



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 : 2019-2020	Duration: 27 th Sep 2019 to 4 th Oct 2019
Title of the Course: Blockchain Technologies	
Resource Person: Mr. Sudeep Sagar, EMURGO Academics.	

Department of Computer Science and Engineering, AIET, Mijar organized a 8 days Certification Course/Workshop on “Blockchain Technologies” in Association with EMURGO Academics on 27th Sep to 4th Oct 2019. Mr. Sudeep Sagar, EMURGO Academics was the resource person for the session. He explained about the Basics of Block chain, Usage of SHA256 encryption techniques, Defense against the attacker, Creating block chains etc.

Totally 47 students of CSE department were benefited by the course were benefitted from this course and were able to

- Understand how blockchain systems (mainly Bitcoin and Ethereum) work,
- To securely interact with them,
- Design, build, and deploy smart contracts and distributed applications,
- Integrate ideas from blockchain technology into their own projects.



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

Academic Year : 2019-2020	Duration: Full year (July 2019 to June 2020)
Title of the Course: Online Certification (Coursera, GreatLearning, Oracle etc)	
Resource Person: -	

Due to Covid-19 Lockdown, Dept. of CSE had given list of platform through which students can do the online certification course. All the final year & pre final year students were suggested to do minimum 2 certification course of duration more than 50 hours.

Totally 153 Students completed the Online certification course through various platforms, from this course and were able to

- Have Better career opportunities in the job market.
- Construct learning outcomes and develop an assessment plan for a course, learning activity, academic major or program.
- Identify strategies for using assessment results to improve learning.
- Coordinate activities related to academic assessment on their campus.

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

Academic Year : 2019-2020	Duration: 21-07-20 to 25-07-20
Title of the Course: How to develop Pythonic coding rather than Python coding – Logic Perspective	
Resource Person: Dr. S. Mohideen Badhusha, Professor, Dept. of CSE, AIET, Moodbidri.	

Department of Computer Science and Engineering and Electronic and Communication Engineering in Association with CSI Bangalore organized a Five days certification/workshop Programme on “How to develop Pythonic coding rather than Python coding – Logic Perspective” conducted from 21.07.20 to 25.07.20 for all the students from II and III years of CSE, ECE and ISE of AIET for around 250 students. The resource person for the program was Dr. S. Mohideen Badhusha, Professor, Dept. of CSE, AIET, Moodbidri. He explained about Basic programming constructs in Python, Iteration and Strings, Lists & Tuples, Dictionary & File.

Totally 130 students of CSE department were benefited by the course were benefitted from this course and were able to

- Write programs with complete understanding of the logics.
- Become better programmers with good reasoning at their interviews
- The logical building ability of the students will get improved by continuous and rigorous practices.



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

Academic Year : 2019-20	Duration: 16 Jan 2020 to 20 Jan 2020
Title of the Course: Auto CADD 3D	
Resource Person: Mr. Vinod, Proprietor, CADD Center Moodbidri	

The department conducted a Five-day Certification Course on "Auto CADD 3D" from 16 Jan 2020 to 20 Jan 2020. Mr. Vinod, Proprietor, CADD Center Moodbidri is the resource person.

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

- Create drawings and Reports related to Site, Road, Canal, and Railway & Infra Projects. Which helps to improve the highway alignment planning, layout and cross section of roads
- Design the Geometrical features of the road such as designing Horizontal Curve, Vertical Curve, Profile Correction, Super Elevation, Road Widening, Plan Profile creation.


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

Academic Year : 2019-20	Duration: 26 Feb 2020 to 01 March 2020
Title of the Course: E survey	
Resource Person: Mr. Yedupathi and Mr. Sanjay, Training Engineer, Esofttech Pvt. Ltd. Bangalore	

The department conducted a Five-day Certification Course on "Sketch Up" from 19 Feb 2019 to 23 Feb 2019. Mr. Manjunath Reddy, SAI CADD Bangalore is the resource person. He delivered hands-on session on Revit Architecture software.

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

- Create simple building models and useful everyday shapes, from 2-D plans, elevations and sections using SketchUp 3-D modeling software.


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

Academic Year : 2019-20	Duration: 02 Mar 2020 to 06 Mar 2020
Title of the Course: Google sketch up	
Resource Person: Mr. Vinod, Proprietor, CADD Center Moodbidri	

The department conducted a Five-day Certification Course on "Google sketch up" from: 02 Mar 2020 to 06 Mar 2020. Mr. Vinod, Proprietor, CADD Center Moodbidri

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

- Create the 3D modelling of various Buildings.
- Create the job opportunities in the various architectural design industry and also helps to improve the confidence level of the students in the placemet


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Department of Electronics & Communication Engineering

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

Academic Year : 2019-20	Duration: 18-11-2019 to 22-11-2019
Title of the Course: HAM Radio in Today's Digital Technologies and Disaster Management.	
Resource Person: Dr. Shankar Sathyapal, Director, IIH, Bangalore.	

