

# ADITYA ENGINEERING COLLEGE

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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

## 1.1.3 Highlighted BOS Meeting Minutes (Department wise) for the academic year 2018-2019

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## Department of Civil Engineering

Date: 28-11-2018

### Minutes of III BOS meeting conducted on 26-11-2018

The III meeting of the Board of Studies of Civil Engineering Department was held on 26/11/2018 at 10 AM in the Conference Hall, Ajivika, Bill Gates Bhavan AEC Mr. P.Ravi Kishore, Chairperson presided over the meeting.

The members discussed the agenda items and made the following resolutions.

#### **Agenda 3.1: Welcome address by Chairman**

Mr. P. Ravi Kishore, Chairman of BOS, invited all the distinguished members of BOS to the III BOS meeting.

#### **Agenda 3.2: Ratification of the previous Board of Studies meeting.**

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 04/11/2017.

#### **Agenda 3.3: Discussion on proposed V, VI, VII and VIII semesters of B.Tech (CE) Programme (AR17) syllabus and finalization of the same.**

- After long discussion with the BOS members on the programme structure of B.Tech (CE), the following suggestions are given:

#### **VI SEMESTER**

1. Geotechnical Engineering – I
  - Suggested to include the sentence 'basic concepts of engineering properties of soil.
  - Reference book editions should be updated.
2. Water resource engineering- II
  - Web link 3 is to be verified.
3. Pre stressed concrete
  - Text books new editions to be updated.
  - New code to be included.
4. Pavement analysis and design
  - Action verb - Design to be included in course outcomes.
  - Overall revision in outcomes.
  - IS code year to be mentioned, IRC 101.
5. Repair and rehabilitation of structures
  - Headings to be in Bold-Uniformity.
  - Unit – I to be elaborated related to environment.
6. Ground improvement techniques
  - Credits - 2 is to be modified as credits - 3.
  - UNIT 5 use grouting techniques instead of Grout techniques.
7. Finite Element method
  - Publication year to be mentioned in reference book 2.
8. Earthquake resistant Design
  - Add case studies at the end of the course.
9. Irrigation design drawing
  - Irrigation structures wooden models to be procured.

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- In Final exam pattern asked should be modified by given.

## VII SEMESTER

1. Geotechnical Engineering – II
  - Suggested that in future I and II to be removed by specific names of the courses like foundation engineering and soil mechanics etc.
2. Environmental Engineering
  - Water quality standards IS10500-2012 to be included.
  - Text book Environmental Engineering by Howard Poveyetal.
3. Remote sensing and GIS application
  - Equipment like separate lab and hand GPS Equipment need to be purchased.
4. Estimation specifications and contracts
  - Rate analysis by SSR method to be included.
5. Watershed management
  - Models to be specified.
6. Bridge Engineering
  - IRC code to be included.
  - Clarify inclusion of BGML Bridge in the course.
7. Environmental Impact and management
  - Unit-I full form of EIA to be given.
8. Environmental Engineering lab
  - Physical parameters like colour and odour to be included using basic sense organs.
  - BOD is to be included along with DO experiment.
9. GIS and CAD lab
  - In 2<sup>nd</sup> experiment cantilever beam is to be merged along with simply supported beam.

## VIII SEMESTER

1. Solid and Hazardous waste management
  - Occupational health Hazards and public health and aesthetics are to be included in the syllabus.
2. Air pollution and control
  - Noise pollution to be included in the syllabus.

## MOOCs

- Courses should be approved by the concerned HOD applicable to the current semester.
- Minimum duration of the course is to be specified by the HOD.
- MOOCs can be registered in the preceding semester for the current semester.
- The percentage of new courses introduced in the academic year.2018-19 for B. Tech (CE) is 3.23 %. The list of new courses is enclosed as Annexure-I.
- The percentage of courses revised in the academic year 2018-19 for B. Tech (CE) is 15.05 % and M. Tech (Structural Engineering) is 14.81%. The list of courses revised are enclosed as Annexure II.

