

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI

Department of Information Technology

B.Tech Information Technology

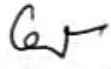
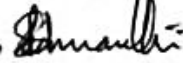
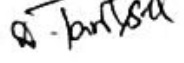
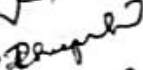


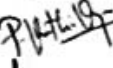
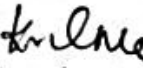

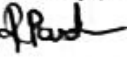
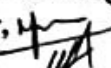


Meeting on Consolidated Curriculum Review based on Feedback from Stakeholders

Date 20.5.2022

Meeting Date & Time : 19.5.2022 & 2.15 to 3.30 PM

Meeting Venue: IT Seminar Hall

Members Present:

Dr.C.Deisy  Dr.S. Padmavathi,  Dr. D.Tamilselvi, 
 Dr.Jeyamala C.,  Dr.A.M Abirami,  Dr.S Sridevi, 
 Dr.P.Karthikeyan,  Dr.K.V.Uma,  Ms.S.Karthiga, 
 Ms.R.Parkavi,  Ms.S.Pudumalar,  Ms.S.Thiruchadai Pandeewari, 
 Ms.C.V.Nisha Angeline, Dr.S.I.Pankumar, 

Meeting Minutes

Stakeholders : Students, Course handling faculty, Alumni & Employer

Syllabus reviewed: B.Tech Information Technology 2018 curriculum

Based on the analysis of curriculum review feedback obtained from students, course handling faculty members, alumni and employers, the following points are considered for the review of the curriculum of the B.Tech IT from 2018 onwards and will be placed in the forthcoming Board of Studies on 2.12.2022

Action taken based on the feedback review for curriculum review:

New Scheduling of courses is proposed with the introduction of new courses and revisiting of content of existing courses. Detailed syllabi for the first semester is set according to the feedback received and courses subject to revision and major changes are given below:

No.	Stakeholder Suggestions	Semester*	Major Updates in Curriculum / syllabus
1	Student, Alumni: More Practical sessions shall be conducted in parallel with the theory	I	22IT160 PROBLEM SOLVING USING COMPUTERS is introduced as Theory Cum Practical Course and the Terminal Assessment is planned through practical components
		II	22IT260 WEB ESSENTIALS 22IT270 COMPUTER PROGRAMMING are introduced as 2 credit Theory Cum Practical Course and the Terminal Assessment is planned through practical components
		III	2IT360 SYSTEM ADMINISTRATION LAB is introduced in parallel to the theory course IT operations and management.
2	Faculty: Mathematical constructs of data analytics can be included	IV	22IT410 PROBABILITY AND STATISTICS - concepts on measures of dispersion, hypothesis testing included

3	Alumni: Advanced Database concepts can be included	IV	22IT440 DATABASE MANAGEMENT SYSTEMS : Concepts like MongoDB is added, and relational algebra is removed.
4	Student, Faculty: React, Pigma, MERN stack can be included instead of Angular JS	V	22IT550 WEB TECHNOLOGIES is introduced as Theory Cum Practical Course and the Terminal Assessment is planned through practical components. Angular JS and design patterns are replaced in React and MERN Stack concepts.
5	Students: Basics of Accounting concepts can be included	VI	22IT610: ENGINEERING ECONOMICS AND ACCOUNTING -basic concepts of economics and accounting are included.
6	Students, Alumni, Faculty: Advanced concepts like DevOps, Blockchain, Datascience, cybersecurity shall be added to the curriculum	III	22IT330-SOFTWARE ENGINEERING - concepts of Agile Software development and DevOps are added.
		VI	22IT680 DATA SCIENCE LAB is introduced to practice with real-time datasets and various data science tools
		Elective	22ITPC0 BLOCKCHAIN TECHNOLOGIES is introduced as an elective course
7	Alumni: Augmented Reality and Virtual Reality shall be introduced.	VII	22IT710 COGNITIVE SCIENCE is introduced covering concepts of AR/VR.
8	Alumni: Concepts of Dockers and containerization can be introduced.	Elective	22ITPF0 DISTRIBUTED APPLICATION DEVELOPMENT is introduced as an elective course with concepts of Design Patterns, Dockers, and Containerization.
9	Alumni: Traditional Storage system concepts may be removed .	II	18ITPY0 Storage Systems is removed and replaced the essential concepts in the course 22IT240 IT INFRASTRUCTURE MANAGEMENT
10	Student, Faculty: The content of Computer Organisation is heavy , can be reduced.	II	22IT230 COMPUTER ORGANISATION and 23IT250 Digital System design are introduced- balancing the content of Computer Organization

Other activities for Curriculum Enrichment:

- Introduction of TCE MOOC online courses.
- NPTEL Credit transfer and exemption of Elective course
- Industry supported courses
- To motivate content beyond curriculum and life long learning ,students are asked to complete online certifications offered by CDAC, IBM, edX as part of assignments.
- Students are asked to solve Hackathon problems, HackerRank challenges
- Contemporary technologies are addressed through guest lectures


BoS Coordinator


Program Coordinator


HoD

To be circulated among Faculty members