## Department of Electrical and Electronics Engineering

### Feedback on Curriculum and Action taken

(Academic Year: 2019-2020)

| Stakeholder | Feedback | Action Taken |
|---|---|---|
| Student | More exposure to practical knowledge may given | Internship is made mandatory for the batch of students admitted from 2018 onwards. |
| | GATE coaching may be arranged | In addition to the inclusion of competitive questions in CIA, GATE classes are also organized. |
| Faculty | Circuit simulation tool can be introduced and be used to carry out experiments. | Conduction of experiments using simulation tool in addition to bread board design is encouraged. |
| | Drive content be included with lab component for the course Power Electronics | New equipments are added in Power Electronics Laboratory |
| Alumni | Introduction of new courses in the emerging areas | The following New courses are introduced.<br>• E-Mobililty<br>• Electrical safety<br>• Power system restructuring and deregulation. |
| | Latest topics which are required in the industry to be included in curriculum | Industry specific topics are in introduced with the guidance of Alumni and Industry nominee in BoS/ CDCSS |
| Employer | Rigorous training required in programming languages | Training programs are arranged enhancing programming skills |

HoD/EEE

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## Department of Automobile Engineering

## Faculty Feedback

### Observations and Action taken Report

### Academic Year : 2019 -2020 / Odd Semester

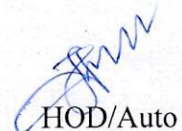| Observations | Action taken |
|---|---|
| 15AD23 - Off Road Vehicles / Study of all terrain vehicle and other construction site vehicles may be included. | Discussed in CDC/BOS meeting and implemented |
| 15AD19 – vehicle Maintenance / Module – I, carriage practices may be included.<br><br>Module – II, Engine maintenance schedule may be included instead of engine assembly.<br><br>Maintenance and servicing of tires and tube can be included. | Discussed in CDC/BOS meeting and implemented |
| 15AE03 - Design for Manufacture and Assembly. Practice of DFMA using software may be included | Discussed in CDC/BOS meeting and implemented |

HOD/Auto

## Department of Automobile Engineering

### Faculty Feedback

### Observations and Action taken Report

### Academic Year : 2019 -2020 / Even Semester

| Observations | Action taken |
|---|---|
| 17AD16 – Vehicle Body Engineering – Module III – Upholstery work may be included in the trim. | Discussed in CDC/BOS meeting and implemented |
| 17AE11 – Special Machines – 3D printing technologies may be included | Discussed in CDC/BOS meeting and implemented |
| 18AE15 – Applied Thermodynamics – Module III, Steam turbine topics may be removed. Multistage compression may be included. | Discussed in CDC/BOS meeting and implemented |
| 18AD19 – Automotive Chassis – Module III – Integrated vehicle chassis control system topic may be included | Discussed in CDC/BOS meeting and implemented |

HOD/Auto
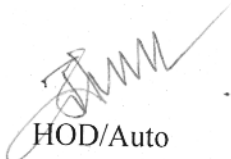
## Department of Automobile Engineering

### Course End Survey

### Observations and Action taken Report

### Academic Year 2019-2020 (ODD & EVEN Semester)

### Batch: 2016 -2020    Year: III  IV

| Observations | Action taken |
|---|---|
| Few students suggested to include various engine reconditioning methods in laboratory experiments | |
| Students suggested to include the study of cylinder reboring methods in laboratory | Included in the next regulation in the course Vehicle maintenance |
| Students suggested to add experiments related to engine head/valve services | |

HOD/Auto

# Department of Automobile Engineering

## Employer Survey

## Observations and Action taken Report

## Batch: 2016 -2020

| Observations | Action taken |
|---|---|
| Employers indicated the lack of confidence in the students. | Additional training were planned to improve the confidence level of the students of succeeding batch. |
| The employer insisted to improve the communication skills | Informed the class handling faculty to provide necessary training sessions to improve the communication skills |

HOD/Auto

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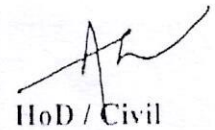Rediscover | Refine | Redefine
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## Department of Civil Engineering

## Action Taken Report on Alumni Survey

**Batch: 2015-2019**

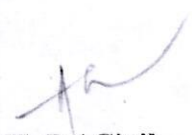| S. No. | Suggestions | Inference | Action Taken |
|---|---|---|---|
| 1. | Advanced software for analysis and design can be given. | Courses such as Tekla Structures can be offered and taught by the industrial experts. | 18CF09Tekla Structures course has been introduced in Regulation 2018. |