  
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**Agenda 3.4: General discussion on AICTE model curriculum,**

- Department has presented a model draft curriculum (AR19) with reference to AICTE model curriculum.
- Detailed discussion on AICTE model curriculum (AR19) will be carried in next BOS meeting.

**Agenda 3.5: Analysis of Students Feedback & Action Taken Report**

BOS chairperson has expressed that the student feedback and action taken report process is done at the end of each semester. The BOS members noted the same.

**Agenda 3.6: Analysis of the feedback on curriculum from stakeholders**


The BOS Chairperson presented the analysis report of stakeholders' feedback on Curriculum. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure III.

**Agenda 3.7: Analysis of Results**

The BOS chairperson presented the results. The BOS members appreciated the faculty for achieving better pass percentages.

**Agenda 3.8: Any other item/s**

1. The BOS members suggested that unless NPTEL course are not upgraded and it is not advisable to give the students credit for qualifying those courses. However, these courses can be used as a supplementary source of reading.
2. The BOS members discussed the courses that enhance the student entrepreneur skills.
3. Self-reading needs to be promoted, for which establishment of MOUs with some reputed universities; & courses offered by which will be considered by awarded credits if the students successfully complete those.
4. Seminars should be incorporated from the 1<sup>st</sup> year of the program.
5. The BOS members discussed the elective courses, suggested that Open Electives should be decided at the college level offered by various departments to various other Departments and they should be open to all.
6. Department LAB manual is to be included in the reference books for all LABS.

  
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**Agenda 3.9: Discussion on the value-added courses offered for students and ratification of the same.**


BOS members approved the list of value-added courses offered to students


**Agenda 3.10: Scheduling of the next BOS meeting.**

The next BOS meeting is tentatively scheduled in the month of November 2019.

**Agenda 3.11: Vote of Thanks**

Prof. P. Ravi Kishore, BOS Chairperson thanked the members for the successful completion of BOS III.

  
Head of the BOS Chairperson  
Dept. of Civil Engineering  
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## Department of Civil Engineering

### Annexure -I

#### List of New Courses in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (CE)	V	R1631011	Management Science
2	B. Tech (CE)	III	171HS3A10	Employability Skills - I
3	B. Tech (CE)	IV	171HS4A11	Employability Skills – II

  
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## Department of Civil Engineering

### Annexure -II

#### List of Courses Revised in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (CE)	III	171BS3T10	Probability and Statistics
2	B. Tech (CE)	III	171CE3T02	Surveying
3	B. Tech (CE)	III	171CE3L01	Surveying Lab
4	B. Tech (CE)	III	171ES3L03	Strength of Materials Lab
5	B. Tech (CE)	IV	171CE4L02	Fluid Mechanics and Hydraulic Machinery Lab
6	B. Tech (CE)	IV	171HS4A04	Managerial Economics and Financial Analysis
7	M. Tech (Structural Engineering)	II	172SE2E02	Mechanics of Composite Material
8	M. Tech (Structural Engineering)	II	172SE2E09	Fracture Mechanics
9	M. Tech (Structural Engineering)	II	172SE2E10	Industrial Structures
10	M. Tech (Structural Engineering)	II	172SE2E12	Earth Retaining Structures

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## Department of Civil Engineering

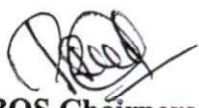
### Annexure III

#### Action taken report on Stakeholders Feedback in the Academic Year 2018-2019

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	3.2	Include the subject of Industrial Waste Management in the engineering.	We will try to add the mentioned subject based on the replies we have obtained.
		Pre-casting, pre-fabrication, and white topping are some of the most recent and innovative materials that can be learned through industry experience	We will organize the industry visit based on the reviews we have received.
		It is better to provide GATE classes in the after the college hours or in summer vacation.	Civil Department organizing the GATE training for the interested and fast Learning students.
2	3.9	Practical site knowledge required regarding surveying and mapping to be improved to students.	As a measure of improving the practical knowledge approach in students in solving the demine problems, total station camp report submission introduced in the III year B.Tech program.
		Open electives, which should be available to everyone, should be determined upon at the college level and provided by various departments to various other departments.	Depending on the feedback we receive, we will also let students choose elective from other disciplines.
		Give students the option to sign up for and take NPTEL courses online.	We will shortly have an event to raise awareness of NPTEL online courses

