



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, D.K – 574225

Phone: 08258- 262725, Fax: 08258-262726

Department of Computer Science & Engineering

Summary Report of Add-on / Certificate program with its Outcomes

Academic Year : 2016-2017	Duration: 27th August 2016 to 10th April 2017
Title of the Course: Advanced JAVA Programming	
Resource Person: Mr. Ashwath Kotian, JAVA Trainer, Prohibit Technology, Moodbidri	

Department of CSE organized One Year (Two Semesters) Certification Course on “Apple iOS Development”. This program was conducted from 27th August 2016 to 10th April 2017. The Resource Person of the program was Mr. Ashwath Kotian, JAVA Trainer, Prohibit Technology, Moodbidri. He delivered an in-depth information about the Java architecture, Basics of Java, Database Connectivity, Threads, and Swings, Applets and JDBC concepts.

99 students of CSE Department were benefitted from this course and were able to

- Write Java application programs using OOP principles and proper program structuring.
- Develop Java programs using packages, inheritance and interface.
- Create multithreaded programs.
- Develop Java programs having exception handling, servlets, XML handling etc.
- Build a Mini Project.



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Department of Computer Science & Engineering

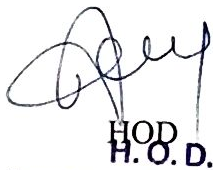
Summary Report of Add-on / Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 27th August 2016 to 10th April 2017.
Title of the Course: Android App Development	
Resource Person: Prof. Roshan Fernandes, CSE Department, NMAMIT, Nitte.	

Department of CSE organized One Year (Two Semesters) Certification Course on "Android App Development". This program was conducted from 27th August 2016 to 10th April 2017. The Resource Person of the program was Prof. Roshan Fernandes, CSE Department, NMAMIT, Nitte. He delivered a comprehensive and in-depth information about the basics of Android, its applications, Creating the android app using Android Studio platform.

103 students of CSE department are benefitted from this course and were able to

- Identify various concepts of mobile programming that make it unique from programming for other platforms
- Critique mobile applications on their design pros and cons.
- Utilize rapid prototyping techniques to design and develop sophisticated mobile interfaces.
- Program mobile applications for the Android operating system that use basic and advanced phone features



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Summary Report of Add-on / Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 27th August 2016 to 10th April 2017
Title of the Course: Apple iOS Development	
Resource Person: Ms. Swathi Hebbar, Apple Certified Trainer, Dhimahi Inc, Udupi	

The department conducted a 12 days Certification Course on "Android Application Development" from 27th August 2016 to 10th April 2017. Ms. Swathi Hebbar, Apple Certified Trainer, Dhimahi Inc, Udupi was the resource person. She delivered a comprehensive and in-depth information about the iOS architecture, Application Development and Publishing the Application on the Play store.

97 students of 2nd and 3rd year, Department of CSE are benefitted from this course and were able to

- Able to design and create iOS apps.
- Students got leverage about the Swift, the iOS SDK, and Apple developer tools.
- Familiar with object-oriented programming, design patterns, type systems, functional language features, user interface design, best practices in programming, and problem analysis.

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DEPARTMENT OF CIVIL ENGINEERING


Summary Report of Add-on / Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 23 Jan 2017 to 28 Jan 2017
Title of the Course: Introduction to CYPE Software	
Resource Person: Mr. Amarnath, Proprietor, FE Design Bangalore	

The department conducted a Five-day Certification Course on "Introduction to CYPE Software" from 23 Jan 2017 to 28 Jan 2017. Mr. Amarnath, Proprietor, FE Design Bangalore is the resource person. He delivered importance of design structural elements and hands on session on CYPE software.

138 students of final year, Department of Civil engineering are benefitted from this course and were able to

- Learn the basics of Loading as per Indian standards etc.
- Carry out the analysis and design of reinforced concrete and steel structures, subject to horizontal and vertical loads, for homes, buildings and civil work projects. Its use guarantees maximum analysis reliability and optimum drawing design.


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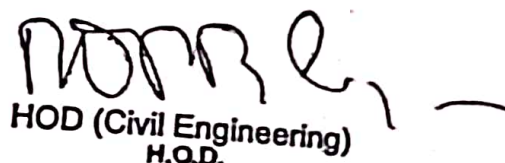
Summary Report of Add-on / Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 30 Jan 2017 to 3 Feb 2017
Title of the Course: Auto Cad Revit Architecture	
Resource Person: Mr. Vinod, Proprietor, CADD Center Moodbidri	

The department conducted a Five-day Certification Course on "Auto Cad Revit Architecture" from 30 Jan 2017 to 3 Feb 2017. Mr. Vinod, Proprietor, CADD Center Moodbidri is the resource person. He delivered hands-on session on Revit Architecture software.

