

KONGU ENGINEERING COLLEGE, PERUNDURAI - 638060, ERODE
(Autonomous)
Curriculum Feedback and Action Taken Report

Department: Information Technology

B.Tech.	S.No	Academic year of feedback	Stakeholder	Name, Designation & Affiliation	Feedback Received	Action taken	Year of implementation
	1	2015-16	Alumni	Vignesh Bhoopal Technology analyst Infosys	Internship to MNC can be encouraged	Encouraged One year Internship projects	2016
	2	2015-16	Student	2016 passed out student	Value Added Courses should be conducted on more advanced technologies like AI and ML Hacker rank to be introduced other than Value Added Courses, On-line courses, self-study course and audit course	Artificial Intelligence and machine learning theory and laboratory courses have been included as a core course in VI semester in R2018 Placement cell training department conduct all training cell employ online compilers like Hacker-rank, Hacker-earth,geeks-for-geeks for practicing and also introduced 3 credit open elective course named as Program skills and career skills laboratory	2018
	3	2015-16	Faculty	IT department Faculty	Implementing courses with practical component with industry needs we make our curriculum more robust in the face of on-going and future changes to the sector Participation of industry people / experts from outside for VAC should be encouraged	Integrated Practical components in industry based core and elective courses in R2018 Through collaborative work Value Added Courses offered by Industry experts	2018
	4	2015-16	Employer	Campus Recruiters	Computer science related departments should focus on building the coding and problem solving skill to candidates especially data structures and algorithms More practical training is needed in Microprocessor and Embedded systems,IoT Include microprocessor as part of curriculum	Included Data structures, and design and analysis of algorithms in R2018 Included IoT laboratory course in R2018 Included in 2018R	2018
	5	2016-17	Alumni	Vignesh Bhoopal Technology analyst Infosys	Few programming languages which are extensively used in industries can be accomdated	Introduced Python programming, Open source software and Mobile application development in curriculum	2017
	6	2016-17	Student	2017 passed out student	Flexibility to add or drop courses Slow learners can be combined with fast learners to make them to learn a topic and take seminar etc., Enhancement of Student exchange programme with IITs, other reputed institutions and also with foreign Universities	Introduced Mentoring system. A group has formed of size three that include both slow learner and fast learner and assign mentor for each group for monitoring their performance Implemented and encouraged students to participate in student exchange programme	2018 2018
	7	2016-17	Faculty	IT department Faculty	To further-improve the international dimensions of our curriculum we should have more tie-ups with foreign universities. Conduct more Induction Programme for fresher and bridge courses for lateral entry students Activity based learning and Making evaluation forms and supporting documents freely available to faculty so they understand what information will be considered legitimate and relevant in the evaluation of their teaching Question Paper Pattern(both for CA and ESE) should include objective type questions A Counseling procedure with good follow up action required for individual students. Course registration and faculty selection through online can be encouraged	Signed MoU with foreign universities Organise special classes for III semester courses for the lateral entry students. Course teacher can choose activity based learning methods which is suitable for the particular course Will take steps to introduce in forth coming years Implement mentoring system to follow the students performance Consider in forth coming years	2018

