DEPARTMENT OF ARCHITECTURE

Ref: Arch/TLP/Feedback/Staff/1   12.06.2021

Report on staff feedback

Suggestions given:

Following suggestions are given by the course instructor for the Academic year 2020-2021

- Faculty members also mentioned the challenging topics of their respective subjects viz., 15ARFNO – 3D Modelling especially in the pandemic scenario and requires guest lectures by consultants and industrial professionals

- Need more FDP visualization for Design modeling, visualization and communication tools

- Need more FDP on Energy and resource efficient measures which could help to incorporate the ideas in the conductance of studios to arrive energy conscious design

Addition/removal/suggestion on course content

- 15AR910 – Professional Practice – content regarding patents to be relooked
- 15ARPE0 – Course content to be relooked for incorporating latest trends in Architecture program.
- 18GA310 – Contemporary Architecture trends - Few more trending architects could be added
- 18GA320 – Urban Ecology – course is too elaborate and to be relooked and need to be more specific.

Action taken:

- Above suggestions were taken for revamping the courses for the academic year 2020-21.
- New syllabus incorporates a stream of studio based courses focusing on Building Information Modeling from 2021 onwards.
- Students were encouraged to use augmented reality to generate models in this pandemic situation.
- Staff members are also made to attend workshops on Design modeling, visualization and communication offered by various institutes and industries to update their technical skills.

- Industry supported courses 15AR2B0 were designed and would be offered for the higher semesters from academic year 2021-22 to achieve energy and resource efficiency measures in building design and construction projects. Offering unique content with real life case studies and examples, this course aims to teach practical skills to deploy resource efficiency in building design.
- 15ARPE0 – The changes have been carried out and revised as 15ARPE1
- Suggestions regarding individual subjects will be taken into consideration and based on the BOS suggestions, it will be taken forward.

TLP

HOD ARCH

THIAGARAJAR COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
B.E CIVIL ENGINEERING

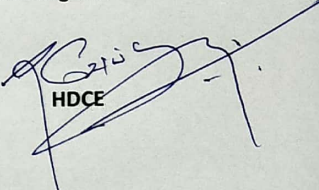**Faculty Feedback Analysis Report**
Academic Year 2020-21

Sl.No.	Course Name	Course Designer	Topics to be added/to be removed/to be modified	Justification
1.	18CE510	Dr. D. Brindha	CO1: Content on tests and specification for mineral and chemical admixtures can be included	Modern day concretes are mostly produced with the admixture. The addition of this topic would help the students to select the admixtures for specific applications.
			CO5: Introduction to Service Life Estimation can be included	Will enable to know the process involved in service life estimation of new and existing concrete structures.
			CO6: The topic on fibre reinforced concrete can be included	In practical application fibre reinforced concrete is most used for industrial floorings. The inclusion of this topic would benefit the students
2.	18CE260 Building Materials and Technology	Dr.G.Chitra Mr.S.Kannan Mr. D. Rajkumar	CO3: Topic on masonry design requirements as per IS1905 can be included	Will help the students to select the suitable masonry units for specific applications
			CO2: Topics on Plastics and Polymers in construction, admixture paints, sealants and adhesives; Water proofing materials, Glass and FRP can be included. Loads on buildings asper IS 875, IS 1893 can be included	These modern materials have large usage in field applications.
			Modern building materials	As these materials involved in modern construction and the materials offer significant potential to minimize the construction waste and energy and also construction time.
3.	18 SEGB0 Finance for Engineers	Dr.V.Ravisankar	Separate heading on Personal finance can be added.	--

