

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-625015

(A Govt. Aided, Autonomous Institution Affiliated to Anna University)

Department of Mechanical Engineering

Faculty Feedback the academic year 2021-2022

Sl No.	Course Code and Name	Course contents that can be added/ Modified	Course contents that can be removed
1.	18ME350 Mechanical Measurements and Metrology	Modified and included in the fluid mechanics, thermal engineering, kinematics and dynamics courses	—
2.	18ME230 Metal Casting and Forming Processes	—	Topics related to sheet metal operations may be removed
3.	18ME510 Kinematics and Dynamics of Machinery	Dynamics lab is proposed in 2022 syllabus revision	---
4.	18ME680 CAD/CAM Lab	More CAD exposure is required hence separate CAD lab is recommended	-----
5.	18ES290 Lateral Thinking, 18ES390 Design Thinking	May be combined into one subject in 2022 syllabus revision	
6.	18ES690 Engineering Design Project 18ES790 Capstone Design Project	In 2022 syllabus revision, Student should do project specific to three major areas in mechanical engineering	-----

Action Taken

Course instructors and course designers of above courses are informed about the comments and instructed to take appropriate changes in the syllabus and pass in coming Board of Studies meeting

K. C. _____
HDME
JM

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI
DEPARTMENT OF INFORMATION TECHNOLOGY

B.Tech. Information Technology

REPORT ON COURSE FEEDBACK BY FACULTY

ACADEMIC YEAR: 2021-22, Odd Semester

General Observations	<ul style="list-style-type: none"> • All the courses are found to be important and relevant to the current trend of industry needs and societal needs • Proficiency level of the students found to be good • Availability and use of software and hardware for the conduct of Laboratory seems to be good • Availability of text books and other content is satisfactory • Different active learning strategies are found to be adopted by all the course handling faculties • Various teaching tools like Padlet , Kahoot , quizziz, Mentimeter used by all the faculties as teaching tool
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Course code	Course Name	Challenging topics	Course contents that can be added/modified	Course contents that can be removed
Semester: III				
18IT320	Object Oriented Programming	-	-	-
18IT330	Software Engineering	-	Full stack and mean stack	-
18IT340	Data Structures	Linked List	-	-
18IT361	IT Operations and Management	Windows server based Topics	Devops, MLOps, Automation in Storage and Backup domains, CI/CD Pipeline	Traditional Storage Approaches
18IT370	Object Oriented Programming Lab	-	-	-
18IT380	Data Structures Lab	-	-	-
18ES390	Design Thinking	-	-	-
Semester: V				
18IT511	Web Technology	-	-	-
18IT520	Information Security	-	-	-
18IT530	Data Mining	Problems related to Classification and Clustering need more time	Data warehouse	-
18IT540	Accounting and Finance	Economics	Significance of economics	-
18IT570	Web Technology Lab	Due to online lab, few students are struggled with system/software support	-	-
18IT580	Information Security Lab	-	-	-
18ITGA0	Database Management System	Normalization	NOSQL	-
18ITGC0	Object Oriented Programming with Java	-	-	-
18ES590	System Thinking	-	-	-

18CHAC0	Essence of Indian Knowledge	-	-	-
Semester: VII				
18IT710	Human Computer Interaction	-	-	-
18IT770	Multimedia laboratory	3D animation		
18ITPE0	FOG COMPUTING	5G Use cases		
18ITPK0	Social Network Analysis	-	-	-
18ITPQ0	Software Testing			Traditional SDLC Models
18ITPR0	C# and .NET Framework		ORM Methods	
18ITPU0	Big Data Tools and Technologies	SPARK	-	-
18ITRA0	Information Security Auditing and Management	-	-	-

Any other major changes proposed:

- The terminal assessment can be carried out in practical mode for the course: IT Operations and Management since 70% of the course contents deal with server configurations, installations and scripting
- Elective courses like C# and .Net framework and Software Testing can be offered as Theory Cum Practical course


