CRITERION 1 Curricular Aspects	1.4 Feedback System
1.4.2 The feedback system of the Institution	

DEPARTMENT WISE ACTION TAKEN REPORT ON FEEDBACK

S.NO.	NAME OF THE PROGRAMME
1	B. E. Agriculture Engineering
2	B. E. Biomedical Engineering
3	B.Tech. Bio Technology
4	B.Tech. Chemical Engineering
5	B.E. Civil Engineering
6	B.Tech. Computer Science and Business Systems
7	B.E. Computer Science and Engineering
8	B. E. Electronics and Communication Engineering
9	B.E. Electrical and Electronics Engineering
10	B.Tech. Information Technology
11	B.E. Mechanical Engineering

SETHU INSTITUTE OF TECHNOLOGY

DEPARTMENT OF AGRICULTURE ENGINEERING

Stakeholder's Feedback for R2019 Curriculum & Syllabus and its Action Taken

Stakeholder	Feedback	Feedback Analysis	Action Taken
EXTERNAL FACULTY			
Dr.R.Saravanan Associate Professor Center for Water Resource Anna University, Chennai	Agricultural Metrology and Crop Husbandry Laboratory.	He has suggested to introduce a laboratory to work out the fertilizer requirement for different crops and measurement in the course 19UAG308 Agricultural Metrology and Crop Husbandry Laboratory in Semester III.	Offered in Second Semester.
	Fundamentals of Engineering Mechanics	He has suggested to add Principal Moment of Inertia in Unit III for the course 19UAG303 Fundamentals of Engineering Mechanics in Semester III.	Principal Moment of Inertia was added in Unit III for the course 19UAG303Fundamentals of Engineering Mechanics in Semester III.
	Fluid Mechanics and Hydraulics in Semester	He proposed to rename 19UAG304 Fluid Mechanics and Hydraulics in Semester III as 19UAG304 Fluid Mechanics and Open Channel Hydraulics.	19UAG304 Fluid Mechanics and Hydraulics in Semester III was renamed as 19UAG304 Fluid Mechanics and Open Channel Hydraulics.
Dr.P.Dhananchezhiyan Assistant Professor Dept. of Farm Power & Machinery, Agricultural Engineering College,	Flywheel and Governor topics to be added	Suggested to include Mechanism for controls like flywheel and governor in Unit IV for the course 19UAG304 Fundamentals of Theory of Machines in Semester III	Content were added to the 19UAG304 Fundamentals of Theory of Machines.

Stakeholder	Feedback	Feedback Analysis	Action Taken
Tamil Nadu Agricultural University, Coimbatore			
Dr.S.Saravanan Associate Professor Innovation and Advanced Learning Vellore Institute Of Technology Vellore	Python course and python lab to be offered	Suggested to introduce the following new core courses 19UIT427 Object oriented Programing in Python and 19UIT428 Object oriented Programing Laboratory.	19UIT427 Object oriented Programing in Python and 19UIT428 Object oriented Programing Laboratory were offered in Semester IV.
INDUSTRY EXPERT			
Mr. R.Ravichandiran Regional Manager Rivulis Irrigation Pvt Ltd Coimbatore.	Summer Internship to be added to the curriculum.	He suggested including a course on Summer Internship to the curriculum.	The proposed suggestion was accepted and it is resolved to include 19UAG707 Summer Internship in semester VII.
INTERNAL FACULTY			
V.Dharmaraj Head of the Department	Mandatory courses to be included in the curriculum.	He has suggested to include the following mandatory courses to the curriculum, 1.19UGM322 - Biology for Engineering Applications. 2.19UGM431 - Gender Equality 3.19UGM636 - Indian Constitution and Essence of Indian Traditional Knowledge in Agriculture. 4.19UGM731 - Professional Ethics and Human values.	The following mandatory courses were included in the curriculum in the following semesters. 1.19UGM322- Biology for Engineering Applications in semester III. 2.19UGM431 - Gender Equality in Semester IV. 3.19UGM636 - Indian Constitution and Essence of Indian Traditional Knowledge in Agriculture in Semester VI 4.19UGM731 Professional Ethics and Human values in semester VII.

Stakeholder	Feedback	Feedback Analysis	Action Taken
Mr. M.Jothibass Assistant Professor	Seed Technology and Processing Equipments courses to be added.	He has suggested the inclusion of following courses Seed Technology and Design of Millets Processing Equipment	The following courses were added as 19UAG868 Seed Technology as one credit in semester VII. 19UAG909 Design of Food Processing Equipment as Professional Elective.

The above feedback is analyzed in the Program Assessment Committee and Department Advisory Board and suitable actions are initiated.

Board Chairperson

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DEPT.OF AGRICULTURE ENGG.
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SETHU INSTITUTE OF TECHNOLOGY

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PULLOOR-626005, KARIAPATTI

DEPARTMENT OF BIOMEDICAL ENGINEERING

Stakeholder's Feedback for R2019 Curriculum & Syllabus and its Action Taken

Stakeholder	Feedback	Feedback Analysis	Action Taken
International Faculty			
Dr.Mohamed Yacin Sikkandar, Associate Professor, Department of Medical Equipment Technology, CAMS	Suggested to rename the course 15UBM304 – Biomedical Instruments as 'Biomedical Instrumentation'	Biomedical instrumentation is engineering concerned with devices and mechanics used to measure, evaluate, and treat biological systems. It focuses on using multiple sensors to monitor the physiological characteristics of a human or an animal.	The course name can be changed in R2019 Curriculum.
	Suggested to introduce an one credit course Calibration and Testing of Medical Equipments	The accuracy of the device used in medical field is of prior importance. The need for calibration and testing of medical equipments is of much importance.	A course 'Calibration of Medical Equipments' proposed as one credit course.
	Suggested to include more design platforms such as PCB design, MIMICS etc.	PCB design and other design platforms are included in regular laboratory.	Shall be included as value added course.