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3	3.9	Provision to opt for a greater number of electives.	Student are allowed to opt for more than one elective in a semester
	3.9	Suggest to conduct value added courses.	In response to comments, we will provide value-added courses.
	3.2	The student syllabus is insufficient to produce advanced learning results.	We will include trending topics in the curriculum's syllabus based on feedback.
4	3.2	Improve placements for the students.	As per suggestions, placement training oriented series conducted by APSSDC, APSCHE and Infosys.
		Introduce a greater number of laboratories Classes.	Depending on the feedback, we'll start offering more lab classes.
		Introduction additional software's, such as water resources and water quality parameters	We will introduce software for water resources engineering based on the comments.

  
**BOS Chairperson**  
 Head of the Department  
 Dept. of Civil Engineering  
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## Department of Electrical and Electronics Engineering

Date: 12-11-2018

### Minutes of the III meeting of BOS scheduled on 10-11-2018

The III meeting of the BOS of EEE was held on 10-11-2018 at 10.00 AM, Ajivika Conference Hall, Bill Gates Bhavan. Dr. V. Srinivasa Rao, Chairperson presided over the meeting.

#### Agenda 3.1: Welcome address by Chairperson

Dr. V. Srinivasa Rao, BOS Chairperson invited the distinguished members of BOS to the VI BOS Meeting.

#### Agenda 3.2: Ratification of minutes of the previous Board of Studies meeting

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 12/11/2017.

#### Agenda 3.3: Discussion on proposed AR17 B. Tech (EEE) Program –VI, VII & VIII semesters syllabus and ratification of the same

The BOS members have discussed about course content in VI, VII & VIII semesters Electrical and Electronics Engineering Department subjects, suggested some minor modifications and Ratified

The following is the approved list

##### VI Semester

1. Power Electronics Controllers & Drives (171EE6T14)
2. Power System Analysis (171EE6T15)
3. Electrical Distribution System (171EE6E05)
4. Distributed Generation & Microgrid (171EE6E06)
5. Advanced Control Systems (171EE6E07)
6. PLC & Applications (171EE6E08)
7. Instrumentation (171EE6E09)
8. Power Electronics Lab (171EE6L08)

##### VII Semester

1. Utilisation of Electrical Energy (171EE7T18)
2. Power Systems Operation & Control (171EE7T20)
3. Switch Gear & Protection (171EE7T21)
4. Special Electrical Machines (171EE7E13)
5. High Voltage Engineering (171EE7E14)

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6. Electric Power Quality (171EE7E15)
7. EHVAC Transmission (171EE7E16)
8. Power Systems Simulation Lab (171EE7L09)

#### VIII Semester

1. HVDC Transmission (171EE8E17)
  2. Flexible AC Transmission System (171EE8E18)
  3. Power System Reforms (171EE8E19)
  4. Digital Control Systems (171EE8E20)
  5. Energy Audit, Conservation & Management (171EE8O02)
  6. Vehicular Electric Power Systems (171EE8O06)
- Course content for Non Conventional Energy Sources (171PT8O02) for Petroleum Technology Engineering Department and finalized as per the BOS members suggestion.
  - Course content for Electrical Safety Management (171ME8O02) for Mechanical Engineering Department and finalized as per BOS members suggestion.
  - Course content for Renewable Energy Sources (17CS8O09) for Computer Science Engineering Department and finalized as per BOS members suggestion.
  - Course content for Digital Control Systems (171EE8E20) for Agriculture Engineering Department and finalized as per BOS members suggestion.
  - The committee has recommended the department to explore possibility of offering a minor degree students may be awarded a minor degree in another discipline if they successfully complete 15 additional credits in the discipline they would like to get a minor degree subject to university approval.
  - The BOS members noted the actions that are initiated by the department to enrich the student skills.
  - The BOS members discussed about the new courses introduced, the percentage of new courses during the academic year 2018-19 for B. Tech (EEE) is 8.13%. The list of new courses enclosed below as Annexure-I.
  - The BOS members discussed about the revised courses, the percentage of courses revised in this academic year 2018-2019 for B. Tech (EEE) is 17.44% and M. Tech (PED) is 14.81%. The list of courses revised is enclosed as Annexure-II.

