Department of Computer Science & Engineering

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

Academic Year : 2020-2021	**Duration**: Every Saturday from 06th February 2021 onwards till end of the even Semester.
Title of the Course: Apple iOS App Development using Swift C Language and XCode	
Resource Person: Mr. Mahesh Naik, iOS Developer at Robosoft Technologies Udupi.	

Department of CSE organized Certification Program on "Apple iOS App Development using Swift C Language and XCode" for the students of III Semester CSE. The Certification Program was planned to conduct on every Saturday from 06th February 2021 onwards till end of the even Semester. Mr. Mahesh Naik, iOS Developer at Robosoft Technologies Udupi, was the Resource Person for this Certification Program. He taught the basic concepts, iOS overview, Xcode, Swift, API Call, Core Data, Debugging, Multithreading etc.

Around 27 students of 2nd years CSE department were benefited by the course were benefitted from this course and were able to

- Define key programming terms relevant to Swift and iOS programming.
- Describe the process of creating iOS apps.
- Employ the Apple developer tools to create an iOS app.
- Demonstrate programming best practices in Swift.
- Examine and subdivide app functionality into properly designed components.

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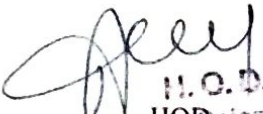## Department of Computer Science & Engineering

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

Academic Year : 2020-2021	Duration: 15th February, 2021 to 20th February, 2021.
Title of the Course: Basics of Java	
Resource Person: Prof. Sayeesh & Ms. Shilpa, Dept. of CSE, AIET, Moodbidri.	

Department of CSE organized a 5 days Certification Program on "Basics of Java " from 15th February, 2021 to 20th February, 2021. Resource person Prof. Sayeesh & Ms. Shilpa, Dept. of CSE, AIET, Moodbidri. The concepts covered during the sessions were features of OOP's: Inheritance, Polymorphism, Data Abstraction, Interfaces, Mutlithreading, Basics of Applet and Swings etc.

About 75 students of 2nd years CSE department were benefited by the course were benefitted from this course and were able to

- Use the syntax and semantics of java programming language and basic concepts of OOP.
- Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.
- Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes.
- Design event driven GUI and web related applications which mimic the real word scenarios.

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

Academic Year : 2020-2021	**Duration**: Full year (July 2020 to June 2021)
Title of the Course: Online Certification (Coursera, GreatLearning, Orcale etc)	
Resource Person: -	

Dept. had decided to make the students learns through various online platform about the various topics that are relevant their curriculum due to Covid-19. Hence Dept. had given list of platform through which students can do the online certification course. All the final year students were suggested to do Course on Artificial intelligence and Machine Learning via Oracle platform for around 30 hours and all pre final years were advised to complete the Database foundation course through Oracle platform which was a course for around 30 hours duration.

Totally around 195 students of CSE department completed the Online certification course through various platforms, from this course students were able to

- Identify the basic concepts and various data model used in database design ER modelling concepts and architecture use and design queries using SQL

- Apply relational database theory and be able to describe relational algebra expression, tuple and domain relation expression from queries.

- Understand the basic theory underlying machine learning.

- Formulate machine learning problems corresponding to different applications.

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

Academic Year : 2020-21	Duration: 04/05/2021 to 08/05/2021
Title of the Course: 5 DAY ONLINE SOFTWARE TRAINING ON QGIS	
Resource Person: Mr. Karthik Naik research scholar IISC Bangalore	

The department conducted a Five-day Certification Course on "5 DAY ONLINE SOFTWARE TRAINING ON QGIS" from 04/05/2021 to 08/05/2021. Mr. Karthik Naik research scholar IISC Bangalore

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

- Understand the basic concepts of GIS. Raster, vector, projections, geo-processing and analysis.
- Create 3D models for terrain visualization (and further use as hill-shadowing

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

Academic Year : 2020-21	Duration: 18/20 2020 to 20/0/2021
Title of the Course: Revit Architecture Certification Course"	
Resource Person: Mr. Vinod, Proprietor, CADD Center Moodbidri	

The department conducted a Five-day Certification Course on "Revit Architecture Certification Course" from 18/20 2020 to 20/0/2021. Mr. Vinod, Proprietor, CADD Center Moodbidri. He delivered hands-on session on Revit Architecture software.