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8	2016-17	Employer	Campus Recruiters	Practical approach and problem solving skills should be improved	Included Program skill and career skill laboratory course in R2018 curriculum	2018
				Suggest to offer students training in real world technologies like Java, JavaScript, Jquery, PHP, etc., as the gap between academia and industry at kongu seems to be a bit more	Included Jquery, PHP, MongoDB etc., in Web technology syllabi and updated the course content of java and advanced java programming courses in R2018	
9	2017-18	Alumni	Ajay Krishna Team leader Pybal	The sequence of 3 rd and 4 th semester is good. But Data structure and algorithm analysis I & II may be combined and named as data structure and algorithms	Discussed and combined the courses, updated the course content. Included Data structures, and design and analysis of algorithms in R2018	2018
			Jayasim IOS developer	Algorithm and design strategy play a vital role in software development. So include design and analysis algorithm analysis as a separate course		
			R.Manikandan Technology analyst CISCO	Introduce stream courses from first year onwards	Introduced Program and linear data structure course in II semester	
10	2017-18	Student	2018 passedout student	Allow the final year student for internship	Permitted final year and prefinal year students for doing one year/six month internship in MNCs	2018
				Compiler design and Theory of computation courses may be included in curriculum	Introduced Python programming, Open source software and Mobile application development in curriculum	2018
11	2017-18	Faculty	IT department Faculty	Can reduce theory content give more important to programming and practical which really student wants	Integrated Practical components in industry based core and elective courses in R2018 and introduced tutorials for all type of courses	2018
				Developing entrepreneurship and innovation activities	Encourage consultancy projects	
				Minimum 2 integrated courses for each semester should be included	EMDC and TBI of our college prompt entrepreneurship related training	
				Motivate the students to do real time projects for improving the quality of Project Work at KEC	Integrated Practical components in industry based core and elective courses in R2018	
12	2017-18	Industry experts	R.Manikandan Technology analyst CISCO	Artificial intelligence, machine learning, Deep learning, Information storage concepts may be added in cloud computing	Included	2018
				Network protocol and its standards, software define network courses may be incorporated	Incorporated	
13	2017-18	Employer	Campus Recruiters	Candidates can be trained more on practical coding and English proficiency	Included Program skill and career skill laboratory and work place communication laboratory courses in R2018 curriculum	2018
				Overall confidence and discipline of the candidates were very good throughout the drive. They would like to learn more new things practically .So some real time guidance are expected to be improved.	Introduced real time case study experiments in laboratory courses and conducted seminar on emerging topics through IT association	
14	2018-19	Alumni	Priyanka Manickam Software Engineer Accenture	Create awareness among students about technologies used in industries like devops, Jenkins, tensor flow etc., include Angular JS and MongoDB in web technology course	Conducted guest lectures on emerging topics through IT association and updated the web technology course content	2019
			S.L.Sridhar HMI Senior software Developer, BCMW (Robert Bosch), Wuhu, China	Suggested the following emerging trends courses to be included in curriculum:	Included in R2018 as program core and elective course	2019
			Sathish Ramachandran IT Consultant	a. Python programming		
			D.Nijanathan Technical Analyst, Ideas2IT technologies	b. Big data analytics		
			Ajay Krishna Team leader Pybal	c. Cloud computing		
			Jayasim IOS developer	d. Machine learning		
				e. Functional programming		
				f. Compiler design		
				g. IoT		
				h. Artificial intelligence		
				i. FOSS		
				j. Distributed system		
				k. Agile technologies		
				l. Deep learning		
	m. Serverless web technologies					
	n. Block chain technology					