TLP Coordinator


Program Coordinator


HOD

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI

DEPARTMENT OF INFORMATION TECHNOLOGY

B.Tech. Information Technology

REPORT ON COURSE FEEDBACK BY FACULTY

ACADEMIC YEAR: 2021-22, Even Semester

General Observations	<ul style="list-style-type: none"> • All the courses are found to be important and relevant to the current trend of industry needs and societal needs • Proficiency level of the students found to be good • Availability of text books and other content is good • Different active learning strategies are found to be adopted by all the course handling faculties • Various teaching tools like Padlet , Kahoot , quizziz, Mentimeter used by all the faculties as teaching tool
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Course code	Course Name	Challenging topics	Course contents that can be added/modified	Course contents that can be removed
Semester: III				
18IT220	Problem solving using computer	-	-	-
21IT230	Operating systems		Linux topic shall be included	-
18IT240	Computer Organization and Design	-	-	Course content is heavy and need updations
18ES290	Lateral Thinking	-	-	-
18IT260	Essentials of IT	Business problems based application	-	-
18IT280	Workshop	-	-	-
Semester: IV				
18IT420	Algorithm Design Principles	NP Hard and complete problems	-	-
18IT430	Computer Networks	License for Opnet Riverbed has to be procured	Experiments on Networking Commands and Experiments using GNS3	-
18IT440	Database Management Systems	Transaction processing	-	Relational Calculus, spatial and temporal databases
18IT470	Computer Networks Lab	-	Experiments on Networking Commands and Experiments using GNS3	OPNET based Experiments
18IT480	Database Management System Lab	-	-	-
18IT490	Project Management	-	-	-
18CHABO	Constitution of India	Risk Management	-	-
		-	-	-

Semester: VI				
18IT610	Cloud Computing	Implementation of Cloud service models, Openstack, Hadoop	Cloud-native framework, Cloud Resource allocation, Simulation with Cloudsim, Service model can be added	
18IT630	Internet of things	-	-	Openvswitch,
18IT660	Mobile Application Development	-	-	-
18IT670	Cloud Computing Lab	-	-	-
18ES690	Engineering Design Project	-	-	-
18ITGD0	Software Engineering(General Elective)	-	-	-
18ITPD0	Distributed Application Development	-	-	-
18ITPF0	Software Defined Networks	-	-	Traditional SDLC Models
18ITPM0	ETHICAL HACKING	Information Security Laws and Standards	ORM Methods	
18ITPP0	Blockchain Technologies	-	-	-
18ITPJ0	Wireless and Mobile Communication	-	-	-

Any other major changes proposed:

- The infrastructure in the lab needs to be improved. It is a matter of huge concern. At least a few AWS/Azure/IBM/Google cloud user licenses need to be procured to facilitate cloud computing theory and lab course
- The content of computer organization and design course needs major revision


TLP Coordinator


Program Coordinator


HOD

Thiagarajar College of Engineering
Department of Electrical and Electronics Engineering

Teacher/Facilitator Feedback
Analysis
Academic Year 2021-22

Course coverage have been done well for most of the courses. Insufficient time for coverage of course contents is not reported for any course. Content of all the courses consistent to COS are found suitable.

Innovative teaching and assessment methods are used in all the courses. Most of the teachers are using ICT tools in addition to PPT. Moodle, Google class room- A learning management system (LMS) has been used by most of the faculty. Active learning strategies like TPS, Collaborative learning, jig saw method and Peer coaching are also reported. Software simulations (MATLAB, Pspice, Multisim, Tinkercad), Nptel contents, Videos from websites and screen casting videos are also used for teaching and learning.

Few faculties have launched online courses for the benefit of the students.

18EEGF0	Some more case studies shall be added.
18EERF0	Industrial visits may be planned
18EEPY0	Workshops for interaction with industrial experts may be planned
18EE380	Licensed simulation tools need to be purchased
18ES590	This entire course may be clubbed with Design thinking and Project Management.
18ES590	This theory content can be included in Design thinking course. System thinking course can be clubbed with Design thinking course
18EE530	Advanced power devices may be added
18EEPY0	Practical study may be included

The above mentioned points will be taken into account while revising the curriculum.

C. J. Balaji
HDEE
BAS

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
B.E COMPUTER SCIENCE AND ENGINEERING
REPORT ON COURSE FEEDBACK BY FACULTY

Date: 23.01.2023

ACADEMIC YEAR: 2021-2022 Odd Semester

General Observations	<ul style="list-style-type: none"> • All the courses are relevant to the industry and societal needs. • Courses Content are good enough which contributes to design thinking as well as critical analysis. • Course outcomes, assessment and mapping of program outcomes are good enough. • Content delivery is enhanced by using active learning strategy. • Proficiency of student level is adequate. • Availability of text books and reference materials are satisfactory.
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Course Code	Course Name	Challenging Topics	Course contents that can be added/modified	Course contents that can be removed
Semester: V				
18CSPA0	Data Warehousing and Mining	Data Mining	Case studies on different data mining algorithms can be included	-
18CS520	Theory of Computation	PDA to CFG derivation	-	-
18CS570	Databases Lab	Working with complex data types in SQL	-	-
18ES590	System Thinking	Finalizing the design concepts from requirements	-	-
18CSPL0	Cloud Computing	Cloud architecture and higher-level programming without tutorial sessions	Cloud tools can be included	More no of architectural framework which can be minimized
18CSGB0	Programming using Python	-	Based on course outcomes some contents can be exchanged	-