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

- Develop higher-quality, more accurate architectural designs, which helps to get good placements in various reputed industries.
- Learn to capture and analyze concepts, and maintain your vision through design, documentation, and construction.
- Develop higher-quality, more accurate architectural designs; use tools specifically built to support Building Information Modeling workflows.

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Department of Electronics & Communication Engineering

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

Academic Year : 2020-21	Duration:1-12-2020 to 5-12-2020
Title of the Course: Introduction to Arduino.	
Resource Person: Mr. Sudhakara H M, Assistant Professor, Dept of ECE, AIET, Mijar.	

The department conducted Certification Course on "Introduction to Arduino" for 2nd year students of Electronics and Communication Engineering from 1-12-2020 to 5-12-2020 by Mr. Sudhakara H M, Assistant Professor, Dept of ECE, AIET, Mijar.

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

- Learn the basic of Arduino.
- Use of built-in IDE.
- Download the firmware to Arduino.
- Understand the concepts of variable typrs, control logics, iterations etc.

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Department of Electronics & Communication Engineering

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

Academic Year : 2016-17	Duration: 26-12-2020 to 30-12-2020
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 final year students of Electronics and Communication Engineering from 26-12-2020 to 30-12-2020 by Mr. Anantha Somayaji, Managing Director, UniQval Software Solutions, Bangalore.

98 students of final 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.

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Department of Electronics & Communication Engineering

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

Academic Year : 2020-21	Duration: 12-04-2021 to 17-04-2021
Title of the Course: Embedded Product Design	
Resource Person: Mr.Punit Salian, Director, Zilliot Technologies Pvt Ltd.	

The department conducted certification course on "Embedded Product Design" for 3rd year students of Electronics and Communication Engineering from 12-04-2021 to 17-04-2021 by Mr.Punit Salian, Director, Zilliot Technologies Pvt Ltd.

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

- Understand Product Design Flow.
- Learn the Architecture design of product development.
- Firmware development and hardware board development.

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Department of Information Science & Engineering

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

Academic Year : 2020-21	Duration: 24-05-2021 to 28-05-2021
Title of the Course: PROJECT MANAGEMENT AND REPORTING USING LATEX	
Resource Person: DR. KUMARASWAMY V, ASSISTANT PROFESSOR, KLE INSTITUTE OF ENGINEERING & TECHNOLOGY, HUBBALLI.	

The department conducted a Five-day Certification Course on "Project Management and reporting using Latex" from 24-05-2021 to 28-05-2021. Dr. Kumaraswamy V., Assistant Professor, KLE Institute of Engineering & Technology, Management, Hubballi is the resource person. He delivered a comprehensive and exhaustive information about LaTeX reporting tool, Project Management principles and Best practices for organizational and project success.

141 students of 2nd Year, 3nd Year & Final Year, Department of ISE are benefitted from this course and were able to

- Use LaTeX for report writing.
- Explain the differences between TeX and LaTeX.
- Understand the advantages of LaTeX over other more traditional software.
- Install and use MikTeX.
- List LaTeX compatible operating systems.
- Understand the concepts of project management from planning to execution of projects.
- Understand the conceptual clarity about project organization and feasibility analysis.

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Department of Mechanical Engineering

ACADEMICS YEAR 2020-21
Summary Report of Add-on / Certificate program with its Outcomes

Title of the Course: Applied Thermal Engineering
Learning Outcomes: The student have learnt to   - apply advanced thermal engineering concepts in the design of engineering equipment/ systems.   - utilize non-conventional energy resources for the development of ecofriendly thermal systems   - Independently carry out research/investigation and development work to solve thermal engineering problems.

Title of The course : Computer Aided Design and Drafting Course
Course Outcomes : The student have learnt to   Utilize CADD software to create 3D CADD models of various manufactured products and their components to create and interpret engineering drawings at an industry entry skill level.

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POST GRADUATE DEPARTMENT OF BUSINESS ADMINISTRATION

REPORT ON OUTCOME OF CERTIFICATE COURSES CONDUCTED IN THE YEAR 2020-21

INTERNATIONAL TAX AND TECHNOLOGY COURSE 01.04.2021 TO 31.05.2021

1. Students were familiarised with the preparation of US tax laws.

2. Students were trained to file returns of US assessees, individuals, partnerships and companies.

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