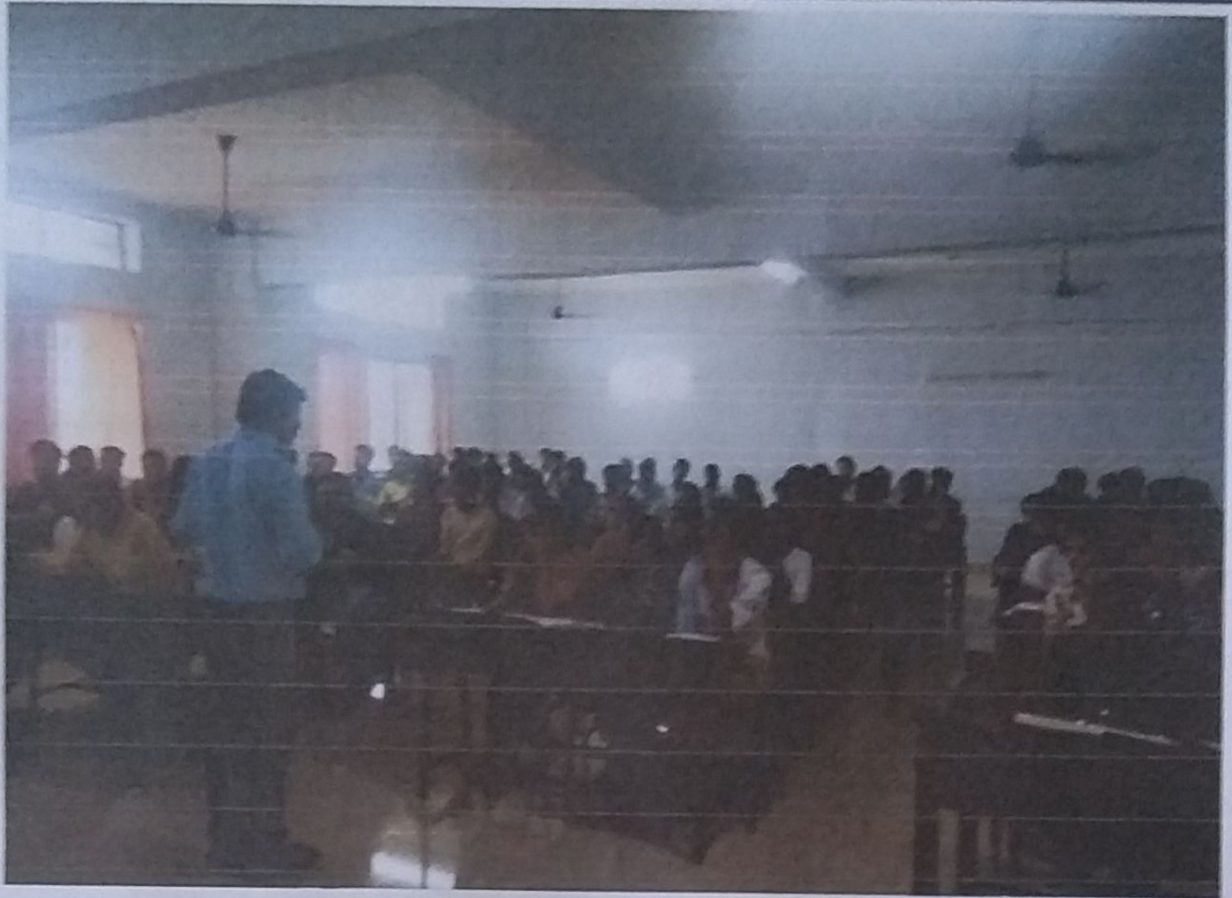

Training Session on MS Office in ISE Department
Lat: 13.023369, Long: 74.96762

PRINCIPAL
stitute of Engg. & Technology,
MOODBIDRI - 574 225, D.388

389

Training Session on MS Office in CV Department
Lat: 13.023369, Long: 74.96762

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

389

07-9-2016

Report on "Introduction to Microsoft Office"

A two day program on "**Introduction to MS-Office**" was conducted for the First year MBA students by **Mrs. Vidya** on the 5th and 6th September, 2016. The main aim of the program was to introduce the students to MS-Office software tools which is useful in academics and business activities.

Microsoft Office has become a leading platform to drive productivity at home and in the workplace. Whether it's managing email in Outlook, or building analysis spreadsheets in Excel, Office has made carrying out many computer based tasks easier for all of us.