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15	2018-19	Student	2019 passed out student	Facility to change Professional Elective /Open Elective if the student failed or shortage of attendance in the previously registered Professional Elective /Open Elective courses is needed	Consider for new regulation	2019
				Encourage Co-curricular activities	Encourage and award best co-curricular student	
				The curriculum is good but it fails to make the student meet the industry expectation	Introduced latest emerging trend courses like AI&ML, Cloud computing, Bigdata analytics, deep learning, Software defined networking ,Cross platform application development etc., in R2018	
				More advanced technologies and concepts must be taught in the curriculum		
16	2018-19	Faculty	IT department Faculty	AI, ML, IOS App development as a new course		2019
				Attendance requirements for completion of a semester should be 75 or 80 percentage	Follow parent university norms	
				Introduce computer related applications as last unit in mathematical courses	Updated the syllabus content	
17	2018-19	Employer	Campus Recruiters	Add industry need subjects	Introduced latest emerging trend courses like AI&ML, Cloud computing, Bigdata analytics, deep learning, Software defined networking ,Cross platform application development etc., in R2018	2019
				Data structure and operating system knowledge need to be improved. Basic core subjects knowledge to be improved. Lack of skill in Linux	Included Data structures, and design and analysis of algorithms and incorporated free open software concepts in Networks laboratory in R2018	
18	2018-19	Parent	Parents meeting	Students can take online classes like UDEMY,geeksforgeeks.com	Placement cell training department conduct all training cell employ online compilers like Hacker-rank, Hacker-earth,geeks-for-geeks for practicing and also introduced 3 credit open elective course named as Program skills and career skills laboratory	2019
				Include placement and training classes in time table	Incorporated in time table	
19	2019-20	Alumni	P.Dhanapal Customer care Executive and TBSS	Syllabus can be changed as per demand, rather sticking to the old technologies.	Will include the courses based on industry demand	2020
				Include courses related to emerging trends like data analytics, cloud computing, cyber security		
				Include industry oriented case studies in laboratory course content and promote industry oriented projects	Introduced more last emerging trend courses like AI&ML, Cloud computing, Big data analytics, deep learning, Software defined networking ,Cross platform application development etc., and	
20	2019-20	Student	2020 passed out student	Practical based learning for improving the effectiveness of innovative teaching methodologies in the department	Integrated Practical components in industry based core and elective courses in R2018	2020
				Motivate self learning	Credit transfer system is implemented for NPTEL,MOOC and online courses	
21	2019-20	Faculty	IT department Faculty	Advanced Web technology concepts should be included	Updated the syllabus as per current trend in R2018	2020
				Include Cyber security related courses in elective list	Included ethical hacking and cyber forensics in R2018 curriculum	
				IOT course may be included as regular academic course	Included IOT theory and laboratory course included as Program core course list	
22	2019-20	Employer	Campus Recruiters	Lot more practical training need to be given	Placement cell training department conduct all training cell employ online compilers like Hacker-rank, Hacker-earth,geeks-for-geeks for practicing and also introduced 3 credit open elective course named as Program skills and career skills laboratory	2020
				Needs to improve logical reasoning ,verbal,creativity	Incorporated placement hours in time table from second year onwards	
				Practical exposure to theory concepts was lacking	Introduced Tutorial for all courses and incorporated gate type questions in CAT exam question paper to enhance the students basic technical knowledge	
23	2019-20	Parent	Parent meeting	Conduct more training classes	Implemented	2020


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25	2018-19	Alumni	Hariharan Rajagopal (14ITR031)	Communication and Dress code to be improved	Workplace communication is introduced as a practical course.	2020R
26	2018-19	Alumni	Naveen Rk (14ITR056)	Adapt to the real world scenarios, and needs!	Miniproject is introduced in VI semester. Students are encouraged to do this project as consultancy project.	
27	2018-19	Alumni	Kamini (14ITR037)	Make the student to understand and code the python concepts better Can teach different frameworks and also make them aware of emerging technology	Implemented	2020R
28	2018-19	Alumni	Monisha S (14ITR049)	Need more practical sessions Provide more hands on sessions	Theory with Integrated lab courses are introduced. More practical sessions are given through the department and placement cell.	2020R
29	2018-19	Employer	Symbiotic Infotech	Need Core fundamentals	Implemented	2020R
30	2019-20	Faculty	IT department Faculty	Need industry oriented subjects	Implemented	2020R
31	2019-20	Student	Nivedha.V (16ITR071)	1 credit is not sufficient for mini Project	2 credits are given for Mini project	2020R
32	2020-21	Alumni	Pavithra Dharshini C 16ITR0675	Courses on Cloud to be strengthened	Cloud computing course and lab is incorporated in the curriculum	2020R
33	2020-21	Employer	ESSDi Infotech Corporation	Candidates can be trained more on soft skills and practical coding	Included Professional skill training and work place communication laboratory courses in R2020 curriculum	2020R


