

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

Date: 15.09.23

**ACADEMIC YEAR: 2022-2023 Odd Semester**

<b>General Observations</b>	<ul style="list-style-type: none"> <li>• All the courses are relevant to the industry and societal needs.</li> <li>• Courses Content are good enough which contributes to design thinking as well as critical analysis.</li> <li>• Course outcomes, assessment and mapping of program outcomes are good enough.</li> <li>• Content delivery is enhanced by using active learning strategy.</li> <li>• Proficiency of student level is adequate.</li> <li>• Availability of text books and reference materials are satisfactory.</li> </ul>
-----------------------------	--

Course Code	Course Name	Challenging Topics	Course contents that can be added/modified	Course contents that can be removed
<b>Semester: III</b>				
18CS320	Principles of programming paradigms	ADA based programming	Lamda based pragmatics can be added	-
18CS330	Object Oriented Programming	-	Java based case study can be included	-
18CS390	Design Thinking	-	Lateral thinking and Design thinking content can be present in same course	-
<b>Semester: V</b>				
18CS520	Theory of Computation	-	Separate tutorial hour can be given	-
18CSPL0	Cloud Computing	Programming Models	Programming Models are more in single module	Programming Models
<b>Semester: VII</b>				
18CSPKO	Deep Learning	Advanced case study demos	-	-

Any other major changes proposed: **NIL**

**Action Taken**

Course Instructors and Course Designers of above courses are informed about the comments and instructed to take appropriate changes in the syllabus.

*B. Suleal*  
TLP Coordinator

*B. Suleal*  
Program Coordinator

*S. S. Sheela*  
HDCSE

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

Date: 15.09.23

**ACADEMIC YEAR: 2022-2023 EVEN Semester**

<b>General Observations</b>	<ul style="list-style-type: none"> <li>• All the courses are relevant to the industry and societal needs.</li> <li>• Courses Content are good enough which contributes to design thinking as well as critical analysis.</li> <li>• Course outcomes, assessment and mapping of program outcomes are good enough.</li> <li>• Content delivery is enhanced by using active learning strategy.</li> <li>• Proficiency of student level is adequate.</li> <li>• Availability of text books and reference materials are satisfactory.</li> </ul>
-----------------------------	--

Course Code	Course Name	Challenging Topics	Course contents that can be added/modified	Course contents that can be removed
<b>Semester: II</b>				
22CS250	System Programming	Device Management	Lab Component can be included	-
22CS230	Computer Organization and Architecture	Pipelining	Tutorials can be given	-
<b>Semester: IV</b>				
21CS430	System Software and Operating Systems	File Management	-	-
18CS470	System software and Operating Systems Lab	Implementation of Assemblers and Loaders	Message Pipes can be included	-
21CHAB0	Constitution of India	Abstract theory of history	-	-
<b>Semester: VI</b>				
18CS630	Artificial Intelligence	Heuristic search algorithms	Reinforcement learning can be included	-

Any other major changes proposed: **NIL**

**Action Taken**

Course Instructors and Course Designers of above courses are informed about the comments and instructed to take appropriate changes in the syllabus.

*B. Suleen*  
**TLP Coordinator**

*B. Suleen*  
**Program Coordinator**

*S. S. Suleen*  
**HOD/CSE**

**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**

<b>General Observations</b>	<ul style="list-style-type: none"> <li>• All the courses are relevant to the industry and societal needs.</li> <li>• Courses Content are good enough which contributes to design thinking as well as critical analysis.</li> <li>• Course outcomes, assessment and mapping of program outcomes are good enough.</li> <li>• Content delivery is enhanced by using active learning strategy.</li> <li>• Proficiency of student level is adequate.</li> <li>• Availability of text books and reference materials are satisfactory.</li> </ul>
-----------------------------	--

Course Code	Course Name	Challenging Topics	Course contents that can be added/modified	Course contents that can be removed
<b>Semester: V</b>				
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	-

<b>Semester: VII</b>				
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. Subbaraj*  
TLP Coordinator

*B. Subbaraj*  
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**

<b>General Observations</b>	<ul style="list-style-type: none"> <li>• All the courses are relevant to the industry and societal needs.</li> <li>• Courses Content are good enough which contributes to design thinking as well as critical analysis.</li> <li>• Course outcomes, assessment and mapping of program outcomes are good enough.</li> <li>• Content delivery is enhanced by using active learning strategy.</li> <li>• Proficiency of student level is adequate.</li> <li>• Availability of text books and reference materials are satisfactory.</li> </ul>
-----------------------------	--