Module 1: MS-Word 2013: Introduction to Microsoft Word 2013, Working with Documents and the Keyboard Navigating Through a Word Document, Basic Text Editing,: Text Formatting, paragraph Formatting, More Ways to Format Text and Paragraphs, Style formatting, Page Formatting, Templates, Working With Graphics and Pictures, Tables, Desktop Publishing, Long Documents, Technical Documents, Mail Merge, Proofing, Printing, and Publishing, Comparing, Merging, and Protecting Documents, Customizing and Expanding Word

Module 2: MS-Excel 2013: Making The Switch To Excel 2013, What's New In Excel 2013, Basic Tasks In Excel 2013, Create Your First Spreadsheet, Create Formulas, VLOOKUP - What It Is And When To Use It, Understand Data At A Glance With Conditional Formatting, Spark lines - Use Tiny Charts To Show Data Trends, Use Excel Tables To Manage Information, The IF Function - What It Is And How To Use It, How To Create A Basic Chart In Excel 2013, Save Time By Creating And Running Macros In Excel 2013, Figure Out Dates By Using Formulas In Excel 2013, Plan Payments And Savings In Excel 2013, Keyboard Shortcuts In Excel 2013

Module 3: MS-Powerpoint 2013: Making The Switch To PowerPoint 2013, What's New In PowerPoint 2013, Create Your First PowerPoint 2013 Presentation, Add Photos To PowerPoint, Insert Video Into A Presentation, Broadcast A Presentation, Charts And Smart Art In PowerPoint, Animations And Transitions, Keyboard Shortcuts, PowerPoint Tips And Techniques,

410

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Phone: 08258-262725, Fax: 08258-262726
DEPARTMENT OF BUSINESS ADMINISTRATION

INTRODUCTION TO MS-OFFICE TRAINING SESSION BY MS. VIDYA
Lat: 13.023369, Long: 74.96762

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.

The total of 118 students were benefited from the session

DEAN
Dept. of Business Administration
Alva's Institute of Engg. & Technology
MIJAR – 574 225

PRINCIPAL
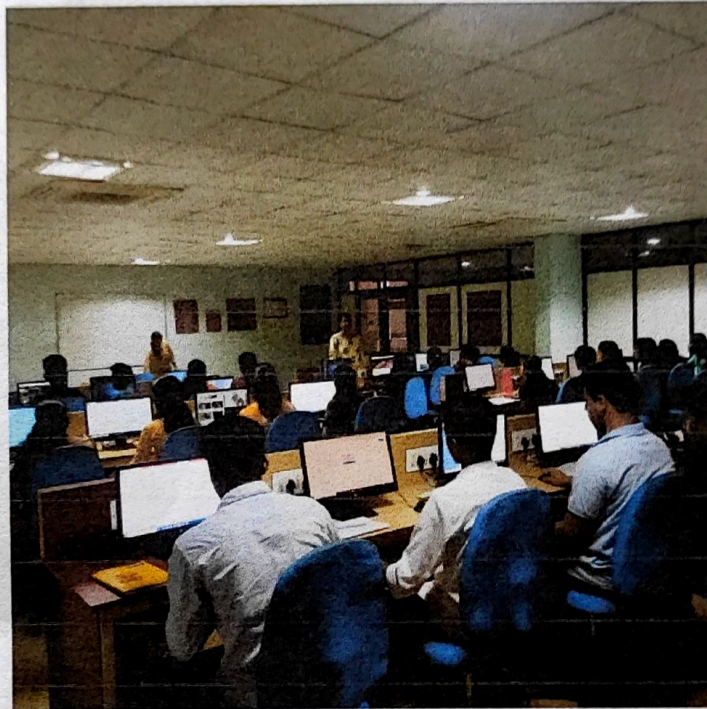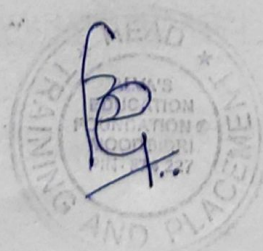Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225, D.K

411

Department of Electronics and Communication Engineering

A Brief Report

COMSOL Multiphysics Simulation tool for MEMS application

Date: 06/02/2017 to 08/02/2017.

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 06/02/2017 to 08/02/2017, 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 06/02/2017 to 08/02/2017. In each session interested 2nd year ECE students were given the opportunity to practice on COMSOL Multiphysics tool. As it's advanced software with wide application some the application related to specific related to electronics were discussed. The sessions started with a introduction/ overview on MEMS and COMSOL Multiphysics, Briefing of step by step procedure for simulation, Modelling and simulation of Basic parallel plate capacitor to find capacitance, Modelling and simulation of rectangular MEMS structure to find Eigen frequency, Modelling and simulation of cantilever, Modelling and simulation of pressure sensor.

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.

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

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 conducted by Prof. Aneesh Jain M V
Lat: 13.023369, Long: 74.96762

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

ALVA'S INSTITUTE OF ENGINEERING TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Phone: 08258-262725, Fax: 08258-262726
DEPARTMENT OF CIVIL ENGINEERING

REPORT ON SCILAB FOR COMPUTATIONAL ENGINEERING APPLICATION

Date: 08 Feb 2017 to 10 Feb 2017

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 08 Feb 2017 to 10 Feb 2017, 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 08 Feb 2017 to 10 Feb 2017. 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.

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

436

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
Lat: 13.023369, Long: 74.96762

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

437

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF MECHANICAL ENGINEERING

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

Date: 16th Feb 2017 to 18th Feb 2017

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 16th Feb 2017 to 18th Feb 2017, 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 16th Feb 2017 to 18th Feb 2017. In each session interested students of 3rd year Mechanical Engineering were given the opportunity to practice on OpenFOAM. As it's 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 interested students of Mechanical Engineering for a period of three days by Prof. Kiran C H.
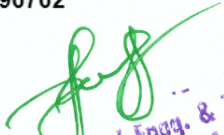
447

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 of 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
Lat: 13.023369, Long: 74.96762

448