![KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY logo]

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(**An Autonomous Institution** - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

ANNEXURE VI

DEPARTMENT OF INFORMATION TECHNOLOGY

B.Tech IT Curriculum

SL NO	SUB NAME	L	T	P	C
	THEORY COURSES				
1	TECHNICAL ENGLISH – II	3	0	0	3
2	ENGINEERING MATHEMATICS – II	3	1	0	3/4
3	PROGRAM SPECIFIC PHYSICS (CSE, IT, AI)	3	0	0	3
4	ENVIRONMENTAL SCIENCE AND ENGINEERING	3	0	0	3
5	ENGINEERING GRAPHICS	3	0	0	3
6	PROBLEM SOLVING AND PYTHON PROGRAMMING (CSE, IT, AI)	3	0	0	3
	LABORATORY COURSES				
7	ENGINEERING PRACTICES LABORATORY	4	0	0	2
8	PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY(CSE, IT, AI)	4	0	0	2
	TOTAL CREDITS				22/23

SEMESTER II MODEL II

Total Number of Courses	8
Theory Courses	6
Laboratory Courses	2

5 August 2020   1st BoS Meeting (IT- Board)   52

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI**)**

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF INFORMATION TECHNOLOGY
Minutes of Meeting –First Draft –BoS –5th August, 2020

MINUTES OF THE 1st ONLINE MEETING

BOARD OF STUDIES OF INFORMATION TECHNOLOGY

DATE: 5th August, 2020, Wednesday   **Time:** 5:00 PM –7:00 PM

PLATFORM : GOOGLE MEET

Meeting Link: https://meet.google.com/uir-sway-qht

IN ATTENDANCE:

S.No	Name of the Expert	Designation	Capacity
1	Dr. C.Deisy, M.E., Ph.D.,	Professor, Department Information Technology, Thiagarajar College of Engineering, Madurai.	Anna University Nominee
2	Dr. A.Kandasamy, M.Sc., Ph.D.,	Professor Department of Mathematical and Computational Sciences, National Institute of Technology, Karnataka, Suratkal.	Academic Council nominated BoS Members
3	Dr. R.Rajesh, M.E., Ph.D.,	Associate Professor Department of Computer Science and Engineering Central University of Kerala, Kasaragod.	
4	Dr. K.Poyyamozhi, M.C.A., Ph.D.,	Principal Program Manager, Symantec, Chennai.	Industrialist

DEPARTMENT OF INFORMATION TECHNOLOGY
Minutes of Meeting –First Draft –BoS –5ᵗʰ August, 2020

5.	Er. B.Selvakumar. M.E., Ph.D (pursuing).,	Assistant Professor (Sr, Gr.)/CSE, Mepco Schlenk Engineering College, Sivakasi.	Alumni

FACULTY MEMBERS OF INFORMATION TECHNOLOGY - MEMBERS

S.No	Name of the Faculty	Designation
1	Dr. P. Subathra	Chairman / HoD- IT
2	Dr. E.Vakaimalar, M.E., Ph.D.,	UG Programme Co–ordinator
3	Dr. M.Chengathir Selvi, M.C.A.,M.Phil.,M.E., Ph.D.	Assistant Professor / IT
4	Ms. P.Antony Seba, M.E.,	Assistant Professor / IT
5	Ms. D.Kayathri Devi, M.E., Ph.D (pursuing).,	Assistant Professor / IT
6	Ms. R.Arthy, M.E., Ph.D (pursuing).,	Assistant Professor / IT
7	Mr. D.Vendhan, M.Sc (SE), M.Tech., Ph.D (pursuing).,	Assistant Professor / IT
8	Ms. P.Kaviya, M.Tech.,	Assistant Professor / IT
9	Ms. M.Kanimozhi, M.E.,	Assistant Professor / IT

(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI**)**
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF INFORMATION TECHNOLOGY
Minutes of Meeting –First Draft –BoS –5th August, 2020

SUBJECT EXPERTS

S.NO.	NAME OF THE FACULTY	DESIGNATION
1	Ms. V.Vijayalakshmi, M.C.A., M.E.,	Assistant Professor / SS
2	Ms. V.Deepa Priya, M.Sc., M.Phil.,M.E., Ph.D(pursuing).,	Assistant Professor / SS
3	Ms.. S.Athilakshmi, M.Sc., M.Phil.,M.E., Ph.D(pursuing).,	Assistant Professor / SS
4	Mr. P.Praveen Kumar, M.Sc., M.B.A.,M.Tech., Ph.D(pursuing).,	Assistant Professor / SS

THE MINUTES:

The meeting is called for considering the Undergraduate curriculum & syllabi.

DISCUSSIONS:

1. Mrs. D. Kayathri Devi, the Board of Studies in-charge of the welcomed the gathering.

2. Dr. E. Vakaimalar, UG coordinator of the department introduced the external members to the faculty.

3. Dr. P. Subathra presented the Overview of the Institution/Department, Courses offered in the institution, Student and Faculty strength and also about the growth and development of the Institution/Department.