Stakeholder	Feedback	Feedback Analysis	Action Taken
Mr.J. Charles Rajesh Kumar, M.E., M.B.A, (Ph.D.), Lecturer, Dept. of Electrical and Computer Engg., College of Engineering, EFFAT University, Jeddah, S.A.	Suggested to introduce a Course Biomaterials and Artificial Organs.	Biomedical engineers should have wholesome knowledge on biomaterials and artificial organs.	Proposed as a core course in the 7th semester.
	Suggested to include the topic 'Physiological System modeling'.	Physiological system modeling refers to the development of mathematical models that replicate the behavior of organs and systems.	An elective course 19UBM924 - Physiological Modeling is available.
	Suggested to include the topic 'Embedded systems in Medicine'.	Embedded medical systems consists of hardware and software customized for specific functions in medical devices. Embedded systems is an emerging technology which should be included in the curriculum.	An elective course - 15UBM917 Embedded Systems in Medicine is available.
	Suggested to include the topic 'Bio Fluid Dynamics'.	Biofluid dynamics is considered as the discipline of biomedical engineering in which the fundamental principles of fluid dynamics are used to explain the mechanisms of biological flows and their interrelationships with physiological processes, in health and in diseases/disorder.	An Inter disciplinary courses 19UGM952 - Biofluid Mechanics is available.

Stakeholder	Feedback	Feedback Analysis	Action Taken
Dr.S.P.Angeline Kirubha, Asst. Prof. (Selection Grade), Department of Biomedical Engineering, SRM Institute of Science and Technology, Kattankulathur, Kancheepuram Dist.	Suggested to introduce an one credit course 'Design of Basic Medical Equipments-Arduino base'	Courses on medical equipment are included in the curriculum.	Shall be included in the value added course.
	Suggested to introduce Biomechanics Lab./ Physiological Modeling Lab./ or any Simulink lab.	Designed to be a practical resource, the text includes guided experiments with simulation models using MATLAB and Simlulink.	Simulink or software related laboratory courses are available in the one credit and value added courses.
Faculty			
Dr. K. Kanimozhi	Suggested to introduce a Course Calibration of medical equipments.	The medical equipment/instrument used in hospitals for monitoring and treatment of patients also require calibration in order to have confidence in their functioning and operation.	Shall be introduced as One Credit Course.
	Suggested to include 'Medical ethics'	Medical ethics is an applied branch of ethics which analyzes the practice of clinical medicine and related scientific research.	Medical ethics shall be included in the course Professional ethics
Mr. N. Kinks Burk Sunil	Suggested to introduce a Course Regenerative medicine	Regenerative medicine may be defined as the process of replacing or regenerating human cells, tissues or organs to restore or establish normal function.	Shall be included in the elective course.
Mr. K Kalanidhi	Suggested to introduce a Course Smart healthcare Engineering	Smart healthcare is an emerging field with much scope.	Shall be included in the elective course

Stakeholder	Feedback	Feedback Analysis	Action Taken
		Student	
Parveen Sultanaa F	Introduce subjects such as 1. Dynamics of biofluid 2. Embedded system in medicine 3. Tissue engineering	Considering the suggestion, the subjects can be included in the curriculum	Shall be included in the elective course or core course.
M. Mohamed Razith Farik	Include LABVIEW in professional or elective course.	Labview tool is used to build automated test systems, fast. It will be considered while designing the curriculum.	It can be offered in Program Elective

The above feedback is analyzed in the Program Assessment Committee and Department Advisory Board and suitable actions are initiated.
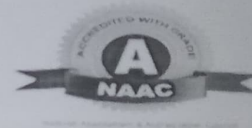
Chairman
Board of Studies

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(Recognized by UGC under section 2(f) & 12 (B) of UGC Act, 1956)
Pulloor, Kariapatti – 626115.
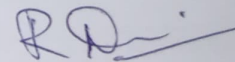Virudhunagar District, Tamil Nadu, India.

DEPARTMENT OF BIOTECHNOLOGY
Stakeholder's Feedback for R2019 Curriculum & Syllabus and its Action Taken

Stakeholder	Feedback	Feedback Analysis	Action Taken
International Faculty			
Mr.Sathya Moorthy Bhaskar Lead field Application Scientist, Nanyang Technological University, Singapore	Suggested to include Nanobiotechnology course	It was put forth that a course "Fundamentals of Nanotechnology" were included	It is offered as Elective course
Employer / Industry Person			
Dr. Renjith Paulose, Chief AI Scientist, Excelledia Digital Innovations Private limited, Ernakulam,Kerala,India	Suggested to include R-programming as Unit V in the Elective course and also coupled with practical session	Many of the courses are coupled with practical session	Artificial Intelligence in Biotechnology-19UBT801 were included as Professional Elective
Faculty			
Dr.V.Theresa , Mrs.P.K.S.Revathy Babu, Mr.S.Vishnuprasad	Immunology laboratory may be offered.	Can introduce various Immunotechniques to reflect the benefits in diagnostics .	It is offered as laboratory course.
Dr.V.Theresa Mr.S.Vishnuprasad	Mushroom cultivation course may be offered.	To keep pace with practical techniques and entrepreneur skills for industrial application.	It is offered as value added course
Peer Faculty			
Dr.V.C Padmanaban Assistant Professor Dept of Bio-Engineering, National Institute of Technology, Agartala	Courses focused on "Bioremediation" may be offered	To understand more details of microbial action in sewage treatment	It is offered as professional elective in VIth Semester.

