KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE- 638 060

<u>MINUTES OF THE MEETING OF BOARD OF STUDIES IN B.Sc</u>

MEETING No. 21

DATE : 19-06-2021

TIME : 10.00 AM (Online)

Google Meet Id: https://meet.google.com/uyx-vyqr-zjq

The following members were present for the meeting:

	Name, Designation and Affiliation	Chairman
1.	Dr.P.Natesan Professor & Head Department of Computer Technology – UG Kongu Engineering College.	
2.	Dr.S.Suriya Associate Professor Department of Computer Science and Engineering, PSG College of Technology, Peelamedu, Coimbatore.	University Nominee
3.	Dr. N.Radhika Professor Department of Computer Science, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore.	Academic Council Nominee
4.	Dr. V.S.Shankar Shriram Associate Dean, School of Computing SASTRA University	Academic Council Nominee
5.	Mr. M.Nandakumar Software Architect Development Specialist, SAP	Alumni Representative
6.	Mr.S. Balasubramanian Digital Architect, Microsoft Corporation India Pvt Ltd, Domlur, Bangalore.	Industry Representative
7.	Dr.S.Kalaiselvi Assistant Professor (SLG) Kongu Engineering College	Internal Member
8.	Dr.S.Karunakaran Associate Professor Kongu Engineering College	Internal Member
9.	Dr.S.Kavitha Bharathi Associate Professor Kongu Engineering College	Internal Member
10.	Dr.S.Gandhimathi Associate Professor Kongu Engineering College	Internal Member
11.	Ms.S .Nandhini Devi Assistant Professor (SRG) Kongu Engineering College	Internal Member
12.	Dr.K.Saraswathi Assistant Professor (SRG) Kongu Engineering College	Internal Member
13.	Dr.S. Parvathavarthini, Assistant Professor (SRG)	Internal Member

	Kongu Engineering College	
14.	Ms.S.S.Saranya Assistant Professor Kongu Engineering College	Internal Member
15.	Dr.N.T.Renukadevi Assistant Professor (SRG) Kongu Engineering College	Internal Member
16.	Mr.A.Kalyanasaravanan Assistant Professor (SRG) Kongu Engineering College	Internal Member
17.	Ms.K.Sathya Assistant Professor Kongu Engineering College	Internal Member
18.	Ms.S.Poorani Assistant Professor (SRG) Kongu Engineering College	Internal Member
19.	Dr.Sakthi Radha Assistant Professor (SRG) Kongu Engineering College	Internal Member
20.	Dr.C.N.Vanitha Assistant Professor (SRG) Kongu Engineering College	Internal Member
21.	P.Gokila Brindha (SRG) Assistant Professor Kongu Engineering College	Internal Member
22.	V.Gowrishankar Assistant Professor (SRG) Kongu Engineering College	Internal Member
23.	Ms.D.Hemalatha Assistant Professor (SRG) Kongu Engineering College	Internal Member
24.	Ms.M.Santhiya Assistant Professor Kongu Engineering College	Internal Member
25.	Ms.A.S.Renugadevi Assistant Professor Kongu Engineering College	Internal Member
26.	Ms.S.Malathy Assistant Professor Kongu Engineering College	Internal Member
27.	Ms.D .Nanthiya Assistant Professor Kongu Engineering College	Internal Member
28.	Ms.M.N.Kavitha Assistant Professor Kongu Engineering College	Internal Member

Meeting of the B.Sc Board:

Dr.P.Natesan,Chairman/B.Sc welcomed the members and briefed on the rules and regulations governing the autonomous scheme and presented the agenda points including the draft syllabi from 3rd semester to 6th semester under Regulation 2020 of UG Programme.
The board discussed and approved the following points as per the agenda:

Item No. 21.1: Confirmation of Minutes of the previous Board of Studies meeting

Resolved to confirm the minutes of the previous Board of Studies Meeting held on 29.08.2020.

Item No. 21.2: Ratification of the following items under R2014 & R2018 as given in Appendix-I.

a. Course and Syllabi for PhD Course work - Nil

b. One credit courses – The following courses are offered to students as two credit course.
      18VAC16-Professional skills training
      18VAC62-Introduction to GitHub
      18VAC64-Programming with Golang
      18VAC65-Introduction to augmented reality using UNITY game engine

c. On line courses
      noc20-cs78 Social Networks
      noc21-cs23 Data Science for Engineers
      noc21-cs31 Social Networks

d. Curriculum and Syllabi amendments under R2014 & R2018 - Nil

e. Introduction of new electives under R2014 &R2018 - Nil

f. Credit transfer from Foreign Universities, Change of Regulations for readmitted students, Transferred candidates – Nil

It is resolved to ratify the above items a, b, c, d, e, f and g as given in Appendix – I.

Item No. 21.3. Approval of the Syllabi from 3rd semester to 6th semester B.Sc Computer Systems and Design, Information Systems and Software Systems under R2020 as given in Annexure-II

The members discussed the syllabi from third semester to sixth semester B.Sc Computer Systems and Design, Information Systems and Software Systems under R2020 as given in Annexure – II and approved the same.