4. Dr. P. Subathra discussed the Proceedings of 1st Academic Council Meeting held on 17th July 2020 to the experts.

   The highlights of the discussion were as follows:

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY

(**An Autonomous Institution** - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF INFORMATION TECHNOLOGY
Minutes of Meeting –First Draft –BoS –5th August, 2020

Recommendations from the Governing Body and Academic Council for Framing UG Curriculum:	1. Credit range: 165 –170 2. 20 –24 credit per Semester. 3. VIII Sem Project Work: 8 –10 credits 4. Online Course (Maximum 6 credits) 5. Audit Course (Mandatory non credit) 6. First semester is common for all Programme 7. First year credit range : 40 –42 8. Engineering Graphics to be in II Semester 9. Programme specific papers could be offered in II Sem. 10. AICTE & AU 2019 curriculum could be taken as base for framing curriculum. 11. III Sem Mathematics (Programme specific) Mandatory

5. Dr. P. Subathra presented the regulation of Undergraduate syllabi:

FIRST YEAR

a. Dr. P. Subathra, presented the proposed R2020 - First year curriculum, syllabus and curriculum framework for the Undergraduate (UG) program.

b. Two models of Semester II were presented and Dr. C. Deisy suggested to offer Problem Solving and Python Programming that would greatly help the students to face the interview.

c. Dr. K. Poyyamozhi suggested to offer Problem Solving and Python Programming with basic concepts so that the students can apply it in all over application.

d. Er. B. Selvakumar suggested giving Object Oriented Programming using Python.

e. Dr. C. Deisy suggested to offer the basic Python and earlier semester and Object Oriented Concepts with Python in later semesters

f. Dr. A. Kandasamy suggested including modern tools in the syllabus.

g. The syllabi for First semester Fundamentals of Computing and Programming Theory and Lab for all branches and the Second semester's Problem Solving and Python programming Theory and Lab for the IT was presented and the BoS members approved it.

DEPARTMENT OF INFORMATION TECHNOLOGY
Minutes of Meeting –First Draft –BoS –5ᵗʰ August, 2020

h. With all our Board of Studies Members' consent, Model-II for Semester-II was selected unanimously.

i. Dr. P. Subathra presented the proposed UG curriculum for the II, III and year. The board of study members recommended that most of the academic council recommendations could be adopted and gave suggestion on few aspects.

j. Students should complete two mandatory audit courses (non –credit) to become eligible for getting degree,

k. Over and above credit for internship/training, value added programs can be included.

Semester III

a. Dr. A. Kandasamy insisted that Fundamentals of Electrical and Electronics Engineering theory without lab will not be appropriate. The fundamentals should be included as theory. When model II in Semester II is to be offered then, Fundamentals of Electrical and Electronics Engineering will be missed out. Instead, he suggested in removing Discrete Mathematics from the core and in elective and to include Fundamentals of Electrical and Electronics Engineering theory in Semester III.

b. Dr. C. Deisy suggested offering Discrete Mathematics since it is needed for engineering and it is required as per Program Specific Outcome. Instead she recommended combining Analog and Digital Communication theory & Digital Principles and System Design theory. So that there will be a space to include program specific / new cutting edge domain subjects.

b. Dr. K. Poyyamozhi suggested offering Computer Organization and Architecture in Semester III and Data Structures in Semester IV so that the student will get a better understanding of the data getting stored, retrieved and processed

Semester IV

c. Dr. A. Kandasamy insisted to have Computer Organization and Architecture instead of Computer Architecture. In addition, he also suggested offering Computer Organization and Architecture in Semester III.

d. Dr. C. Deisy suggested to include Devops in Software Engineering syllabus and advanced database concepts like MongoDB, NoSQL in Database Management Systems syllabus.

DEPARTMENT OF INFORMATION TECHNOLOGY
Minutes of Meeting –First Draft –BoS –5th August, 2020

Semester V

e. Dr. C. Deisy suggested offering Internet of Things instead of Microprocessor and Microcontroller. She also suggested to offer Artificial Intelligence in higher semester. She suggested that the upper semesters can introduce vertical stack.

f. Mr. B. Selvakumar suggested offering Theory cum project instead of Mini Project.

g. Dr. K. Poyyamozhi guided to highlight all the mandatories in the curriculum.

h. Dr. A. Kandasamy insisted not to narrow down the courses towards Information Technology (IT). He insisted that as an engineer he/she should know the fundamentals of circuit courses. He also added that placement supporting courses can be included.

i. Dr. C. Deisy suggested offering Principles of Compiler Design and Theory of Computation subjects which will greatly help the students for GATE preparation.

