Board of Studies in Computer Applications
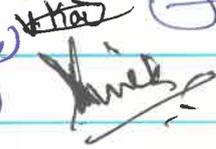
MCA

15th June 2019

Board of Studies meeting held on 15/6/2019, Saturday from 10:00 am onwards for MCA.
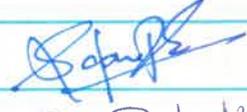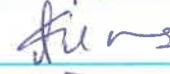
External members   Signature

1. Dr. R.S. Bhuvaneswaran, University Nominee
2. Dr. S. Nickolas, Expertmember (Academia)
3. Dr. R. Manavalan, Expert member (Academia)
4. Ms. V. Karthic PrabhuRam, Expert member (Industry)
5. Mr. Vivek Vishwanathan, Expert member (Industry)

Internal Members   Signature

1. Dr. P. G. Sapna   Chairman, HOD
2. Dr. S. Sikappi   Member
3. Ms. L. YamunaDevi   member
4. Ms. V. Savithri   Member
5. Ms. A. G. Aruna   Member
6. Dr. R. Ashok Kumar   Member
7. Ms. V. Vishu   Member

COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution Affiliated to Anna University, Chennai)

Coimbatore - 641 014.

Department of Computer Applications

Minutes of Board of Studies Meeting held on 15-06-2019 at 10:30 a.m.

Agenda:

1. Discussion on the Syllabus 2018

2. Approval for adding new elective courses

3. Discussion on 1-credit courses.

   Discussion on the Syllabus 2018

   Dr.R.S.Bhuvaneshwaran, Dr. Nickolas and the BOS members had a discussion about the changes suggested in the BOS meeting conducted in 15-12-2018.

   ▪ To add elective courses 'Wireless Network' and 'Human Computer Interaction'

Adding New Elective Courses

1. **18MCAE33: Human Computer Interaction.**

   • The BOS members approved the syllabus and suggested to include hands on activities.

   Dr.R.S.Bhuvaneshwaran suggested to have elective lab for the course.

2. **Wireless Networks Course.**

   • Dr.R.S.Bhuvaneshwaran suggested to rework the syllabus as there is a overlap (repeat) of topics between Mobile Computing and Wireless Networks course and to include recent editions of the text books for Wireless Networks.

   • Mr.Karthic Prabhuram suggested focusing more on the first three layers of the network than the rest of the layers. Mr.Karthic Prabhuram told ten hours can be considered for 3G Network, two third can be for 5G, one third can be given for 4G Networks and also recommended including 5G networks in the syllabus.

3. **Block Chain Technologies Course.**

   • Dr.R.S.Bhuvaneshwaran asked to introduce Cryptography, crypto currencies and Bitcoin in the first unit and to include application of Block Chain using any one currency.

Dr.R.S.Bhuvaneshwaran also insisted to include technologies in Block Chain in the second unit.

- Dr.R.Manavalan suggested including case studies in the fifth unit and seconded the opinion to introduce alternate coins in the end of the course.

4. **Introduction to Data Structures and Algorithm**.

- Dr.R.Manavalan, Mr.Karthic Prabhuram and Mr.V.Vivek suggested to give option to lateral entry students to choose an elective.

- The content of the syllabus to be focused on applications of data structures and algorithms.

5. **Sensors and IOT** - Dr.R.S.Bhuvaneshwaran suggested that the title of the course may be limited to 'Sensors and Actuators for IOT' and asked to include Fundamentals of IOT in the last unit. However, the course may not be given as a prerequisite for the IOT course.

6. Introduce **new courses** on Business Process Modeling / Business Process Engineering, Single Page Application and Open Stack, as these courses are relevant in today's scenario.

Discussion on one-credit course.

- Dr.R.Manavalan suggested including Business Analytics Process as One Credit Course. Dr.R.Manavalan also told learning one credit is extra and not optional learning.

- Dr. Nickolas suggested that Internet of Things may be included as One credit Course.

- List of courses offered were presented and suggestions for relevant industry focused courses were discussed.

HOD