The department conducted Certification Course on "HAM Radio in Today's Digital Technologies and Disaster Management" for 2nd and 3rd year students of Electronics and Communication Engineering from 18-11-2019 to 22-11-2019 by Dr. Shankar Sathyapal, Director, IIH, Bangalore.

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

- Explore the HAM Radio clubs in India and throughout world.
- Understand the design of Transmitter and Receiver antenna.
- Explore different modulation techniques.
- Learn different modes of communication with respect to HAM Radio.
- Explore about conducting scientific experiments in radio techniques - propagation studies.



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 : 2019-20	Duration: 21-07-2020 to 25-07-2020
Title of the Course: How to develop Pythonic coding rather than Python coding- Logic Perspective.	
Resource Person: Dr.Mohideen Badhushah, Professor, Dept of CSE, AIET, Mijar.	

The department conducted Online certification course on “How to develop Pythonic coding rather than Python coding- Logic Perspective” for 2nd and 3rd year students of Electronics and Communication Engineering from 21-07-2020 to 25-07-2020 by Dr.Mohideen Badhushah, Professor, Dept of CSE, AIET, Mijar.

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

- Understand the basic programming constructs in Python.
- Build Pythonic code in Iteration and strings.
- Build Pythonic code in Lists, Tuple and Dictionary.
- Write programs with complete understanding of the logics.

D.V.

Dr. D V Manjunatha

H. O. D.

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Department of Electronics & Communication Engineering

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

Academic Year : 2019-20	Duration:
Title of the Course: Online Course	

Due to Covid-19 Lockdown, Dept. of ECE had given list of platform through which students can do the online certification course. All the students were suggested to do minimum 3 certification course. Dept. monitored their daily performance by collecting the information about what they learnt on everyday basis.

194 students of 2nd, 3rd, 4th year, Electronics and Communication Engineering are benefitted from this course and were able to

- Learn the concepts of IOT, Statistical Learning, MATLAB Onramp, C Programming, C++ Programming Network security and database vulnerabilities, RPA, Digital marketing etc.
- Utilize the lockdown period efficiently to learn courses useful for their placements and academics.

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

Academic Year : 2019-20	Duration: 16-07-2019 to 20-07-2019
Title of the Course: NANO TECHNOLOGY AND ITS APPLICATIONS	
Resource Person: Dr. RAJU HAJARE, ASSOCIATE PROFESSOR, BMS INSTITUTE OF TECHNOLOGY & MANGEMENT, BENGALURU.	

The department conducted a Five-day Certification Course on “Nano Technology and Its Applications” from 16-07-2019 to 20-07-2019. Dr. Raju Hajare, Associate Professor, BMS Institute of Technology & Management, Bengaluru is the resource person. He delivered a broad and exhaustive information about Nanotechnology and its applications in military, healthcare, drugs, electronics and computer fields etc. He also focused on carbon nanotubes, nanorods and also on different approaches used in practice.

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

- Explain the foundational knowledge of the Nanotechnology and related fields.
- Acquire an understanding of Nanotechnology and its applications.
- Understand in broad the outline of Nanoscience and Nanotechnology.


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Department of Mechanical Engineering

ACADEMICS YEAR 2019-20

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

Title of the Course: ANSYS

Learning Outcomes: The student have learnt to

- Understand the concepts behind formulation methods in FEM.
- Identify the application and characteristics of FEA elements such as bars, beams, plane and iso-parametric elements.
- Develop element characteristic equation and generation of global equation.
- Able to apply suitable boundary conditions to a global equation for bars, trusses, beams, circular shafts, heat transfer, fluid flow, axi symmetric and dynamic problems and solve them displacements, stress and strains induced..

Title of The course : CATIA

Course 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

Title of the Course: CNC

Course Outcomes : The student have learnt to

- Appreciate the importance of CNC lathe and CNC Milling machines
- Understand the codes (G-code and MCode) used in CNC machines for programming
- Develop Programming skills and create an component for required drawing, Simulate the prepared part programme using available simulation software's. And Prepare the parts on CNC

Title of the Course : HANDS ON FABRICATION WORK

Course Outcomes : The student have learnt to

- Build thorough knowledge of various tools, machines, devices used in engineering practice.
- Acquire thorough knowledge of carrying out various operations in mechanical engineering workshop
- Utilize measuring skills gained in workshop practice
- Acquire "Hands on" training and practice to students for use of various tools, devices and machines
- Acquire skills in basic engineering practice for creating objects from raw materials Utilize practical skills in guiding works the trades

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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 2019-20**

**ADVANCED DIPLOMA IN PAYROLL, TALLY, GST, ACCOUNTS"– 9.09.2019 TO
18.03.2020**

1. Students were familiarised with the preparation of Financial Statements using TALLY software.
2. Students were introduced to the calculation of IGST, CGST and SGST and its payments.
3. Students learnt the concept of supply and its various types.

WORKING WITH MICROSOFT OFFICE COURSE" -28.10.2019 TO 6.3.2020

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.


DEAN

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