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Stakeholder	Feedback	Feedback Analysis	Action Taken
Student			
S.Nandhini	Pharmaceutical Technology course may be offered.	By considering that pharma-technology, will be helpful for them to work in Pharma Industry.	Biopharmaceutical Technology is offered as Professional Elective course.
Nandhini.Murugesh	Stem cell technology Course may be offered.	By considering the importance of stem cells in health care sector	Stem cell technology in Health care is offered in Professional Elective Course.
Sujitha.S	Infectious diseases courses may be offered.	By considering molecular research, helpful for them to do Therapeutic research	Molecular Pathogenesis of Infectious diseases is offered as elective course.
Shyam Sundar	Plant design courses may be offered.	By considering that plant design of various on-shore and offshore oil and gas industry	Process Economics and plant design is offered in Elective course.

The above feedback is analyzed in the Program Assessment Committee and Department Advisory Board and suitable actions are initiated.

Board Chairperson

Chairperson
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Biotechnology
Sethu Institute of Technology
Kariapatti - 626 115

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SETHU INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CHEMICAL ENGINEERING

Stakeholder's Feedback for R2019 Curriculum & Syllabus and its Action Taken

Stakeholder	Feedback	Feedback Analysis	Action Taken
International Faculty			
Mr.C.Marimuthu Lecturer,Chemical Engineering University of Technology and Applied Science,Higher College Of Technology,Muscat.	Course will be added in the Elective.	Computer aided design course can be introduced in the curriculum. Elective will be added.	It is offered in VI & VII Semester.
Employer / Industry Person			
Mr.E.S.Vivek Plant Manager The Kerala Minerals and Metals Ltd. Kollam	Theory Courses can be coupled with practical to make students more understandable on courses. Case studies can be provided to them for assessment.	Many of the courses are integrated with practical courses in R2019.More importance will be given to case studies type of problems.	Integrated courses added at syllabus at R2019. It is offered in III, IV & VI Semester.
Faculty			
Dr.S.Vinodha, Mr.S.Nagul Dev, Mr.G.Selva Dhamodharan	Design course may be offered.	Can Introduce Chemical product Design to reflect the changing industrial needs.	It is offered in VI Semester.

Stakeholder	Feedback	Feedback Analysis	Action Taken
Dr.S.Vinodha, Mr.Aruljayan	Industrial Pollution Engineering course may be offered.	To keep pace with advanced techniques for industrial application.	It is offered in VII Semester
Peer Faculty			
Dr.M.Arul Mozhi (Anna University Nominee) Professor & Head Dept of Petrochemical Technology,University College of Engineering, BIT Campus, Trichy-620024	Courses focused on "Computational Laboratory" may be offered.	Maintain good Infrastructure and lab facility for the forthcoming Computational Laboratory Course in VI & VII Semester.	It is offered in VI Semester.
Alumni			
Mr.Amuthan Trainee Associate, Global Calcium, Hosur.	Aspen Hysis may be offered.	Softwares course are already come under lab courses and Integrated Courses.	It is offered as one credit Industry designed course.
Student			
Syed oli.M	Pharmaceutical Technology course may be offered.	By considering the pharma tech helpful to Pharma Industry.	It is offered in Professional Elective courses.
	Corrosion Engineering course may be offered.	By considering the Corrosion helpful to process Industry.	It is offered in Open Elective Courses.

Stakeholder	Feedback	Feedback Analysis	Action Taken
Subashini.M	Polymer Technology Course may be offered.	By considering the polymer helpful to polymer Industry.	It is offered in Professional Elective Courses.
Krishnaveni.P	Piping design courses may be offered.	By considering the piping design helpful to Refinery Industry.	It is offered in value added course.
Karthick.M	Plant design management courses may be offered.	By considering the plant design on-shore and offshore oil and gas industry	It is offered in Elective courses in R2019.
Keerthana.K	Quality Analysis based Instrumentation courses may be offered.	By considering the quality helpful to obtain maximum output from the industry with the minimum usage of raw materials, time, energy, manpower, etc.	It is offered in Professional Elective Courses.

The above feedback is analyzed in the Program Assessment Committee and Department Advisory Board and suitable actions are initiated.

Board Chairperson

HEAD
DEPT. OF CHEMICAL ENGG.
SETHU INSTITUTE OF TECHNOLOGY
PULLOOR, KARIAPATTI - 626 115.

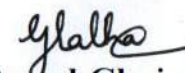# SETHU INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Stakeholder's Feedback for R2019 Curriculum & Syllabus and its Action Taken

Stakeholder	Feedback	Feedback Analysis	Action Taken
Employer / Industry Person			
Mr.Sarankumar / Employer	Practicaloriented method of teaching &more Industry interaction may be provided.	Will be arranged for more industrial visits to construction sites ,Guest lecture, Field visit, Technical meets and webinars will be arranged	Paver block manufacturing as per IS Code is offered as industrial designed course
Faculty			
Dr.P.kathirvel Professor ,Civil Engineering, K.L.N ,CIT	Suggested to split the course "Highway and Railway Engineering" and give two more core courses in Transportation Engineering.	Students need to learn highway and railway subjects separately to get proper understanding of concepts which is essential for their career.	It is offered in IVth semester

Stakeholder	Feedback	Feedback Analysis	Action Taken
Ms. P.Sasirekha Mr.C.udhayan Mr.S.vigneshBharathi	Some topics in "Water Resources and Irrigation Engineering"&"Air Pollution Management" may be modified.	Existing syllabus for these courses does not cover some important topic, which is frequently asked in various competitive exams.	Some topics in canal irrigation deleted in fourth unit of "Water Resources and Irrigation Engineering" and included some other important topics based on NITT syllabus. Removed some topics in first unit of "Air Pollution Management" and also to modified entire fifth unit based on VIT syllabus and CPCB guidelines.
Alumni			
Mr.MohammedAsif.K	ANSYS software may be offered.	To get better understanding of Finite element method of analysis, it is decided to utilize Ansys software.	Finite element method is offered in program elective.
Ms.Sugipriya.G	Non-destructive testing field practice classes may be conducted.	Field testing of Nondestructive testing experiments will be carried out by using various equipments like Rebound Hammer,UPV test etc..	Concrete technology is offered as integrated program core course.
Student			

Stakeholder	Feedback	Feedback Analysis	Action Taken
Ms. AbiramaSundarai	Modern survey techniques may be added.	It is decided to add "GPS, GIS, photogrammetry survey and Total Station" in surveying	It is offered in 3rd semester.
Mr. Arul Prakash	Drone surveying & mapping may be introduced.	It is possible to carry out topographic surveys of the same quality as the highly accurate measurements collected by traditional methods	It is offered as one credit course.