HoD / Civil

# DEPARTMENT OF CIVIL ENGINEERING

## ACTION TAKEN REPORT ON EXIT SURVEY ANALYSIS

Batch: 2015

| S. No. | Suggestions for improvement | Inference | Action Taken |
|---|---|---|---|
| 3. | Tekla Structures can be taught to the students. | A course on Tekla Structures can be added in R2018 curriculum. | The course 18CF09 / Tekla Structures is included in R2018 curriculum. |
| 4. | Advanced surveying techniques can be taught to the students. | A course on Digital Surveying can be added in R2018 curriculum. | The course 18CF08/Digital Surveying is introduced in R2018 curriculum. |

HoD / Civil

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Updation in Detailed Syllabi from Surveys

#### 2019-20

**Course End Survey**

| Name of Course | Feedback/Remarks by Student | Action Taken |
|---|---|---|
| 15PF50 Project Phase I | More training needed for communication | A soft skill training program is conducted. |
| 17PE21 – Machine Learning | Lab Sessions can be included | Suggestions are considered and syllabus revision will be carried out in forthcoming CDC. |
| 17PD10 – Data Warehousing and Data Mining | No. of the practical sessions can be minimized | The lab component in R2018 has been removed and the weightage of the course has been increased refer 13th AC vol. 2, pg. 639. |
| 18PD02 – Data Structures | Need more practical sessions. | Mini-project and contest conducted for the various disciplines |
| 18PD13 – Java Programming | Need more practice sessions. | Mini-project given to the students. |
| 18PD08 – Computer Architecture | Portions were more to study all concepts | Suggestions are considered and syllabus revision will be carried out in forthcoming CDC. |
| 18PD03 – Operating systems | Could not learn more theory portions. | Suggestions are considered and syllabus revision will be carried out in forthcoming CDC. |
| 17PE32-Web Application Development using Python | Need to include more lab sessions. | Suggestions are considered and syllabus revision will be carried out in forthcoming CDC. |
| 18PD05 – Database Management Systems | Need more real time examples and practical exercises | To be discussed in forthcoming CDC. |
| 18Pd13 – Java Programming | Need more practical exercises | To be discussed in forthcoming CDC. |
| 18PD02 – Data Structures | Need more real time examples | To be discussed in forthcoming CDC. |
| 18PE05 – Design and Analysis of Algorithms | Need more practical on algorithm analysis Need some more problem solving case studies | To be discussed in forthcoming CDC. |
| 18PE18 – Web Application Development using Java | Need more advanced programs | To be discussed in forthcoming CDC. |
| 17PE12 – Unix and Shell Programming | Number of lab experiments can be reduced. | To be discussed in forthcoming CDC. |

| | | |
|---|---|---|
| 17FD21 – Mobile Computing and Communication | Topics can be reduced. | To be discussed in forthcoming CDC. |

| Alumni Survey | Action Taken |
|---|---|
| • Suggestion to give training in Python and Communication Skills.<br>• Student's recommended providing training on finding logic and root cause for the problem.<br>• Suggested to improve practical knowledge than theory. | • All the inputs of the alumni are considered to put forth in CDC. |

| Exit Survey | Action Taken |
|---|---|
| • More lab sessions are required for advanced topics.<br>• Need more Hands on training sessions.<br>• More training can be given to improve communication standards | • All the inputs of the exit survey are considered to put forth in CDC. |

| Employer survey | Action Taken |
|---|---|
| * Suggested to frame the curriculum with innovative topics.<br>* Suggested to include design topics in curriculum.<br>* Suggested to frame the syllabus to improve the practical knowledge and include application oriented topics in syllabus.<br>* Curriculum may be designed to execute the real time for current scenario and trends. | The latest trending courses like Streaming Analytics, Data Analytics courses, Robotic Process Automation and Linux Administration is introduced for the R2018 (refer 14th AC pg. v and vi) |

| Faculty Feedback | | Action Taken |
|---|---|---|
| 17PE32 – Analytics with R Programming alongside with Visualization | Hands on Session will give better output | To be discussed in forthcoming CDC. |
| 18PD05 – Database Management System | Need more practical sessions, also need basic for PL/SQL Statement | To be discussed in forthcoming CDC. |
| 15PD12 – Unix and Shell Programming | More basic commands in Unix to be added in module 1. | To be discussed in forthcoming CDC. |
| 17PD03 – Operating Systems | In Module I contents can be reduced, weightage for introduction about OS can be reduced. | To be discussed in forthcoming CDC. |
| 17PD28 –Apache Spark with Scala | More real time use case to be discussed | To be discussed in forthcoming CDC. |
| 18PD21 – Streaming Analytics | Advanced topics like Kafka streaming can be included | To be discussed in forthcoming CDC. |
| 18PD13 – Java Programming | Queue implementation to be included | To be discussed in forthcoming CDC. |
| 18PE05 – Design and Analysis of Algorithms | Maximum subarray topic can be included in Module II and III, since it will be good to show running time difference using different design techniques | To be discussed in forthcoming CDC |
| 18PD15- Data Communication and Computer Networks | Simulation experiments need more time | To be discussed in forthcoming CDC |
| 18PE18 - Web Application Development using Java | Spring framework related topics may be included | To be discussed in forthcoming CDC |
| 17PE17 – Human Computer Interaction | Case studies in Ergonomics can be included | To be discussed in forthcoming CDC |
| 18PD09 – Software Engineering | Concepts like UML behavioral modeling can be included. | To be discussed in forthcoming CDC |