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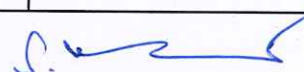
M.Tech (IT)						
S.No	Academic year of feedback	Stakeholder	Name, Designation & Affiliation	Feedback Received	Action taken	Year of implementation
1	2016-17	Alumni	G.Sreenidhi (14CNR009)	More emphasis have to be given on recent trends in IT	8 existing courses were removed and 9 new courses were added	2018
2	2016-17	Alumni	S.Preethi (14CNR003)	Data Structures theory and DBMS Laboratory contents needs to be well synchronized	The practical components are synchronized with theory and made as integrated course in Data Structures and Analysis of Algorithms instead of separate lab course	2018
3	2017-18	Teachers	Subject handling faculty	More emphasis have to be given on recent trends in IT	8 existing courses were removed and 8 new courses were added	2018
4	2017-18	Teachers	All	More practical components need to be included in 14MSE12 - Machine Learning Techniques	Changed as 4 credit course with integrated lab	2018
5	2017-18	Parent	R.Sengottuvelu , Father of S.Deepa (16IFR001)	Practical exposure needs to be improved	Many integrated courses are introduced with parallel practical components	2018
6	2017-18	Parent	P.Devagi, Mother of P.Sasirekha (16IFR003)	Recent IT trends need to be included in curriculum. Recent trends like machine learning, big data analytics need to be practically exposed	Recent trends are added in new courses. Machine learning and Big data analytics are modified with necessary components	2018
7	2017-18	Employer	M/S. Odessa technologies	Curriculum should be enriched with design orientation and behavioural competence	Design oriented contents are added in syllabus	2018
8	2017-18	Employer	M/S. Vuram Technologies	Practical exposure to theory concepts are lacking	Practical components are appropriately added in syllabus	2018
9	2017-18	Employer	Placement Season, PSG STEP, Coimbatore	Students need to improve their problem solving and coding skills	Programming concepts are given emphasis	2018
10	2017-18	Employer	Mr.Gerald, Aurum Info Solution	ME/Mtech students need to be updated with recent technologies	Outdated courses are removed and new courses are added	2018
11	2017-18	Student	Ms.Anusha Priya(18IFR001)	Internship needs to be allowed for PG students	Internship is allowed and included in curriculum in 3rd semester itself	2020
12	2017-18	Student	S.Deepa (16IFR001)	As mentioned in course committee meeting, students from non-IT background felt hard in studying some courses	Syllabus are modified in such a way that basic concepts are covered	2020


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M.Tech (ICW)						
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1	2016-17	Alumni	V.S.Venuprabha (14MIR016)	More emphasis have to be given on recent trends in IT	9 existing courses were removed and 8 new courses were added	2018
2	2016-17	Students	K.Aarthi (16MIR001)	Security Concepts need to be included in curriculum	Principles of secure coding, Cloud architectures and security and Multimedia Compression Techniques is included in 2018 Curriculum	2018
	2016-17	Parents	S.Ragunath, father of R.Archanadevi (15MIR001)	Include more courses that are placement oriented .	Machine Learning Technique and Big data analytics course are included as a Elective course in the 2018 curriculum	2018
3	2016-17	Teachers	Subject handling Faculty	Based on the faculty feed back, Advanced Database Technologies and Distributed operating Systems subjects are removed because the subjects not upto the level of PG students.	Advanced Database Technologies and Distributed operating Systems subjects are removed. Include the core subject of Computer Network Management in the 2018 curriculum.	2018
4	2017-18	Teachers	Subject handling Faculty	Based on the faculty feed back , Network Security Essentials is important for students and the syllabus of ethical hacking is to be modified.	Network Security Essentials is included in 2018 curriculum and ethical hacking Syllabus is modified in 2018 curriculum	2018
5	2017-18	Alumni	S.Sekar (15MIR006)	Advanced Database Technologies and Distributed operating Systems subjects are very difficult to understand the concepts.	Advanced Operating Systems Security is included as elective in the 2018 curriculum	2018
				Problem oriented subjects are more in first semester and more theory oriented subjects are in second semester	Information theory and coding subject is moved to second semester and Cyber law and security policies subject moved to first semester.	2018
6	2017-18	Parents	A.C.Palanisamy, father of P.Parameswari (15MIR004)	Include more industry oriented courses	A separate course called computing lab has been added in the 3rd semester by incorporating the contents of cloud and web technologies	2018
8	2017-18	Students	15MIR003 (V.Manju Barkavi)	Problems oriented subjects are more in first semester and more theory oriented subjects are in second semester	Information theory and coding subject is moved to second semester and Cyber law and security policies subject moved to first semester	2018
9	2017-18	Employer	M/S. Odessa technologies	Curriculum should be enriched with design orientation and behavioural competence	Design oriented contents are added in syllabus	2018
10	2017-18	Employer	M/S. Vuram Technologies	Practical exposure to theory concepts are lacking	Practical components are appropriately added in syllabus	2018
11	2017-18	Employer	Placement Season, PSG STEP, Coimbatore	Students need to improve their problem solving and coding skills	Programming concepts are given empahsis	2018
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