105 students of third year, Department of Civil engineering are benefitted from this course and were able to

- To create a unified model that all disciplines and trades can use to complete their work.
- Develop Accurate Architectural Designs
- Manage The Construction Documentation
- Perform Building Element Energy Analysis


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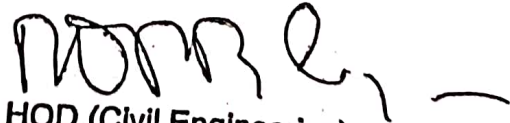
Summary Report of Add-on / Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 29 Aug 2016 to 03 sep 2016
Title of the Course: Design Visualization pro	
Resource Person: Mr. Vinod, Proprietor, CADD Center Moodbidri	

The department conducted a Five-day Certification Course on "Design Visualization pro" from 29 Aug 2016 to 03 sep 2016. Mr. Vinod, Proprietor, CADD Center Moodbidri is the resource person.

115 students of third year, Department of Civil engineering are benefitted from this course

- Gives leading 3D Design visualization tools that helps you gain a deeper understanding of a project before it is real.
- Helps various sectors by providing realistic expectations. Execution to check for conflicts and collisions before finalizing the project.
- Design visualization can help us to create better designs and sharpen your competitive edge.


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Department of Electronics & Communication Engineering

Summary Report of Add-on/Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 27-02-2017 to 1-04-2017
Title of the Course: Software Testing	
Resource Person: Mr. Anantha Somayaji, Managing Director, UniQval Software Solutions, Bangalore	

The department conducted Certification Course on “Software Testing” for 6th semester students of Electronics and Communication Engineering from February 27th 2017 to 1st April 2017 from UniQval Software solutions, Bangalore.

113 students of 2nd and 3rd year, Electronics and Communication Engineering are benefitted from this course and were able to

- Understand the Concepts & Importance of Software Testing.
- Create Test Plan, Test Scenarios, Test Case Development, Test Case Execution, Logging Defects, and Defect Life Cycle.
- Acquire the knowledge on Real Time Testing of Product: Abhyaspod - HTML, Android screen developments, website development, Database concepts (using both GUI tool and through commands).
- Develop Web Application using PHP, MySQL and HTML Selenium Automation.

Dr. D V Manjunatha

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Department of Electronics & Communication Engineering

Summary Report of Add-on/Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 11-10-2016 to 15-10-2016
Title of the Course: MATLAB and its application in Signal and Image Processing.	
Resource Person: Mr. Sanjeeva Kybakaddi, ITIE Knowledge Solutions, Bangalore	

The department conducted Certification Course on “MATLAB and its application in Signal and Image Processing” for Final students of Electronics and Communication Engineering from 11-10-2016 to 15-10-2016 from UniQval Software solutions, Bangalore.

111 students of Final year, Electronics and Communication Engineering are benefitted from this course and were able to

- Understand the Fundamentals of Signal Processing.
- Basics of MATLAB and its applications.
- Design different filters and operations such as convolution and correlation.
- Fundamentals of color image processing and color models.

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Department of Electronics & Communication Engineering

Summary Report of Add-on/Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 16-08-2016 to 22-08-2016
Title of the Course: Telecom Technology Awareness Course.	
Resource Person: Mr. V G Nayak, Senior Telecom Engineer, Telecom House, Pandeshwar, Mangalore.	

The department conducted Certification Course on "Telecom Technology Awareness Course" for 3rd year students of Electronics and Communication Engineering from 16-08-2016 to 22-08-2016 from Mr. V G Nayak, Senior Telecom Engineer, Telecom House, Pandeshwar, Mangalore.

111 students of 3rd year, Electronics and Communication Engineering are benefitted from this course and were able to

- Understand the Real time environment with hands on exposure to readily installed and working OFC/ STM-1/-STM-4/STM-16, DWDM, GPON (OLTE) systems along with necessary Testing Instruments, Broadband, Internet & Intranet, Wifi/WiMax, Mobile 2G/3G/4G Techniques, Voice & Data Calls.
- Insight to optical fiber communication, Digital Switching systems, Computer Networks.