HOD

# DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

## EXIT SURVEY FINDINGS FOR (2015-2019) BATCH

24-6-2019

**Observation:**

- More core courses are needed
- May give importance for extracurricular activities
- Develop additional facilities in programming laboratories.
- Hands-on training is required
- Improve placement in core sector
- More practical knowledge needed in Simulation software packages like LabVIEW and MATLAB

**Inference:**

- Additional core courses may be given for interested students
- Lab facilities in Industrial automation may be improved
- Core sector placement may be improved
- Additional facilities in programming laboratories may be developed
- Knowledge in Simulation software packages may be given

**Action taken Report:**

- Value added courses in LabVIEW , programming with Arduino offered for interested students
- Hands-on training in Industrial Automation was done
- Additional computer facility was arranged in programming laboratories
- Core placements were arranged by the department
- Through value added courses, Simulation software packages have been taught.

HoD/EIE

## DEPARTMENT OF INFORMATION TECHNOLOGY

### Action Taken Report 2019- 20

**EMPLOYER SURVEY  - 2019-20**

| S.No. | Suggestions from Employer | Action taken |
|-------|---------------------------|--------------|
| 1 | suggested to include lab sessions for core courses to gain indepth knowledge. | Will be incorporated for the upcoming CDC / BOS meeting |
| 2. | suggested to introduce new technologies in the curriculum and value added courses beyond the regular curriculum. | |
| 3. | suggested students should improve their communication skills and presentation skills to survive in this field. | |
| 4. | suggested to introduce more advanced programming courses in the curriculum and give training for decision making in critical situations. | |

**EXIT SURVEY :**

| S.No. | Suggestions from students | Action taken |
|-------|---------------------------|--------------|
| 1 | suggested to provide practical exposure and include new technologies in the syllabus. | Will be incorporated for the upcoming CDC / BOS meeting |
| 2. | suggested to provide more industry supported courses in the curriculum to get exposure in latest trends. | |
| 3 | suggested to include advanced programming courses and training needed to improve communication skills. | |
| 4. | suggested to include competitive exam core courses to be included into the curriculum for GATE and other exam preparations. | |

## FACULTY FEEDBACK

| S.No. | Suggestions from Faculty | Action Taken |
|-------|--------------------------|--------------|
| 1 | Operating Systems - Need tutorial or extra classes to cover all the problems for deeper understanding. | Will be incorporated upcoming CDC /BOS. |
| 2. | Object Oriented Analysis and Design - current topics can be included , such as object oriented methodologies , software quality auurance , imapct of object oriented on testing | |

**HOD /IT**

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## Department of MCA    2019 - 2020

| Type of Survey | Points Suggested | Action Taken | Implementation | Further Action |
|---|---|---|---|---|
| Employer Survey | Soft skills Considered as Part of curriculum Value added course included update based on current trends Deeplearning & New Technologies in core to be updated | Will be implemented in Next Regulation | Implemented in R2020 | |
| Course Feedback by faculty | Problem solving techniques Can be added & Security related courses need to be included. | will be implemented in next Regulation | R2020. | |
| Exit Survey | New technologies & current emerging topics must be included in Core | will be implemented in next regulation | R2020. | |
| Alumni survey | NIL | NIL | — | |
| Parent Survey | NIL | NIL | — | |

## Department of MCA

| Type of Survey | Points Suggested | Action Taken in [Next Regulation] | Implementation | Further Action |
|---|---|---|---|---|
| Course End Survey | Current trends Courses to be added | new courses are included. | R 2020. | |
| Course Feedback by faculty | Data base management - credit must be increased | credit increased to 3 from 2 | R 2020 | |
| Exit Survey | Programming Courses and Angular Js, Mongo DB must be added. | Angular Js is included in Advanced web Tech. Mongo DB added in the syllabus | R 2020. | |
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