The above feedback is analyzed in the Program Assessment Committee and Department Advisory Board and suitable actions are initiated.

Board Chairperson

Chairperson
Board of Studies
Civil Engineering
Sethu Institute of Technology
Kariapatti - 626 115

SETHU INSTITUTE OF TECHNOLOGY

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PULLOOR, KARIAPATTI – 626 115

DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

Curriculum Feedback Analysis Report

Stakeholder's Feedback for R2019 Curriculum & Syllabus and its Action Taken

S.No.	STAKE HOLDER	NAME OF THE STAKE HOLDER	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
1.	Employer	S.K.Karthikumar, Talent Factori Pvt Ltd, Chennai.	Suggested to include front end Technologies for better programming.	Frond end technologies can provide knowledge and skills about programming.	Suggestions were accepted and planned to include in the Curriculum.
2.	Student	R.Dinasubharathi II Year CSBS Sethu Institute of Technology, Kariapatti.	Suggested to add Conversational System in Elective.	Conversational Systems are intelligent machines that can understand language.	Suggestions were accepted and it can be added in Elective.
3.	Internal Faculty member	Mrs.P.Suganthi Assistant Professor(Sr.G) Depaetment of CSBS Sethu Institute of Technology, Kariapatti.	Suggested to include subjects related to industry supported programming and Management.	Industry supported programming will improve the knowledge in industry environment.	Suggestions were accepted and the Industry supported course will be added as one credit and management subject can be added.

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S.No.	STAKE HOLDER	NAME OF THE STAKE HOLDER	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
4.	Internal Faculty member	Mrs.PL.Prabha Assistant Professor, Depaetment of CSBS Sethu Institute of Technology, Kariapatti.	Subject can be removed from curriculum.	Computer Organization Architecture plays a major role in computer environment. So the students should study the subject.	Computer Organization Architecture is included in GATE Exam hence subject cannot be removed.
5.	External Faculty member	Dr.A.Ramachandran Assistant Professor University College of Engineering Panruti Campus.	Suggested to add one or two subjects related to Business.	These subjects will improve the knowledge about business strategy.	Suggestions were accepted and it may be included.

N. Baji

Chairperson

Board of Studies

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Board of Studies
Computer Science & Engineering
Sethu Institute of Technology
Kariapatti - 626 115

SETHU INSTITUTE OF TECHNOLOGY
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PULLOOR, KARIAPATTI – 626 115
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Curriculum Feedback Analysis Report
Stakeholder's Feedback for R2019 Curriculum & Syllabus and its Action Taken

S.No.	STAKE HOLDER	NAME OF THE STAKE HOLDER	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
1.	Employer	S.P.Ananda Kumar , Director, EMFIOS Technologies Pvt.Ltd. Madurai	• Suggested to include Cyber security course	• Cyber security Course can provide knowledge and skills to secure the organization's data and reduce potential cyber attack threats. And many Industries are on the lookout for cyber security experts.	• Decided to include Cyber security as a Professional Elective course
2.	Alumni	T.G.NagaBalaji, Technical Staff, Zoho Corporation, Kancheepuram	• Suggested to include the advanced concepts in database concepts syllabus. • Change Mobile applications Design and Development course as an integrated course.	• Advanced databases concepts like are Web databases , Distributed databases, Parallel Databases are needed for industries • Students need More Practical exposure for developing applications.	• Advanced database concepts are included in the course "19UCS404 - Database System Concepts". • The course,"19UCS503-Mobile applications Design and Development"is offered as an integrated course.

S.No.	STAKE HOLDER	NAME OF THE STAKE HOLDER	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
3.	Faculty member	Dr.K.Sundarakantham Professor, Department of CSE, Thiagarajar College of Engineering, Madurai.	• Suggested to include Parallel Processor concepts in computer organization.	• As per AICTE model curriculum Parallel processing concepts are essential for recent trends.	• Parallel Processor conceptis included in the course "19UCS306-Computer Organization".
4.	Faculty member	Dr. R.Kannigadevi, Associate Professor, Department of CSE, Kalasalingam University, KrishnanKovil.	• Suggested to include basic concepts of cryptography in the course computer communication and networks.	• Basic concepts of cryptography is essential for understanding communication networks	• Basic concepts of Cryptography is included in the course "19UCS404-Computer communication and networks".
5.	Internal Faculty member	Mrs.G.VairaSuganthi, Assistant Professor(Sr.G) Depaetment of CSE Sethu Institute of Technology, Kariapatti.	• Suggested to include 4NF and 5NF concepts in database concepts.	• Now the Industries are expected for 4NF and 5NF concepts .	• 4NF and 5NF concepts are included in the course "19UCS404-Database System concepts".
6.	Internal Faculty member	Dr.M.Parvathy, Professor Depaetment of CSE Sethu Institute of Technology, Kariapatti.	• Suggested to include Graph Algorithms, Advanced algorithms in Advanced Data Stuctures and Algorithms	• Graph Algorithms and Advanced algorithms are applied in real life applications. It is decided to include in the Advanced Data Structures and Algorithms.	• It is included in Advanced Data Stuctures and Algorithms in I semester.
7.	Internal Faculty member	Mrs.S.Gospeline Christiana, Assistant professor, Depaetment of CSE Sethu Institute of Technology, Kariapatti.	• Suggested to include Feature Extraction, Texture Pattern in Image Processing and Analysis	• Feature Extraction and Texture Pattern are very important for transforming raw data into processed data which helps to do the projects in all Engineering and Medical field.	• It is included in the Image Processing and Analysis in II semester.