Semester VI

c. Dr. C. Deisy suggested offering Mobile Communication as a separate course and frame a separate theory course for Mobile Application Development Lab which can be a Theory cum practical.

d. Dr. C. Deisy suggested introducing one week or two week courses in collaboration with industry. She also recommended to include courses related to security domain.

j. Dr. K. Poyyamozhi insisted the need of Mobile Application Development Lab and insisted to include latest UX design concepts in Web Technology course

Semester VII

1. Dr. C. Deisy suggested that Operational Research and Accounting courses can be included to bring up Entrepreneur Skills in Students.

2. Dr. A. Kandasamy insisted to make Engineering Management and Principles of Management courses as core papers.

e. Dr. K. Poyyamozhi clarified that the Software Project Management satisfies the Engineering Management and accounting domains. The members agreed with his explanation.

Semester VIII

1. Dr. C. Deisy suggested offering project alone in the semester VIII and making the credit of project as 10 credits.

2. Dr. A. Kanadasamy also recommended giving more credits to Project.

3. Dr. R. Rajesh suggested not to have online course during semester VIII which may result in the delay of the publishing of result. He also insisted that online courses can be provided for a course for which there is no faculty member to handle the course.

DEPARTMENT OF INFORMATION TECHNOLOGY
Minutes of Meeting –First Draft –BoS –5th August, 2020

He insisted on giving the online course as a non-mandate course for which the over and above credits can be included.

4. Dr. A. Kanadasamy suggested offering online courses but it should not be made compulsory. It can be used for credit transfer.

5. Dr. C. Deisy mentioned about guided study which can be provided to meritorious students.

Electives

Dr. R. Rajesh suggested offering elective courses as theory cum practical and other BoS members from academic stream reflected the same opinion.

Computer Organization and Architecture Domain

a. Dr. C. Deisy suggested including Edge Computing course under this domain.

b. Mr. B. Selvakumar insisted that Multicore Architecture, Parallel Architecture and Real Time Architecture will have common concepts and so care should be given while framing the syllabus with minimal overlaps.

Software Engineering Domain

c. Mr. B. Selvakumar recommended not to have Service Oriented Architecture under this domain.

Networks Domain

d. Dr. C. Deisy and Mr. B. Selvakumar insisted to remove Watermarking and Stegnography Techniques course instead Cloud Security can be included. They also insisted the Ethical Hacking and Cyber Security will have overlapping syllabus and so care should be taken in framing the syllabus. They also suggested that including Block Chain course under this domain is inappropriate.

Data Analytics Domain

a. Dr. C. Deisy suggested not to include Digital Image Processing under this domain. Instead Image Analytics can be included and Digital Image Processing will be prerequisite for this.

b. Mr. B. Selvakumar insisted to include Data Mining and Warehousing which is the fundamental for data analytics.

c. Dr. C. Deisy suggested offering Data Mining before Artificial Intelligence. She also suggested that Data Analytics for IoT can be included.

Software Development Domain

a. Mr. B. Selvakumar suggested combining Software Engineering and Software Development as a simple domain and offer the courses such that Elective I comprises of Software Engineering domain and Elective II & III comprises of Software Development courses. He also clarified that Advanced Python Programming will cover web development concepts.

DEPARTMENT OF INFORMATION TECHNOLOGY
Minutes of Meeting –First Draft –BoS –5th August, 2020

b. Dr. K. Poyyamozhi suggested offering Microsoft Office Programming under Software Development domain and Agile Methodologies under Software Engineering domain. He also insisted including Full Stack Development Framework instead of Scripting Paradigms.

c. Dr. C. Deisy suggested removing Information Retrieval and Web Search course since it will be already dealt in Data Analytics domain.

Humanities Domain

d. Mr. B. Selvakumar suggested not to have a separate domain as humanities since students prefer this course rather that program specific courses.

e. Dr. C. Deisy suggested to offer humanity related courses in semester VII as a core paper.

General Comments

a. Mr. B. Selvakumar suggested to have Cyber Security as a domain instead of Security.

b. Dr. K. Poyyamozhi suggested to present the vertical stack representation slide before presenting the curriculum

Date of next meeting: The next meeting will be held during the next even semester

Tentative Month – January 2021(Actual Date will be confirmed through mail communication before the month of December 2020)

Ms. M. Kanimozhi proposed the vote of thanks to all the external and internal experts and the meeting adjourned

Approved by:
1. Dr. P. Subathra M.E., Ph. D,   -   Chairman of the BoS
2. Dr. C.Deisy, M.E., Ph.D., ,   -   Anna University Nominee
3. Dr. A.Kandasamy, M.Sc., Ph.D.,   -   AC nominated BoS Members
4. Dr. R.Rajesh, M.E., Ph.D.,   -   AC nominated BoS Members
5. Dr. K.Poyyamozhi, M.C.A., Ph.D.,   -   Industrial Expert
6. Er. B.Selvakumar. M.E.,   -   Alumni