Semester: VII				
14CSGB0	Essentials of Mobile Application Development		Recent technologies of App development framework to be added	Basics of architecture can be removed to little extent.
14CSGA0	Web Technologies		Full Stack Development can be incorporated	Instead of Servlet, other server-side programming like PHP can be taught. XML can be excluded from syllabus

Any other major changes proposed: NIL

B. Subbar
TLP Coordinator

B. Subbar
Program Coordinator

S. S. Shree
HODCSE

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
B.E COMPUTER SCIENCE AND ENGINEERING
REPORT ON COURSE FEEDBACK BY FACULTY

Date: 23.01.2023

ACADEMIC YEAR: 2021-2022 EVEN Semester

General Observations	<ul style="list-style-type: none"> • All the courses are relevant to the industry and societal needs. • Courses Content are good enough which contributes to design thinking as well as critical analysis. • Course outcomes, assessment and mapping of program outcomes are good enough. • Content delivery is enhanced by using active learning strategy. • Proficiency of student level is adequate. • Availability of text books and reference materials are satisfactory.
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Course Code	Course Name	Challenging Topics	Course contents that can be added/modified	Course contents that can be removed
Semester: II				
18ES290	Lateral Thinking	The Activity given in this Courses Can't directly mapped with CO's. Hence CO attainment process is difficult in this course.	This course can be merged with design thinking	This course can be merged with design thinking
Semester: IV				
18CS440	Database Management Systems	Recovery Systems, Concurrency Control Methods	-	-
18CS420	Design And Analysis of Algorithms	-	More application for backtracking can be included	-
18CS470	System Software and Operating Systems Lab	Implementation of Assemblers and Loaders	Scheduling algorithms implementation can be minimized. Message Pipes can be included	Multi-pass assemblers, linkers can be removed

19CS490	Project Management	Project planning	.	.
Semester: VI				
18CS630	Artificial Intelligence	Heuristic search algorithms	Reinforcement learning can be included	.

Any other major changes proposed: **NIL**

B. Sulli
TLP Coordinator

B. Sulli
Program Coordinator

S. S. S.
HODCSE

**THIAGARAJAR COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING**

**Faculty Feedback Analysis Report
Academic Year 2021-22**

Sl.No.	Course Name	Course Designer/Course handling faculty	Topics to be added/to be removed/to be modified	Justification
1.	18CERFO Industrial Waste Water Management	Dr.V.Ravisankar	Introduction module and pollution prevention modules can be combined instead state of the art technologies in industrial sectors can be added	Both are generic contents and the pollution prevention concepts can be incorporated in case studies with flow sheets
2.	18CE660 Design of Reinforced Concrete Elements	Dr. M. C. Sundarraja Mr.R.Indrajith Krishnan	1. Analysis and design of beams and slabs by working stress method to be added. 2. Development of spreadsheets for the design of structural elements by limit state method to be added	1. Since, still working stress method is accepted in India for special structures such as RC bridges, water tanks and chimneys. 2. Stakeholders are expected by the Industry, the knowledge of preparing spreadsheets for the design of structural elements.
3.	18CEPT0 Engineering Hydrology	Mr. M. Ramasamy	Module No.4.3 and 4.4 will have to be removed and in the Module 3 Flood Routing will have to be added	Since the reason for removal of 4.3 Introduction to Climate Change and its effects on Hydrological process and 4.4 Application of software in hydrology, is not included in the syllabus of TNPSC, IES and GATE examination and Flood Routing is included in all these examination

Action Plan:

All the suggestions/comments expressed by the faculty members would be taken up for discussion in the subsequent Board of Studies meeting and appropriate corrections will be carried out in the course content and assessment methodologies


HDCE



THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI - 625 015
(A Govt. Aided, Autonomous Institution affiliated to Anna University)

DEPARTMENT OF ARCHITECTURE

Ref: Arch/TLP/ Feedback /Staff/1

Report on staff feedback

Suggestions given:

Following suggestions are given by the course instructor for the Academic year 2021-2022, specifically for each subjects handled by them

- 15AR321 (Climate and Architecture) – to have more hands on exercise to critically analyze and apply the same in design
- 15AR620 (History of Modern Architecture) - Time is not adequate for completing the whole syllabus, can reduce some topics
- 15ARFA0 (Concepts and Approaches in Design) – Could be offered as compulsory subject for lower classes

Addition/removal/suggestion on course content

Following addition and removals has been suggested by the faculties for their subjects handled.