S.No.	STAKE HOLDER	NAME OF THE STAKE HOLDER	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
8.	Student Member	Mr. R.Faihan Ali, IV Year CSE, Sethu Institute of Technology, Kariapatti.	• Suggested to include sorting techniques in data structures syllabus.	• The sorting techniques are more essential for data structures.	• Sorting techniques are included in the course "19UCS302-Data Structures" syllabus.

The above feedback is analyzed in the Program Assessment Committee and Department Advisory Board and suitable actions are initiated.

Board Chairperson

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Board of Studies
Computer Science & Engineering
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Kariapatti - 626 115

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SETHU INSTITUTE OF TECHNOLOGY
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
B.E.ECE accredited by NBA, New Delhi under Washington Accord (Tier-I)

Stakeholder's Feedback for R2019 Curriculum & Syllabus and its Action Taken

S.No	Stakeholder	Name	Feeback	Feedback Analysis	ActionTaken
1.	Alumni(2001-2005)	Dr.S.Senthil Kumar, Wing Commander, Indian Air Force	Suggested to include Artificial intelligence and Machine learning	To improve the Practical Knowledge and Employability Artificial Intelligence and Robotics Offered as Program Elective	Image processing and machine learning Included as professional core Artificial Intelligence included as program Elective in R2019
2.	Alumni(2001-2005)	J.Fidel Castro, Assistant system engineer TCS.	Suggested to include Block Chain and 5G Technology	It is necessary to face Government and other Competitive Examinations. So, it is decided to offer the course	Included as program electiveinR2019
3.	Alumni(2015-19)	Dr.R.Murugan R, Assistant Professor–ECE, National Institute of Technology Silchar, Assam	Suggested to include Artificial intelligence and IoT	By considering the Placement, it is decided to offer as program elective and as program core	Artificial intelligence is Included as program elective and IoT is Included as core course in R2019
4.	Student Batch (2017-21)	S.K.Gayathri	Suggested to include Machine Learning	To improve the Practical Knowledge and Employability Machine Learning Offered as Program core	Offered as Core course in R2019.
5.	Student Batch (2017-21)	M.Durga Devi	Suggested to include IoT	By considering the Placement, it is decided to offer as program core	Offered as program core Course in R2019
6.	Student Batch (2017-21)	Surya Prakash	Suggested to include Artificial Intelligence and Robotics	To improve the Practical Knowledge and Employability Artificial Intelligence and Robotics Offered as Program Elective	Offered as Program Elective Courses in R2019
7.	Student Batch (2017-21)	S.Sathishkumar	Suggested to include Image Processing Laboratory.	To improve the project based Knowledge and Employability Image Processing Laboratory Offered as LabCourse	Offered as a program core Lab Course in R2019.
8.	Industry Expert	Mr.R.Sathyanath Managing Director,	Suggested to include Internet of Things	By considering the Placement, it is decided to offer as Program core	Offered as Program core in R2019

		Amogaa products Private limited, Madurai			
9.	Industry Expert	Dr.Kunal Deep TORC-Taj Orthopaedic Research Centre	Suggested to include Telemedicine	Students need advanced techniques. So Telemedicine offered	Included as Industry Designed course in R2019
10.	Faculty	Dr.M.Sheik Dawood	Suggested to include Creative thinking and Innovation	Creative thinking and Innovation is the essential skills for the students to survive in work place	It will be offered as laboratory course in R2019
11.	Faculty	Dr.K.A.Shahul Hameed	Suggested to include Smart sensor Networks	To improve the Practical Knowledge and Employability Smart sensor Networks offered as professional elective	It will be offered as professional elective in R2019
12.	Faculty	Mrs.G.Ramupriya	Suggested to include Cyber Physical Systems	Students need advanced techniques. So Cyber Physical Systems offered as professional elective	It will be offered as professional elective in R2019
13.	Faculty	Mrs.N.Kaniamudham	Suggested to include Sensors for IoT	By considering the Placement, it is decided to offer as program core.	It will be offered as Professional elective in R2019
14.	Faculty	Mr.A.Nagaraj	Suggested to include Robotics	Students need more Project based Courses to improve the Practical Knowledge and Employability. So Robotics offered as professional elective.	It will be offered as professional elective in R2019
15.	External Faculty	P.G.Akila, Assistant Professor, PSNA, Dindigul	Suggested to include 5G Technology	By considering the Placement, it is decided to offer 5G Technology offered as professional elective	It will be offered as professional elective in R2019

The above feedback is analyzed in the Program Assessment Committee and Department Advisory Board and suitable actions are initiated.
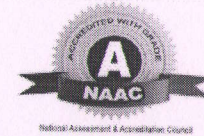
Board Chairperson

Head Of The Department,
Electronics & Communication
Sethu Institute Of Technology,
Kariapatti-626 115.