4.	18CE560 Design of Steel Elements	Dr.S.ArulMary Ms.G.Celine Reena	Weightage for CO1 & CO2 need to be modified.	CO2 – To address Apply level in evaluation the weightage need to be revised.
5.	18CERN0 Design of Steel Structures	Dr.S.ArulMary Ms.G.Celine Reena	Weightage for CO3 & CO4 need to be modified.	CO3 – To address Apply level in evaluation the weightage need to be revised.
6.	18CE490 Project Management	Dr.G.Chitra & Ms. T. Karthigaipriya	• Topic on Earned Value Management under CO5 to be removed • Content related to risk and communication management under CO5 to be handled briefly only	• EVM is a complex concept at IV semester level • Owing to voluminous content
7.	18CE620 Highway and Railway Engineering	Dr. R. Velkennedy	• The railway engineering COs can be removed and moved to another subject which can be Railways, airport and docks. The current subject can be called Highway and Pavement engineering	• Since the syllabus is extensive, the railway engineering Portion can be removed
8.	18ES690 Engineering Design Project	Dr. S. J. Thiruvengadam Dr.S.Saravanaperumaal Dr.C. Jeyamala	More details on learning resources to be included in syllabus	Not much clarity on learning resources
9.	18CE530- Accounting and Finance	Dr.R.Sivasankaran Mr.S.Rajkumar	CO3: Problems on Master budget can be added	On the completion of the course student can have a flavor of preparing master budget once he enters industry.
			CO5: Graphical based working capital can be added	Primary working capital and Temporary working capital for the company needs to be identified and based on fluctuation value of money concept of working capital can be clearly identified.
10.	18CE340 Water Supply Engineering	Dr.T.VelRajan Ms.K.Keerthy	CO1 & CO2 can be joined together. CO5 can be split into 2 COs	• CO2 contains minimum topics to cover. So, it can be joined together with CO1. • CO5 treatment is the heart of the course and scope to teach more topics. So it can be split into 2COs.

11.	18CE440 Wastewater Engineering	Dr.T.VelRajan Ms.K.Keerthy	CO2 and CO3 can be joined together CO5 can be split into 2 COs	• CO2 & CO3 are calculation of generation of storm and domestic waste water. So, they can be in one CO. • CO5 contains more topics to cover and also, they are very much important to the course
12.	18CE330 – Fluid Mechanics	Dr.T.Baskaran & Mr.M.Ramasamy	Pressure on curved surfaces	To cater the need of IES and GATE syllabus
13.	18CEPT0- Engineering Hydrology	Dr.T.Baskaran & Mr.M.Ramasamy	Flood Routing	It is added in the revised and recent syllabus of GATE and IES

Action Plan:

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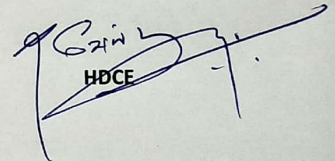
HDCE

THIAGARAJAR COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
M.E STRUCTURAL ENGINEERING

Faculty Feedback Analysis Report
Academic Year 2020-21

Sl.No.	Course Name	Course Designer	Topics to be added/to be removed/to be modified	Justification
1.	18SEPQ0 STRUCTURAL STEEL DESIGN	Dr.S.ArulMary Ms.G.Celine Reena	CO4 & CO5 need to be replaced by Plate girder design and members subjected to combined effects	CO4 & CO5 is included in 18SEPM0- Industrial Structures
2.	18SE140 DYNAMCIS OF STRUCTURES	Dr.S.ArulMary Dr.R.Ponnudurai	CO5 to be removed. MDOF - Modal analysis can be incorporated.	CO5 is already addressed in 18SEPQ0 – Aseismic Design of Structures

Action Plan:

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

HDCE

THIAGARAJAR COLLEGE OF ENGINEERING
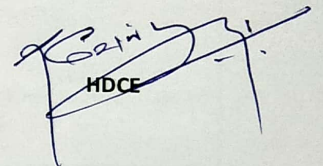**DEPARTMENT OF CIVIL ENGINEERING**
M.E ENVIRONMENTAL ENGINEERING

Faculty Feedback Analysis Report
Academic Year 2020-21

Sl.No.	Course Name	Course Designer	Topics to be added/to be removed/to be modified	Justification
1.	18 EN140 Solid and Hazardous waste Management	Dr.V.Ravisankar	**Topics to be added** 1) Mainstreaming circularity in waste management can be added. 2) Good practices in entrepreneurship and innovation in MSWM 3) Best practices in waste management **Topics to be Removed** 1) Optimizing waste allocation 2) Handling and segregation of waste at source **Topics to be Modified** 1) Treatment of biomedical Waste can be modified into Treatment of special waste, which comprises plastic waste management, C&D Waste Management and e- waste management for two lecture hours. 2) Recycling and Reuse can be added with source reduction of waste 3) Health consideration in the context of operation of facilities can be modified in to socio economic aspects of waste management. 4) Leachate and landfill gas management can be added with Landfill bio reactor. 5) Site selection for landfill can be added with Landfill classification, types and methods. 6) Elements of integrated waste management , roles of stakeholders and PPP for waste management can be modified into Financing mechanism in IMSWM including circular financing And Public private partnership in IMSWM.	New concept of Circular economy is the mantra nowadays Swatch bharat mission -1 success stories can be shared to the students. Addressed in collection analysis Addressed in material separation and processing technology To accommodate the lecture hours some topics are Combined

2.	18ENPUO Transport of Water and Wastewater	Dr.T.VelRajan Ms.K.Keerthy	Software application part can be included CO3	After studying the concepts exploring the software knowledge helps them for better understanding and work further, rather than teaching as a last module.