  
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**Agenda 3.4: Discussion on proposed AR19 B. Tech (EEE) Program & AR19 M. Tech (PED) Program as per the guidelines of APSCHE & AICTE.**

The BOS members have discussed the proposed course structure AR19 of B. Tech (EEE) and AR19 M. Tech (PED) based on the AICTE modal curriculum, suggested some minor modifications and ratified.

**Agenda 3.5: Analysis of Students Feedback & Action Taken Report**

BOS Chairperson expressed that the student feedback & action taken report process initiated at the end of each semester. The BOS members noted the same.

**Agenda 3.6: Analysis of Stakeholder's Feedback on Curriculum.**

The BOS Chairperson presented the analysis report of Stakeholder's feedback on curriculum. The BOS members noted the same and the Action Taken Report is enclosed as Annexure-III.

**Agenda 3.7: Analysis of Results**

The BOS Chairperson presented the odd and even semesters pass percentage for the A.Y.2018-2019. The BOS members noted the same.

**Agenda 3.8: Any other item/s.**

The following points were discussed.

- Dr. D. Suryanarayana expressed to include Energy Auditor certificate by Bureau of Energy Efficiency (BEE) as equivalent to Energy Audit, Conservation & Management course.
- BOS Members discussed about the elective courses, Dr. R. Srinivasa Rao suggested to include more numerical in the professional courses and elective courses based on the feasibility.
- Dr. Sivakumar K suggested to form list of elective courses as per specialization tracks which will enhance the knowledge of the student on a specific specialisation.
- Sri Sunny John Vergheese expressed that the students should be encouraged to go for industrial training.
- Mr. P. S. M. K. Reddy suggested to have guest lectures on recent technologies.


**Agenda 3.9: Scheduling of next Board of Studies meeting.**

The next BOS meeting is tentatively scheduled in the month of July 2019.

**Agenda 3.10: Vote of Thanks**

Dr. V. Srinivasa Rao, BOS Chairperson presented the Vote of Thanks.

  
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BOS Chairperson  
Head of The Department  
Dept: Of Electrical & Electronics Engineering  
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## Department of Electrical and Electronics Engineering

### Annexure-I

### List of New Courses in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (EEE)	III	171HS3A10	Employability Skills - I
2	B. Tech (EEE)	IV	171HS4A11	Employability Skills - II
3	B. Tech (EEE)	VI	R1632024	Data Structures
4	B. Tech (EEE)	VI	R163202D	Robotics
5	B. Tech (EEE)	VI	R163202E	Neural Networks & Fuzzy Logic
6	B. Tech (EEE)	VI	R1632028	Data Structures Laboratory
7	B. Tech (EEE)	VI	R1632029	Professional Ethics & Human Values

  
BOS Chairperson

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## Department of Electrical and Electronics Engineering