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SETHU INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Stakeholder's Feedback for R2019 Curriculum & Syllabus and its Action Taken

Stakeholder	Feedback	Feedback Analysis	Action Taken
International Faculty			
Mr. S. Deivasigamani Senior Lecturer, Department of Electrical and Computer Engineering, AIMST University, Malaysia	Course "Engineers and Society" may be added	It is the responsibility of an Engineer to satisfy the Societal needs without compromising laws and standards framed by our Indian Constitution. AICTE is also suggested to include "Indian Constitution" Course in Professional Courses.	The course "Indian Constitution" in R2019 Curriculum.
Employer / Industry Person			
Dr. P. Sivaseetharaman Analog Engineer / Advanced Helicopter Electromagnetics Lab, Arizona State University	The project work can be given two semesters time.	Students need more Project based Courses to improve Practical Knowledge and Employability. Integrated Courses are also included to improve the Practical exposure. But, students are motivated to do real time projects if the separate Project courses are offered with Credits.	It is offered as Technical Project and Product Development in VI semester and Project Work in VIII semester

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Stakeholder	Feedback	Feedback Analysis	Action Taken
Faculty			
Mr. M. Ramuvel Mr. K. Maheshkumar Mrs. S. Rohini Mr. M. Muhammed Alaudeen Ashiq Mrs. K. Elavarasi Mr. R. Mohammed Abdullah Dr. J. Bastin SolaiNazaran	IoT may be offered	Internet of Things is the emerging concept in today's scenario. It may be offered in Program Elective. If it is offered in Program Elective, students may miss to study that Course. So, it is essential to offer the course "IoT" in core courses.	It is offered as "IoT for Electrical Automation" in V semester.
Dr. R.M. Sasiraja Mrs. J. Jeyashanthi Mr. S. Sugumar	Python Programming may be offered	Python Programming is essential in Machine Learning, AI and other advanced concepts. It is decided to offer Python Programming instead of C Programming in first semester.	It is offered in First semester
Dr. R.M. Sasiraja Mrs. P. Meenalochini	VLSI Design with Verilog HDL may be offered	In the course "Principle of Digital Electronics" Verilog HDL is offered as one Unit for improving the programming concepts in Digital Design. If the student is more curious to study VLSI Design other than the programming concepts, he/she may opt "Analog and Mixed Mode VLSI Design" from Program Elective.	Analog and Mixed Mode VLSI Design is offered in Program Elective.

Stakeholder	Feedback	Feedback Analysis	Action Taken
Mrs. J. Jeyashanthi Mrs. K. Elavarasi	1. Artificial Intelligence 2. Human Physiology with AI may be added	Artificial Intelligence and Human Physiology will offered as Open Elective by other Programs such as Computer Science and Engineering and Biomedical Engineering respectively. If such courses are offered by the EEE board, the other important Core courses and Program Elective courses may be replaced. Machine Learning is the basic for such courses. So, Machine Learning may be offered.	Machine Learning course is as Program Elective
Dr. A. Marikannan Mr. R. Mohammed Abdullah	Special Electrical Machines Lab may be added	Experiments related to Special Electrical Machines are already available in Electric Drives and Control Lab.	It is offered in Electric Drives and Control Lab.
Mr. M. Muhammed Alaudeen Ashiq Ms. C. Sonia Mrs. V.S. Chitra	Electrical Softwares (REVIT), System Identification may be added	More softwares are already come under various lab courses and Integrated Courses. If it is offered in Core, it may overload the students. REVIT is Employability Enhanced course, so, it can be offered as separate Value Added Course.	It will be offered as Value Added Course based on the students' request.
Dr. A. Marikannan	Matlab programming and Multisim based simulations may be offered	Experiments related to Matlab programming and Multisim based simulations are already available in Analog Electronics Lab, Electric	It is offered in Laboratory courses

Stakeholder	Feedback	Feedback Analysis	Action Taken
		Drives and Control Lab and Power System Simulation Lab.	
Dr. M. Abdul Kareem	Probability and Statistics may be offered	AICTE is also suggested to include "Probability and Statistics" in core Courses. If it is offered as separate course, it has to be offered only in fourth semester with separate credits which affects the total Credits. So, this topic may be combined with other Mathematics Course.	It is offered as "Probability, Statistics, Complex Analysis and Numerical Methods" in Third Semester.
Ms. C. Sonia Mr. C. Immanuvel	Data Structures, OOPS, C, C++ may be offered	By considering the advanced concepts in Programming, Python Programming is offered in first semester instead of C Programming. So, it is discussed with the students for introducing the course "Data Structure and C" and they also suggested to include that Course.	It is offered as "Data Structure using C" in Fourth Semester.
Mr. V. Kannan	Electric Hybrid Vehicle may be offered	As per the TIFAC core "Technology Vision 2035" in the R&D platform, Electric Hybrid Vehicle plays a vital role in Automobile Industry and it is essential for an Electrical Engineer to know about the Electric Vehicle.	It is offered in Seventh Semester

Stakeholder	Feedback	Feedback Analysis	Action Taken
Student			
Sasikumar S Samuel Nelson N Rama Priya R Saravanan I Dhivya Meena M	C Programming may be offered	By considering the Placement, it is decided to offer "Data Structure using C" in core.	It is offered in Fourth Semester
Venkatesh M Surendran D	Electrical Estimation may be included	Energy Audit Course is already offered in Program Elective. Electrical Estimation topic may be added in that course.	It is offered in Program Elective
Surendran D Ratheesh Kumar P Saravanan I Dhivya Meena M	1.Advanced Microprocessor and Microcontroller 2. Arduino Programming, board operation and Construction may be offered	In Microprocessor and Microcontroller Programming, basic 8085 and 8051 concepts are necessary to face Government and other Competitive Examinations. So, it is decided to offer the course "Advanced Microprocessor and Microcontroller" in Elective.	It is offered as "Advanced Microprocessor and Microcontroller" in Program Elective.
Sathish A Rajeshwaran K	Industrial Automation may be offered	PLC and SCADA is already offered in Program Elective	It is offered as Program Elective
Sathish A Deepak B	Python Programming may be included	Python Programming is essential in Machine Learning, AI and other advanced concepts. It is decided to offer Python Programming instead of C Programming in first semester.	It is offered in First semester

Stakeholder	Feedback	Feedback Analysis	Action Taken
Peer Faculty			
Dr. A. Radhika Assistant Professor / Velammal College of Engineering and Technology, Madurai	Courses focused on "Renewable Energy Sources" may be offered	Non-Conventional Energy Resources are already offered in R2015. Due to the introduction of new courses in core, it is decided to offer "Solar and Wind Energy System" in Program Elective. For improving the Practical Knowledge, Renewable Energy lab may be offered with 1 Credit.	It is as Solar and Wind Energy Systems in Program Elective. Renewable Energy Lab is offered in VII Semester.
Alumni			
M. Ashok Kumar	C Programming may be offered	By considering the Placement, it is decided to offer "Data Structure using C" in core.	It is offered in Fourth Semester
S. Ashok	PLC, SCADA may be offered	It is already offered in Program Elective.	It is offered as Program Elective.
Amsath Sahil	REVIT MEP, PRIMAVERA may be offered	More softwares are already come under various lab courses and Integrated Courses. If it is offered in Core, it may overload the students. REVIT is Employability Enhanced course, so, it can be offered as separate Value Added Course.	It will be offered as Value Added Course based on the students' request.