Action Plan:

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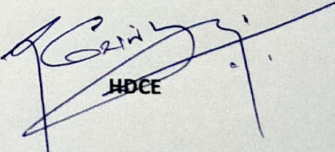
HDCE

THIAGARAJAR COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
M.E INFRASTRUCTURE ENGINEERING AND MANAGEMENT

Faculty Feedback Analysis Report
Academic Year 2020-21

Sl.No.	Course Name	Course Designer	Topics to be added/to be removed/to be modified	Justification
1.	18IMPD0 Construction Equipment Management	Dr.G.Chitra & Ms. T. Karthigaipriya	• Brief history only to be addressed related to Peurifoy's method and Phelps' Method of optimizing productivity under CO4 • Only brief concept of Linear scheduling method addressed under CO5 • Development of resource package to be removed under CO5	• Since they are all primitive techniques only • Since not very appropriate to this CO5
2.	18IM140 Quantitative Methods in Management	Dr.G.Chitra	• Solution of LPP using excel sheets to be included	• In touch with latest technological trends
3.	18IMPA0 Contracts and Arbitration	Dr. G.Chitra & Mr.M.A.Ravindharraja	• Guest lectures by field experts on topics related to case studies to be introduced	• For better understanding of concept through real time case studies
4.	18IM260 Project Planning and Control	Dr. G.Chitra	• CO11 can be removed	• Since practical part is supported with Primavera, PERT cannot be done with this software

Action Plan:

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

HDCE

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI

DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE

REPORT ON COURSE FEEDBACK BY FACULTY

ACADEMIC YEAR : 2020-2021, Odd Semester

General Observations	• 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

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	Fully basics of differentiation and integration, already the students have learned in their higher secondary classes. It can be removed
19DS120	Applied Physics	-	-	-
19DS130	Digital Electronics	-	-	-
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	Excel Spread Sheets Demonstration	-	-
19DS320	Linear Algebra	-	-	-
19DS330	Organizational Theory And Behaviour	-	Some topics related to HR A-lyrics may be added. In that case, availability of course books to be verified.	-
19DS340	Advanced Data Structures	Amortized complexity, Analysis part of heaps, Application of disjoint sets	Graph data structures are not introduced in 19DS230 and 19DS340. Also none of the courses introduces sorting algorithms. Instead of Set, Graphs can be introduced	
19DS350	Computer Organization	Integer Division	-	-
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 Course outcomes are not good ; We need to change	Binomial heap and disjoint sets; Instead binary heap and more graphs problems shall be include in experiments;

Alwik D /3/2/2022
TLP Coordinator

parasaran
HODAMCS 3/1/2022

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI

DEPARTMENT OF APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE

REPORT ON COURSE FEEDBACK BY FACULTY

ACADEMIC YEAR : 2020-2021, Even Semester

General Observations	• 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

Course code	Course Name	Challenging topics	Course contents that can be added/modified	Course contents that can be removed
19DS210	Theory of Probability	-	-	Unit 1 can be removed as they have studied in higher secondary
19DS220	Transforms and its Applications	-	-	-
19DS230	Data Structures	Binary trees	Course outcomes need to be modified. There are some specific applications given in the syllabus that can be given under the topic of case study.	Need so much of time to complete the syllabus and practice new algorithms. Group work shall be given. online coding platforms shall be used effectively
19DS240	Object Oriented Programming	-	-	More Projects shall be discussed
19DS250	Graph Theory	-	-	-
19DS270	Object Oriented Programming Lab			
19DS280	Data Structures Lab	Hash table; time of completion is challenging;	-	Set experiment shall be removed;
19DS410	Abstract Algebra	-	-	In some units like Rings and Fields more theoretical concepts are there. It can be removed
19DS420	Applied Statistics			
19DS430	Design And Analysis Of Algorithms	-	-	-
19DS440	Operating Systems			
19DS450	Predictive Analytics	Auto regression, Wald test, ARIMA Models;	Course outcomes should be rewritten to reflect the content	-
19DS480	Design and Analysis of Algorithms Lab	-	-	-

Anitha A /3/1/2022
TLP Coordinator

Parasuram 3/1/2022
HODAMCS

THIAGARAJAR COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

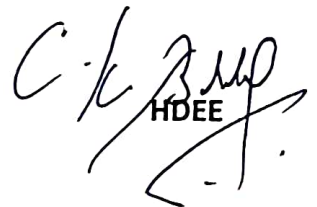## TEACHER/FACILITATOR FEEDBACK ANALYSIS

ACEDEMIC YEAR 2020-21

All the courses are considered important and relevant to industry and society. Content of all the courses corresponding to COs are appropriate. Contribution of course content to design thinking and critical analysis is mostly found very good. All the faculty found adequate time for effective coverage of syllabus/lab experiments. Faculty are competent taking online classes effectively. Faculty reports few challenges in online assessment.