Item No. 21.4. Approval for one credit courses, on-line courses with syllabi, Transfer of credits from UGC & AICTE approved institutions and Credit transfer from foreign universities under R2018 & R2020 as given in Annexure-III.

The members discussed the following one credit courses, on-line courses with syllabi, Transfer of credits from UGC and AICTE approved institutions including NPTEL, SWAYAM, etc., and Credit transfer from foreign universities under R2018 & R2020 (from the year 2021-22 onwards) as given in Annexure – III and approved the same.

Item No. 21.5. Approval of Syllabus for PhD courses under R2020 as given in Annexure-IV.

Nil

Item No. 21.6. To recommend the online examination system to be followed for the April/May 2021 End Semester Examinations as given in Annexure-V.
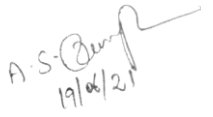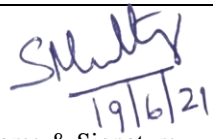
The members discussed recommend the online examination system to be followed for the April/May 2021 End Semester Examinations as given in Annexure-V

The following suggestions were made by the members:

- In software engineering the extreme programming and Scrum methodology can be mentioned specifically in Agile Process models.
- In open source programming OWASP can be included for security enhancement.
- In OOAD laboratory, forward engineering and reverse engineering can be included.
- Open source tools can be used for E-R modeling.
- In software architecture the recent advancements like cloud based model can be incorporated.
- Small projects can be given based on the concept.
- In Mobile Application Development Laboratory, Toggle Buttons, Layouts, Audio and Video clipping need to be incorporated.
- In cloud computing , Virtualization can be demonstrated with Zen and one real time application is to be given for each cloud service.
- Database topic can be included in Python programming.
- Google CP can be included in information security
- In Multicore architecture syllabus, the concept of message and instruction level parallelism can be included with Open MP and MPI.
- Network security introduction is needed for Blockchain Technology.
- Projectlibre can be used in Software Project Management for activity planning.
- Memory leaks testing can be included in Software Testing laboratory.
- Quantum Computing can be included in the value added course.
- Certification courses can be given as two credit courses.
- Advanced cloud services can be included in value added courses.

The meeting was concluded with a vote of thanks to the members.

Name & Signature (Dr.S.Suriya)	Name & Signature (Dr. N.Radhika)
Name & Signature (Dr.V.S.Shankar Shriram)	Name & Signature (Mr. M.Nandakumar)
Name & Signature (Mr.S. Balasubramanian)	Name & Signature (Dr.S.Kalaiselvi)
Name & Signature	Name & Signature (S.Poorani)
Name & Signature (Dr.S.KavithaBharathi)	Name & Signature (Dr.S.Gandhimathi)
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Name & Signature (K.Sathya)	Name & Signature (S.Poorani)
Name & Signature (M.Sakthiradha)	Name & Signature (Dr.C.N.Vanitha)
Name & Signature (P.Gokilabrindha)	Name & Signature (V.Gowrishankar)
Name & Signature (D.Hemalatha)	Name & Signature (M.Sandhiya)
Name & Signature (A.S.Renugadevi)	Name & Signature (S.Malathy)
Name & Signature (D.Nandhiya)	
	Name & Signature Chairman/BoS

Ratification items under R2014 & R2018 implemented during the last academic year 2020-21

a. Course and Syllabi for PhD Course work

b. One credit courses

c. On line courses

d. Curriculum and Syllabi amendments under R2014 & R2018

e. Introduction of new electives under R2014 &R2018

f. Credit transfer from Foreign Universities, Change of Regulations for readmitted students, Transferred candidates

g. Other items if any

Annexure - II

Syllabi from 3rd semester to 6th semester B.Sc Computer Systems and Design, Information Systems and Software Systems under R2020

List of One credit courses, on-line courses and syllabi, Transfer of credits from UGC and AICTE approved institutions and Credit transfer from foreign universities under R2018 & R2020 (from the year 2021-22 onwards)

Online Courses

Real-Time Systems

Natural Language Processing

Introduction to Quantum Computing: Quantum Algorithms and Qiskit

Probability for Computer Science

Computer Vision

Real-Time Systems

Demystifying Networking

Advanced computer architecture

Introduction to algorithms and analysis

Data Science for Engineers

Reinforcement Learning

Social Networks

Introduction To Haskell Programming

C-Based VLSI Design

Two Credit Courses:

Natural Language Processing with Python

DATA Analytics Using R

Introduction to Augmented Reality

Cyber Security

Programming With GOLANG

MATLAB for Computer Programming

Version Control with Git and GitHub

Online examination system to be followed for the April/May 2021 End Semester Examinations as given below:

<u>Question Paper Pattern:</u>
- ❖ Each Question paper will contain 75 Multiple Choice Questions (MCQ) with 15 questions from each unit.
- ❖ All the questions should be answered.
- ❖ Time duration: 90minutes.
- ❖ There is no negative marking

<u>Examination Procedure:</u>
- ❖ Students are allowed to answer the questions, one after another in ascending order only.
- ❖ Students are not allowed to answer previous questions.
- ❖ Without answering the current question, students are not allowed to move on to the next / subsequent questions.
- ❖ Once a question is answered and submitted, then the answer cannot be altered.