Course Code	Course Name	Challenging Topics	Course contents that can be added/modified	Course contents that can be removed
<b>Semester: II</b>				
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
<b>Semester: IV</b>				
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	.	.
<b>Semester: VI</b>				
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, MADURAI**  
**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**B.TECH COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**REPORT ON COURSE FEEDBACK BY FACULTY**

**ACADEMIC YEAR: 2022-23, ODD Semester**

Course code	Course Name	Challenging topics	Course contents that can be added/modified	Course contents that can be removed
21CB150	Business Communication and Value Science I	Time constraint is observed to make every student complete the modules on time.	Instead of PPT presentation, project review is very much enough to meet out the required outcome without causing much workload to students.	Technical Presentation because project review is already there and project is based on technical topics only.
21CB160	Fundamentals of Physics	Late admission had tight time to complete experiments	Quantum computation-Motivation towards core subjects	Crystal Physics-BCC, FCC,HCP, Interference, Diffraction(Already studied in plus two)
21CB311	Computer Organization and Architecture	-	-	Replacement Algorithms
21CB320	Object Oriented Programming	-	Multithreading and RMI	Overview of C
21CB350	Formal Languages and Automata Theory	-	JFLAP Simulators	YACC Tool
21CB360	Computer Organization and Architecture Laboratory	-	-	Combinational Circuits
21CB370	Object Oriented Programming Lab	Implementation of same concept with different input arguments	-	Repetition of same concepts with different input arguments
20CB510	Design and Analysis of Algorithm	CO4 is heavy	Divide and conquer algorithm	-
20CB550	Business Communication & Value Science III	Data Collection and report submission	Role-play can be modified	Grammar components can be removed
20CB570	Design and Analysis of Algorithm Lab	-	Dynamic programming	-

*P. ch*  
**HDCSBS**

*AH*

**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI**  
**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**B.TECH COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**REPORT ON COURSE FEEDBACK BY FACULTY**

ACADEMIC YEAR: 2022-23, EVEN Semester

Course code	Course Name	Challenging Topics	Course contents that can be added/modified	Course contents that can be removed
21CB210	Linear Algebra	-	Symmetric Matrix diagonalization using orthogonal transformation can be added and it has wider applications in image processing	Cramer rule and inverse of matrix can be removed because they are very elementary and students studied those concepts in their higher secondary themselves.
21CB220	Statistical Methods	ARIMA Time Series Model	Basic Time series Concepts can be added and give more time to complete	Simple Linear Regression and Correlation ( Its Available in the First Semester)
21CB411	Operating Systems	Shell Programming	-	-
21CB420	Database Management Systems	Normalization, Sub queries	-	-
21CB430	Introduction to Innovation, IP Management & Entrepreneurship	Gathering of ideas for Entrepreneurship and Innovation	-	-
21CB480	Operating Systems Lab	Shell Scripting	-	-
20CB610	Computer Networks	Logical Addressing	-	-
20CB620	Information Security	-	Few encryption and decryption algorithms can be added to enhance the course syllabus.	-
20CB640	Financial Management	Budgeting concept	-	-
20CB660	Computer Networks Lab	File Transfer application using PUTTY	-	-
20CB680	Artificial Intelligence Lab	-	Can include concepts like introduction to learning algorithms and applications	-
20CBPB0	Cloud, Microservices & Application	-	-	Python – Refresher


*P. d. d.*  
HDCSBS

*AK*

**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI**  
**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**B.TECH COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**REPORT ON COURSE FEEDBACK BY FACULTY**

ACADEMIC YEAR: 2021-22, ODD Semester

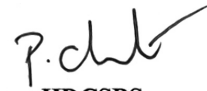

Course code	Course Name	Challenging topics	Course contents that can be added/modified	Course contents that can be removed
20CB180	Principles of Electrical Engineering Lab	Theorems	Digital systems	Electromagnetisms
20CB320	Object Oriented Programming	Handling two language C++ and JAVA simultaneously	-	-
20CB330	Computational Statistics	-	Unit I shall be modified	-
20CB340	Software Engineering	Code Coverage	-	-
20CB380	Computational Statistics Lab	Used individual datasets and asked the students to apply the computational statistics concepts to analyze their own dataset. Made them to infer the results and explain	Data visualization is repeated it can be merged as one exercise	-

  
 P. d. h.  
 HDCSBS  


**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI**  
**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**B.TECH COMPUTER SCIENCE AND BUSINESS SYSTEMS**  
**REPORT ON COURSE FEEDBACK BY FACULTY**