Stakeholder	Feedback	Feedback Analysis	Action Taken
Shanmuga Priya V	Electric Hybrid Vehicles may be offered	As per the TIFAC core "Technology Vision 2035" in the R&D platform, Electric Hybrid Vehicle plays a vital role in Automobile Industry and it is essential for an Electrical Engineer to know about the Electric Vehicle.	It is offered in Seventh Semester
Mohamed Javid Nazeer S	Critical Thinking and Problem Solving Techniques may be included	Critical thinking and Problem Solving Techniques are the crucial skills for the students to survive successfully in work place.	It is offered as "Creative Thinking and Innovation" in Fifth Semester
Balaji M	Product Development lab may be included	Students need more Project based Courses to improve the Practical Knowledge and Employability. Integrated Courses are also included to improve the Practical exposure. But, students are motivated to do real time projects if the separate Project courses are offered with Credits.	It is offered as Technical Project and Product Development in VI semester and Project Work in VIII semester

The above feedback is analyzed in the Program Assessment Committee and Department Advisory Board and suitable actions are initiated.

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Stakeholder's Feedback for R2019 Curriculum & Syllabus and it's Action Taken

S.No	Stake Holder	Name of the Subject	Suggestions	Feedback Analysis	Action Taken
1	B.Sneha Priya, Programmer, Solartis,Madurai **Employer**	19UIT502 – Cyber Security Essentials	Suggested to include Home Land security in cyber crime concept	It is discussed in PAC and concluded that Home land security is an essential concept in cyber crime and every student must have knowledge in the concept.	Suggestions were accepted and the content is included in the syllabus
2	Mr.Vinoth Thiruvalluvan, Application Development Lead, Accenture,Chennai **Industry Expert**	19UIT601- Java Programming	Suggested to include string handling in the syllabus	In JAVA, String handling is an important topic and the students must have depth knowledge .So	String handling is included as unit-5 in the syllabus.

			,the suggestion is analyzed in PAC meeting .	
3	Mr.Charles Rajendran, CEO, Innodha Technology Pvt.Ltd., Madurai **Industry Expert**	19UIT602-Artificial Intelligence	Suggested to include game search algorithms in syllabus	To work in real time applications of AI, students must have this knowledge. Therefore, it is discussed in PAC meeting upon the consideration of suggestion given by the expert.	Game search algorithm has been included in the syllabus
4	Mr.Balamurugan Srinivasan, Developer, Vuram Technology Solution,Chennai **Alumni**	19UIT509-Microprocessor based system design Laboratory	Suggested to give laboratory course for Microprocessor	It is discussed in PAC meeting and decided that practical course will be useful for the students to gain in depth knowledge in the subject.	It is accepted and included in the syllabus
5	Dr.P.KArthikeyan, Associate Professor,IT, Thiyagarajar College of	19UIT306-Software engineering methodology	Suggested to include the topics of agile software development and its principle	It is discussed and analyzed in PAC that it is mandatory to have knowledge	As per the decision in PAC, it is accepted and included in the syllabus

				about agile methodology	
6	Mrs.G.Rajalakshmi, Assistant Profesor,IT **Faculty**	19UIT503-Mining and Analysis of Big data	Suggested to include HBASE topic	Discussion is carried out in PAC that HBASE is essential for the students to gain more knowledge on database connectivity	It is accepted and included in the syllabus
7	Keerthana.P **Student**	19UIT608- Artificial Intelligence Laboratory	Suggested to include mini project work for the students	The suggestion has been discussed in PAC meeting and decided to include mini project work	It is accepted and mini project is included in laboratory syllabus

The above feedback is analyzed in the Program Assessment committee and Department Advisory Board and suitable actions are initiated

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SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

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DEPARTMENT OF MECHANICAL ENGINEERING

(Reaccredited by NBA, New Delhi)

Action taken report - Stakeholders Feedback 2020

The Board analyzed the stake holder's feedback regarding curriculum and syllabi under 2019 regulation

S.No	STAKE HOLDER	NAME	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
1.	International Faculty	Dr. G. Sivakumar Ph.D., Faculty in Mechanical Engineering University of Technology and Applied Sciences, Ibra Sultanate of Oman	**Manufacturing Technology** • The following topics shall be included to meet the industrial needs. • **In Module V**: Maintenance of various machines in general and lathe machine in detail need to be added. This shall be added in the last module. • Theory portion related to CNC machines and codes shall be added to enhance CNC practical exercises.	• Maintenance and safety procedure of lathe machine tool, Cutting Fluids and Study of CNC machine and G code and M code, Simulation of simple lathe operation using CNC software this topics are to meet industrial needs.	• The topic "Maintenance and safety procedure of lathe machine tool" has been included in the Unit-2 19UME403 - Manufacturing Technology • The following exercises has been added in the course 19UME403 - Manufacturing Technology - Study of CNC machine and G code and M code, Simulation of simple lathe operation using CNC software
2.	International Faculty	Dr. P. Sivakumar Senior Lecture MAHSA University Selangor Malaysia	**Manufacturing Technology** • **In Module I**: Thermal aspects of machining, cutting fluids, machinability shall be added • CNC machine basic concept and codes must be included as theory content to cultivate the practical skill in CNC exercises		• The topic "Cutting Fluids" has been included in the Unit-1 19UME403 - Manufacturing Technology • The following exercises has been added in the course 19UME403 - Manufacturing Technology - Study of CNC machine and G code and M code, Simulation of simple lathe operation using CNC software