### Annexure-II

#### List of Courses Revised in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (EEE)	III	171EE3T02	Electrical Circuit Analysis - II
2	B. Tech (EEE)	III	171ES3T10	Thermal and Hydro Prime Movers
3	B. Tech (EEE)	IV	171EE4L03	Electrical Machines - I Lab
4	B. Tech (EEE)	V	R1631024	Pulse & Digital Circuits
5	B. Tech (EEE)	V	R1631025	Power Electronics
6	B. Tech (EEE)	V	R1631026	Electrical Machines-II Laboratory
7	B. Tech (EEE)	VI	R1632023	Micro Processors and Micro controllers
8	B. Tech (EEE)	VI	R1632026	Power Electronics Laboratory
9	M. Tech (PED)	II	172PD2E08	Reactive Power Compensation & Management
10	M. Tech (PED)	II	172PD2E09	Electrical Distribution System
11	M. Tech (PED)	II	172PD2E10	Smart Grid Technologies
12	M. Tech (PED)	II	172PD2E12	Programmable Logic Controllers & Applications

  
BOS Chairperson

Head of The Department  
Dept: Of Electrical & Electronics Engineering  
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## Department of Electrical and Electronics Engineering

### Annexure-III

## Action Taken Report on Stakeholders Feedback in the Academic Year 2018-2019

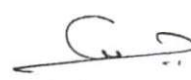
S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1.	3.3	Software programme based courses are to be introduced before VI semester. Hence, increases the opportunities of EEE students in software industry	As per the employer feedback, new software programming courses like Internet of Things, Cyber security and industry oriented courses like Internship, and programing oriented major projects will be included in the AR17 and AR19 regulations.
2.	3.4	Inclusion and coverage of GATE oriented syllabus for the EEE students that helps in attaining PSUs.	The major portion of GATE questions will be from core subjects like Power Systems and Electrical Machines. GATE oriented classes will be conducted in the above mentioned subjects.
3.	3.3	Courses on conservation of management of energy will be added to the curriculum and students should have the basic idea about energy management.	A new course named "Energy Audit, Conservation & Management" will be included in the curriculum.
4.	3.3	Application oriented software courses and skill oriented courses are to be conducted among the students.	Considering the employer feedback, necessary actions are to be taken for the students to conduct the application and skill oriented software courses
5.	3.3	The need for technical and social initiatives is necessary and enormous. If a pertinent course is added to the curriculum, students will be beneficial.	According to Alumni Feedback, a new course named "Socially Relevant Project" will be offered for the V semester students.
6.	3.8	Students are to be encouraged for industrial training, that shares the knowledge of industry in real life.	Necessary measures will be made among the students and they will be encouraged to take active part in it.
7.	3.8	Guest lectures are to be conducted among the students	Based on alumni feedback, the department is going to conduct guest

  
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			lectures from the reputed institutions and industry sector.
8.	3.3	The need for technical and social initiatives is necessary and enormous.	Taking alumni feedback into consideration, students are encouraged to do the projects that are useful in solving real life problems.
9.	3.3	The software and hardware knowledge must be balanced by introducing more courses related to simulation and demo oriented expert talks.	A skill oriented course named "Design of Electrical Circuits using Engineering Software Tools" will be presented in AR17, AR19 curriculum.
10.	3.4	Advanced discipline courses need to be introduced in the curriculum for fast learners.	Honors programs are introduced for the fast learners in AR19 curriculum.
11.	3.3	Modifications in the course structure of V, VI, VII and VIII semesters is suggested.	Considering Teacher feedback, the modifications of semester V, VI, VII and VIII semesters will be made.
12.	3.3	Faculties have suggested some minor changes in the proposed course structure of AR19 M.Tech	Based on the suggestions given by the faculty, changes in the course structure of AR19 M.Tech will be modified.
13.	3.8	Include the new courses that shares information and generates the power in a eco-friendly manner.	As per the students suggestions, new courses such as Non-Conventional energy sources, Renewable energy sources, will be included in the AR17 curriculum
14.	3.4	Coding courses are to be included in the curriculum so that students can gain the knowledge of coding.	New value added courses like "Simulation of Electrical Circuits using MATLAB, PCB Design Using ORCAD Capture" will be added in the curriculum.
15.	3.8	Students are requested to from the list of elective courses as per specialization tracks.	Considering student's suggestion, the list of elective courses as per specialization tracks will be added in the curriculum.
16.	3.8	Students are encouraged to know the coding that helps in gaining jobs	As per the students/parents suggestions, EEE related software course like MATLAB will be thought to the students in Lab sessions.