ACADEMIC YEAR: 2021-22, EVEN Semester

Course code	Course Name	Challenging topics	Course contents that can be added/modified	Course contents that can be removed
20CB230	Data Structures and Algorithms	Trees and Graphs	-	-
20CB250	Fundamentals of Economics	Equilibrium of Firm	-	-
21CB270	Data Structures and Algorithms Lab	-	To include programs using graphs	-
20CB420	Database Management Systems	Normal Forms, Database Security	-	-
20CB460	Software Design with UML	-	Cohesion and Coupling to be added	-
20CBPA0	Marketing Research and Marketing Management	Marketing Research Techniques	-	Multivariate analysis Discriminant analysis Cluster analysis

  
 P. ch  
 HDCSBS  




**THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI -15**  
(A Govt.aided Autonomous Institution Affiliated at Anna University)  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Ref: CSE\Feedback\Faculty\2020-21

27.08.2021

**Faculty Feedback for the academic year 2020-2021**

**Suggestions Given**

Following Suggestions are given by the course instructors for the Academic Year 2020-21

1. Students can be given more practice problems on the following topics like SQL, Normalization.
2. Practice problems can be given for students on real time data analytics.
3. Students can be motivated to do research publications.
4. A new Theory Cum Practical elective course on Mobile Application Development can be introduced.
5. Students can be aligned with a mentor at earlier semester for doing mini projects.

**Action Taken**

1. More practice problems on the topics like SQL, Normalization was given in database lab course.
2. Analytical problems using real time datasets were given as assignments in data analytics course.
3. Students are enrolled in research practice course to work on the research areas and publish papers in reputed conferences/journals.
4. A separate elective course on Mobile Application development will be introduced in the upcoming Board of Studies meeting.
5. From 2<sup>nd</sup> Semester onwards students are aligned with the special interest groups for doing their mini projects.

  
**HDCSE**  




# Thiagarajar College of Engineering, Madurai – 625 015

(A Government Aided ISO 9001 : 2008 Certified Autonomous Institute Affiliated to Anna University)

## Department of Computer Science and Engineering

---

Ref: CSE\Feedback\Faculty\19 - 20

### Report on Faculty Feedback

#### Suggestions given

Following Suggestions are given by the Course Instructors for the Academic Year 2019 – 2020

1. Students can be introduced with Non-relational database systems such as No-SQL, HBase and other related technologies for handling larger size data.
2. Separate courses on Deep Learning, Reinforcement learning can be given to students
3. As analytics is used in different engineering applications, several analytical methods and their applications should be taught to students
4. Advanced topics in algorithms such as randomized algorithms, approximation algorithms can be introduced.
5. Exposure on various computing architectures such as cloud, fog and edge is needed
6. Exposure on different software testing methods and tools should be given to students

#### Action Taken

Following actions are taken based on the suggestions given by Course Instructors

1. A new course on big data analytics is introduced to cover the big data technologies, streaming data processing.
2. New courses on Deep Learning, Reinforcement learning have been introduced
3. A new course on Data science has been introduced which deals with different types of analytical methods and case studies
4. A new course on algorithmic paradigms is introduced to cover the advanced topics in algorithms
5. An elective course on edge computing is designed to give exposures on different computing platforms.
6. A new course on software testing is introduced covering the testing methods and recent tools.

P. ch  
HDCSE  
B



**Thiagarajar College of Engineering, Madurai – 625 015**  
(A Government Aided ISO 9001 : 2008 Certified Autonomous Institute Affiliated to Anna University)

**Department of Computer Science and Engineering**

Ref: CSE\Feedback\Faculty\18 - 19

Report on Faculty Feedback

Suggestions given

Following Suggestions are given by the Course Instructors for the Academic Year 2018 – 2019

1. An introduction to 5G architecture and applications can be given
2. A general elective course on virtual reality may be given as it will help the students to go with interdisciplinary product/project design
3. Courses on machine learning, artificial intelligence can be given to students during third year which helps them to do projects, paper publications and also for their placements.
4. A course on Project Management is necessary for CS students to design and develop a software project
5. PG elective course on 4G and SDN need to be revisited to cover the concepts of 5G technology and its architecture.
6. A course on Robotics can be given to utilize the expertise and experts in UiPATH company
7. Students may be introduced with the concepts of REST APIs, microservices.

Action Taken

Following actions are taken based on the suggestions given by Course Instructors

1. An elective course on 5G architecture and protocols is introduced
2. A new course on Applications of Virtual Reality is introduced for non-CSE/IT students
3. Artificial Intelligence and its lab course is offered in 6<sup>th</sup> semester to help the students to do projects and publications.
4. A new course on Project Management is introduced instead of Organizational Behavior Management under Humanities and Social Sciences category
5. 4G and SDN elective course in M.E(CSE) programme has been revised to cover the latest technological trends in communication protocols.
6. A new course on Robotic Process Automation is introduced and the course designer of this course is trained by the UiPATH industry experts.
7. Elective Course on Microservices Architecture is introduced

P. ch  
HDCSE  
8