S.No	STAKE HOLDER	NAME	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
3.	Faculty Member	Dr.A. VALAN ARASU, B.E. (Distn.); M.E.(Distn.); Ph.D.; Postdoc (NUS, Singapore), BOYSCAST Fellow, Professor, Mechanical Engineering, Thiagarajar College of Engineering	**Engineering Thermodynamics** • Add the content in objective Introduction to fluid machineries needs to be added. • **In Module II** : Content absolute entropy Replace it with Third Law of Thermodynamics • **In Module III**: Heading May be replacedby Rankine Cycle • **In Module IV**: Check Is it T-dS relations? • **In Module V** Psychometric charts, Properties of Atmospheric air are discussed prior to the chart.	• Introduction to fluid machineries topic is already studying in Fluid Mechanics.	• The topic "Properties of Atmospheric air" has been rearranged to be discussed prior to the Psychometric charts in the Unit-5 19UME303 - Engineering Thermodynamics
4.	Faculty Member	Dr.A. VALAN ARASU, B.E. (Distn.); M.E.(Distn.); Ph.D.; Postdoc (NUS, Singapore), BOYSCAST Fellow, Professor, Mechanical Engineering, Thiagarajar College of Engineering	**Fluid Mechanics and Machinery** • Compressible fluid flow is not included in the syllabus and hence gas tables are not required and shall be removed. • **In Module IV**: Title shall be modified as Hydraulic machines as roto-dynamics machine is a generic term which included both hydraulic and thermal turbo machines.	• This section shall be revised and divided into two sub sections: first section on centrifugal pump and second section on hydraulic turbines	• The Unit – 4 Title has been modified as "Hydraulic Turbines" in 19UME304 - Fluid Mechanics And Machinery

S.No	STAKE HOLDER	NAME	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
5.	Faculty Member	Dr. S.C. Vettivel,. (Metallurgy), Department of Mechanical Engineering, Chandigarh College of Engineering & Technology (Degree Wing), Sector 26. (Govt. Institute under Chandigarh	**Materials Engineering** • The Course contents are well organized • Iron carbon equilibrium diagram, invariant reactions, TTT diagram, CCT diagram, phase transformation, homogeneous and heterogeneous nucleation topics may be considered.	• Time-temperature-transformation (TTT) diagram is an essential tool for studying the microstructure of stainless steels to enhance properties. Continuous cooling transformation (CCT) diagrams are widely used when heat treating steels and represent which type of phase will occur in a material as it is cooled at different cooling rates.	The following topics "TTT diagram, CCT diagram, phase transformation" will be covered in the topic "Cooling curves" in Unit-2 19UME306 - Materials Engineering
6.	Faculty Member	Dr. S. Suresh, Associate Professor, Department Mechanical Engineering National Institute of Technology, Tiruchirappalli .	**Applied Thermal Engineering** • **In Module I**: The following cycles/portions may be added Vapour power cycles - Rankine cycle - Effect of pressure and temperature on Rankine cycle - Reheat cycle - Regenerative cycle, Stirling and Brayton cycles. • **In Module V:** The following cycles may be added Working principles and concept of RSHF, GSHF, ESHF- Cooling Load calculations.	• The mentioned topics are to familiarize the concepts, laws and different gas power cycles, Refrigeration and Air Conditioning system.	The following topics "Brayton with Reheat and Regenerative cycle" has been included in the Unit-1 19UME402 - APPLIED THERMAL ENGINEERING The topic "Rankine cycle" has been included in the Unit-3 19UME303 - ENGINEERING THERMODYNAMICS The topics "GSHF ESHF RSHF calculations" has been included in the Unit-5 19UME402 - APPLIED THERMAL ENGINEERING

S.No	STAKE HOLDER	NAME	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
7.	Faculty Member	Dr. S.C. Vettivel, (Metallurgy), Department of Mechanical Engineering, Chandigarh College of Engineering & Technology (Degree Wing), Sector 26. (Govt. Institute under Chandigarh	**Strength of Materials** • The Course contents are well organized • Statically Indeterminate Problems, Differential Equation Approach to Torsion Problems may be **considered in Torsion**	• The mentioned topics should help to familiarize the student to calculate stresses, deflections and torsion for beams, twisting bars for various engineering applications	The topics "Statically indeterminate torsion members- Alternative differential equation approach for torsion" has been included in the Unit-5 19UME404 - MECHANICS OFMATERIALS
8	Alumni	S. Ferozkhan (2017-2021) Engineer, Brakes India ltd, Chennai	The new course Machine Learning may be included in the curriculum	• Python is commonly used for developing websites and software, task automation, data analysis, and data visualization. Python is also used in other areas of mechanical engineering such as vibration and dynamic motion, simulation and modeling engineering etc. The automotive and automotive industries use python to perform tasks automatically.	In R2019, Python Programming included as Professional Core.

S.No	STAKE HOLDER	NAME	FEEDBACK	FEEDBACK ANALYSIS	ACTION TAKEN
9	Student	Durga.K	The new course Statistical Quality Control may be included in the curriculum	• Statistical analysis in quality control is where statistical methods are used to measure, monitor and maintain the overall quality of products. Over time, the results help processes, such as manufacturing, ensure that the procedures will produce more specification-conforming products, therefore creating less waste	In R2019, Statistical Quality Control included as Professional Elective

The above feedback is analyzed in the Program Assessment Committee and Department Advisory Board and suitable actions are initiated.

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