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Department of Information Science & Engineering

Summary Report of Add-on / Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 17-07-2016 to 21-07-2016
Title of the Course: ANDROID APPLICATION DEVELOPMENT	
Resource Person: Mr. RAHUL KANOJIA, CEO, DIPLOMADS PROFESSIONAL SERVICES PVT. LTD., MUMBAI.	

The department conducted a Five-day Certification Course on "Android Application Development" from 17-07-2016 to 21-07-2016. Mr. Rahul Kanojia, Founder & CEO, Diplomads Professional Services Pvt. Ltd, Mumbai is the resource person. He delivered a comprehensive and in-depth information about the Android architecture, Application Development and Publishing the Application on the Play store.

62 students of 3rd and 4th year, Department of ISE are benefitted from this course and were able to

- Learn the basics of building Android apps with the Kotlin programming language.
- Prepare themselves for the Associate Android Developer certification exam.
- Acquire the knowledge of "Mobile Application Development" which is the open elective course introduced by the University.

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Department of Information Science & Engineering

Summary Report of Add-on / Certificate program with its Outcomes

Academic Year : 2016-17	Duration: 23-01-2017 to 27-01-2017
Title of the Course: ARM 7 PROCESSOR AND KEIL IDE	
Resource Person: Mr. SHREENATH K. & Mr. VENU, CHIPMAX GROUP, BENGALURU.	

The department conducted a Five-day Certification Course on “Android Application Development” from 23-01-2017 to 27-01-2017. Mr. Shreenath K and Mr. Venu, ChipMax Group, Bengaluru are the resource persons. They delivered a comprehensive and in-depth information about the basics of ARM 7, its applications, ARM architecture, Instruction set, Memory management, Optimized code writing etc.

29 students of 2nd year, Department of ISE are benefitted from this course and were able to

- Write and test application code on ARM 7.
- Investigate different hardware configurations to optimize the hardware design.
- Test and validate Safety-critical systems thoroughly.
- Configure debugger features, source code modifications, application development features etc.
- View and print execution analysis reports for certification requirements.
- Acquire thorough knowledge on ARM 7 processor.

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Department of Mechanical Engineering

ACADEMICS YEAR 2016-17

Summary Report of Add-on / Certificate program with its Outcomes

Title of the Course: CATIA and ANSYS

Learning Outcomes : The student have learnt to

- Demonstrate competency with multiple drawing and modification commands in CATIA.
- Create three-dimensional solid models.
- Create three-dimensional assemblies incorporating multiple solid models.
- Apply industry standards in the preparation of technical mechanical drawings.
- Create Simulation of the assemblies incorporating multiple solid models.
- use the ANSYS package to solve basic engineering analysis problems using FEA techniques.

Title of The course : INDUSTRIAL SAFETY ENGINEERING

Course Outcomes : The student have learnt to:

- Understand the basic safety terms and international standards.
- Identify the hazards and risk analysis around the work environment and industries.
- Use the safe measures while performing work in and around the work area of the available laboratories. Able to recognize the sign boards and its application
- Recognise the types of fires extinguishers and to demonstrate the portable extinguishers used for different classes of fires.
- Report the case studies by sharing experience of the employees working in housekeeping, laboratories like workshops, electrical labs, machine shops, electronics and computer laboratories.
- Recognise the chemical and electrical hazards for its prevention and control

Title of the Course: Fire and Safety in Industry

Course Outcomes : The student have learnt to

- Understand the basic safety terms and international standards.
- Use the safe measures while performing work in and around the work area of the available laboratories. Able to recognize the sign boards and its applications
- Identify the hazards and risk analysis around the work environment and industries
- Recognise the types of fires extinguishers and to demonstrate the portable extinguishers used for different classes of fires.

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**Alva's Institute of Engineering and Technology,
Mijar, Moodbidri, Mangalore**

POST GRADUATE DEPARTMENT OF BUSINESS ADMINISTRATION

**REPORT ON OUTCOME OF CERTIFICATE COURSES CONDUCTED IN THE
YEAR 2016-17**

BUSINESS ENGLISH CERTIFICATION COURSE – 13.10.2016 TO 23.02.2017

1. Students were trained in English speaking, grammar.
2. Students were able to prepare short notices and texts for circulation among limited groups.
3. Students wrote business letters and prepared official communications.

WORKING WITH MICROSOFT OFFICE COURSE” -13.10.2016 TO 23.02.2017

1. Students were able to prepare professional documents using Microsoft word.
2. Students were able to develop workbook and print workbook contents.
3. Students prepared PowerPoint presentation using variety of designs and patterns.

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PRINCIPAL

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