Moodle and Google classroom are the different learning management systems (LMS) used by the faculty. The usage of online interactive tools such as mentimeter, slido etc are reported. Software simulations, Videos from websites and screen casting videos are also used for teaching and learning.

A separate curriculum for lateral entry students is proposed to improve the learning. Content in the PG course "Power System Dynamics and Stability" may be slightly modified according to the Bloom's level.

Action taken report based on previous analysis:

The report is disseminated to course designers and will be considered in the forth coming BOS.

HDEE

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI - 625 015

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

Department of Mechatronics Engineering

Report on Course Feedback by Faculty

In Mechatronics Department, course Feedback for the courses have been collected from the respective faculty members for the academic year 2018- 2019,2019-2020,2020-2021. The feedback points are as follows

1. Proficiency level of Student in prerequisites
   - 18MTPB0 – Micro electromechanical Systems
2. Contribution of course content to design thinking and critical analysis:
   - 18MT340 – Thermal Fluid Engineering
3. Innovative Teaching and learning methods used by MECT faculty Members
   - Collaborative learning is used as the design project is done in team,.
   - Tinker CAD for simulation.
   - Vlab.co.in used for virtual experiments.
   - ICT Tools Usage (Pear deck, Google classroom, Slide).
   - Moodle platform used for course management.
   - Collaborative learning for assignment.
   - Case study and worksheet used for assessment.
   - Active Learning.
   - Peer Coaching.
   - Used Moodle for content sharing and assessment
4. Innovative assessment methods followed to measure Course outcomes at higher levels
   - Design Portfolio Presentation.
   - Flipped classroom for assignment.
   - programming for industrial problems.
   - Assignment using Mat lab tool for modelling of motors, Assignment on practical uses of motors. (CNC, ROBOTS, EV vehicle)
   - Report submission for each experiment.
   - Student presentation and report submission on System Hierarchy.
   - Requirement Management Tool and System Modelling Language.
   - Mini Project on implementing simple IoT application related to Industrial Application.
   - Mini Project in CAD modelling of MEMS components and suggestion of appropriate fabrication.
   - Activity submission on apply level questions, Mini project on designing Analog circuits for specific applications using Tinkercad process.

5. Modern teaching Tools used
   Tools usage like: FESTO FLUIDSIM, AUTOMATION STUDIO 6.2, INDRAWORKS PLC, PICOSOFT, TINKERCAD

6. Course Contents that can be added
   - 18MT440 – SENSOR AND MEASUREMENTS - To add More topics on signal conditioning
   - 18ES290- LATERAL THINKING - UNO SDG goals - for mapping the case studies with SDG gaols
   - 18MT280 – WORKSHOP – (Analog Circuit Design can be added)
   - 14MT770 – System integration, Theory cum practical course need to be converted into theory and practical course
   - 18MT220 – Synchronous Reluctance motor can be added
   - 18MT680 – ROS (Robot Operating System)

7. Course Contents that can be removed
   - 18MT340- Thermal and Fluid Engineering - Entropy Topic can be removed
   - 14MT720 – Unmanned Aerial Vehicles -The Mathematical part in the subject can be reduced to make it more interesting
   - 18MT510 - Control systems -Implementation of case studies using control systems
   - 18MT620 – CNC Technology - Three phase induction motor – Construction, Characteristics, Speed control methods, VFD, Axis Drive – AC Servo motor, Construction, Characteristics, Closed loop position control. Feedback devices – Rotary encoder, linear scale encoder, proximity sensor, synchronous resolver. (These contents are already covered in Electrical Machines, Sensors and Power Electronics and Drives)

8. Any other Suggestions for improvement in Content Delivery/course content/assessment

   14MT720 – Unmanned Aerial Vehicles - The subject is felt difficult for all the students. An expertise in avionics and aeronautical engineering can be used for teaching the students. 18MT510- Exposure to control lab can be introduced in parallel

HDMCT