- 15AR620 (History of Modern Architecture) – Some case examples can be removed
- 21AR110 (Architectural Principles – World Architecture) – Case examples can be reduced to 1 or 2 for each topic
- 21AR130 (Architectural Projections) – to understand the topic ‘projection of solids’ more real time scaled drawings can be given as examples
- 15AR820 (Landscape Architecture) – As more examples and assignments are drawing based, it can be considered as theory cum studio subject.
- 18GA110 (Contemporary Architectural Trends) – Can be offered as Theory cum studio, for the students to have more hands on experience

Action taken:

- 21AR220 (Climate Responsive Architecture) is the revised syllabus for 15AR321 with more hands on exercises using instruments.
- 15ARFA0 (Concepts and Approaches in Design) - the portions of this subject is combined with 21AR320 (Design thinking and Principles of Design), which is a compulsory theory subject for semester 3 students.
- 21AR130 (Architectural Projections) -The new methodology of delivering this content to architectural projection and graphical visualization will be considered for the future deliveries.
- 15AR820 (Landscape Architecture) – is revised and to be offered as 21ARFG0 (Landscape Design).
- 18GA110 (Contemporary Architectural Trends) – contemporary processes in architectural design has been discontinued in the new syllabus and offered as theory cum studio skill based course (22GA120-Computational Processes Lab) incorporating hands on exercises using digital tools.

Staff I/C:

C. Praveen
Head

TLP

J. Chandrasekhar

Amritha
HOD-ARCH

REPORT ON COURSE FEEDBACK BY FACULTY

ACADEMIC YEAR : 2021-2022, Odd Semester

Date: 19-04-2022

General Observations	<ul style="list-style-type: none"> All the courses are found to be important and relevant to the current trend of industry needs and societal needs Course outcomes shall be revisited Proficiency level of students are found to be high Availability of text books and other content is satisfactory ICT tools other than Power point and active learning techniques shall be used extensively inside the class
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Course code	Course Name	Challenging topics	Course contents that can be added/modified	Course contents that can be removed
19DS110	Calculus	-	Unit 1 can be modified as the basics they have studied in their higher secondary	Basics of differentiation and integration can be removed
19DS120	Applied Physics	Vast topics ;	Lasers and its Applications	SMA and its Application
19DS130	Digital Electronics	Vast content that shall be reduced		-
19DS140	Problem Solving using C programming		Need more time for practical real time examples	
19DS150	Discrete Structures	-	Unit 5 can be modified, as it has huge concept in one unit	In Automata Theory, topics are more. It can be revised
19DS170	C programming lab	-	-	-
19DS180	Professional Communication	-	-	-
19DS310	Applied Statistics	-	-	-
19DS320	Linear Algebra	-	-	-
19DS330	Organizational Theory And Behaviour	-		-
19DS340	Advanced Data Structures	B – trees;	Red black trees;	m-d trees, splay trees, Fibonacci heap; Data structures of 2 nd sem and 3 rd sem shall be restructured
19DS350	Computer Organization	I/O ports	Floating point representation	-
19DS370	Applied Statistics With Python	-	-	-
19DS380	Advanced Data Structures Lab	Graph programs and sorting programs as there is no theory connected to these topics	Instead of binomial heap, binary heap operations shall be performed	Binomial heap and disjoint sets; Instead binary heap and more graphs problems shall be include in experiments;
19DS510	Numerical Methods	Coverage of syllabus	Sparse matrix	-
19DS520	Web Technology	Limited time for in-depth practice		Java Applets
19DS530	COMPUTER NETWORKS	Network tools		Network Security
19DS540	MACHINE LEARNING	Mathematical derivation, Bayesian regression	Lot of focus on regression only; can be redesigned to incorporate popular ML algorithms	Too much of Bayesian touch shall be reduced
19DSPJ0	SOFTWARE ENGINEERING	-	-	-
19DS570	Java programming lab	-	-	-
19DS580	Web Technology Lab	More time needed for practice all the modern methods		

Anil D
TLP Coordinator

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HODAMCS 19/4/22

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI
DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE

REPORT ON COURSE FEEDBACK BY FACULTY

ACADEMIC YEAR : 2021-2022, Even Semester

Date: 31-08-2022

General Observations	<ul style="list-style-type: none"> • All the courses are found to be important and relevant to the current trend of industry needs and societal needs • Course outcomes shall be revisited • Proficiency level of students are found to be high • Availability of text books and other content is satisfactory • ICT tools other than Power point shall be used extensively inside the class • Joint teaching/webinars are conducted for few courses to enhance knowledge
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Course code	Course Name	Challenging topics	Course contents that can be added/modified	Course contents that can be removed
19DS210	Theory of Probability	-	-	Few important distributions can be added Reliability unit can be modified
19DS220	Transforms and its Applications	-	Partial differentiation equations	-
19DS230	Data Structures	Binary trees	Course outcomes need to be modified. Sorting and linear - binary searching algorithms	-
19DS240	Object Oriented Programming	-	-	More Projects shall be discussed
19DS250	Graph Theory	-	-	-
19DS270	Object Oriented Programming Lab			
19DS280	Data Structures Lab	Time of completion is challenging;	Linear and Binary Search shall be added; Sorting algorithms shall be inserted in theory	
19DS410	Abstract Algebra	-	-	=
19DS420	Applied Statistics	-	-	-
19DS430	Design And Analysis Of Algorithms	-	-	-
19DS440	Operating Systems	-	-	-
19DS450	Predictive Analytics	Wald test, ARIMA Models;	Course outcomes should be rewritten to reflect the content; Revision of Time series analysis part	Causality analysis
19DS480	Design and Analysis of Algorithms Lab	-	-	-
19DS610	Deep learning	-	-	-
19DS620	DATA MINING	Streaming data	Course content shall be made specific with the names of algorithms	-
19DS630	Big Data Systems	-	-	-
19DS640	Optimization Techniques	-	-	-
19DSPB0	Mobile Application Development	Demos inside classroom with limited system configuration	-	-
19DS670	BIG DATABASE SYSTEMS LAB	Variety of Database	-	-
19DS680	Deep learning lab	-	-	-

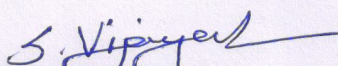
Anilka
TLP Coordinator

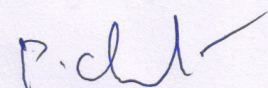
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HODAMGS

Thiagarajar College of Engineering
Department of Computer Applications, Madurai

Report on Course Feedback by Faculty
Academic Year 2021-2022 ODD Semester

Course Code	Course Name	Faculty Review
22CA110	Mathematical Foundations of Computer Science	--
22CA120	Data Structures and Applications	Course content is satisfactory.
22CA130	Database Management Systems	More time needed to complete the course.
22CA140	Software Engineering	Course content is satisfactory.
22CA150	Problem Solving using Computers	Course content is satisfactory. More time needed to give hands on training.
22CA170	RDBMS Lab	Availability of software in the lab and course content satisfactory, Mini Projects are given Real time problem is given as assessment.
22CA180	Data Structure using C Lab	Mini Projects shall be assigned as team projects.
22CA190	Professional Communication	--
21CA310	Operations Research	--
21CA320	Internet and Java Programming	Relevant to the Current trend of industry needs and social needs syllabus
21CA330	Object Oriented Modeling and Design Patterns	Concept Test is used for Assessment.
21CAPE0	Elective I (Data Analytics)	Needs to give hands on Training.
21CA370	Java Programming Laboratory	Hands on Training is given
21CA380	Applications Development Laboratory	Open source Tools. Software can be Practised
21CA390	Data warehousing and Data Mining Laboratory	Availability and use of Software for the conduct of Laboratory experiments are good- Hands on Training is given.

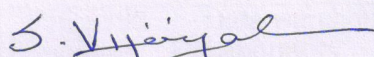

TLP Coordinator

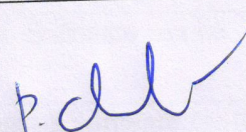

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Thiagarajar College of Engineering
Department of Computer Applications, Madurai

Report on Course Feedback by Faculty
Academic Year 2021-2022 EVEN Semester

Course Code	Course Name	Faculty Review
21CA210	Software Engineering	Course content is satisfactory.
21CA220	Object Oriented Programming using C++	More Demos given based on OOPS concept.
21CA230	Design and Analysis of Algorithms	Course content is satisfactory. More time needed to give hands on training.
21CA240	Operating Systems	The Course content shall be revised to cover the modules in more details manner.
21CA250	Data Warehousing and Data Mining	Course content is satisfactory. More time needed to give hands on training.
21CA270	C++ Programming Laboratory	Availability of software in the lab and course content satisfactory, Mini Projects are given Real time problem is given as assessment.
21CA280	Algorithms Implementation and Analysis using C Laboratory	Mini Projects shall be assigned as team projects.
21CA290	Professional Communication	--
21CA410	Project	Relevant to the Current trend of industry needs and social needs Projects.


TLP Coordinator


HODCA