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**BOS Chairperson**  
 Head of The Department  
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## Department of Mechanical Engineering

Date: 14-11-2018

### Minutes of the III meeting of BOS scheduled on 12-11-2018

The III meeting of the BOS (Board of Studies) of ME was held on 12-11-2018 at 10:00 AM in the Ajivika Conference Hall, Bill Gates Bhavan, AEC. Prof. A. Saravanan, chairperson presided over the meeting.

#### **Agenda 3.1: Welcome address by Chairperson-BOS**

Prof A.Saravanan, BOS chairperson invited the distinguished members of BOS to the III BOS Meeting.

#### **Agenda 3.2: Ratification of minutes of the previous Board of Studies meeting**

The members of BOS have ratified the points discussed in the previous Board of Studies meeting held on 30/11/2017.

#### **Agenda 3.3: Discussion on proposed AR17 B.Tech(ME) Program- VI, VII & VIII semesters syllabus and ratification of the same**

BOS members approved the syllabus of VI, VII & VIII Semester Syllabus and ratified the same.

After long discussion with the BOS members on the syllabus, the following suggestions are made:

#### **VI Semester**

- Suggested to keep a note in Refrigeration & Air conditioning for allowing psychometric charts in external examinations
- Suggested to keep Dynamometers in Metrology & Instrumentation and control systems in any elective of the curriculum.
- Suggested to include grippers in unit -II and proximity sensors in unit -IV of Robotics
- Suggested to include welding symbols in Design for Manufacturing
- Suggested to introduce types of testing and introduction to destructive testing in Non-Destructive Testing
- Suggested to replace Beam Machining in unit V of unconventional machining process by Radiant Energy Machining.

  
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- Suggested to verify size of the accumulators and intensifiers in unit-III of Industrial Hydraulics & Pneumatics.
- Suggested to include boring and internal threading operations in drilling on lathe experiment and delete gear cutting on slotter in augmented experiments
- Suggested to replace Composite slab by Composite material in second experiment of Heat Transfer Lab

#### **VII Semester**

- Suggested to remove Fluid flow problems, 2D Heat and Structural problems in Finite Element Methods.
- Suggested to replace heading of unit-II by Diesel Power Plants & Gas Power Plants.
- Suggested to remove Jet Propulsion in Gas dynamics and Jet Propulsion
- Suggested to remove induction motors in fault diagnostics, thermal images in thermography of condition monitoring
- Suggested to keep material handling in FMS in place of material transportation.
- Suggested to replace NC Lathe by CNC Lathe.

#### **VIII Semester**

- Suggested to remove Basic Design Methods of Heat Exchangers in Unit-I, shell and tube heat exchangers in Unit-II of Thermal Equipment Design
- The members of BOS discussed and ratified the list of new courses. The percentage of courses introduced in the academic year 2018-19 for B.Tech (ME) Program is 6.09%. The List of courses introduced is enclosed as Annexure-I.
- The members of BOS discussed and ratified the revision of syllabus. The percentage of courses revised in the academic year 2018-19 for B.Tech (ME) Program is 16.25% and for M.Tech (TE) Program is 6%. The List of courses revised is enclosed as Annexure-II.

#### **Open Electives offered by Mechanical Engineering:**

1. Computer Science Engineering and Information Technology
  - I. Robotics
  - II. Nano technology and its applications
  - III. Operations Research
- Suggested to add robot programming in Unit-II and remove programming languages and software packages in Unit-V of Robotics.
2. Electronics and Communications Engineering
  - I. Green Fuel Technologies
  - II. Robotics
  - III. Alternative Energy Sources

  
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- Suggested to add robot programming in Unit-II and remove programming languages and software packages in Unit-V of Robotics.
- 3. Civil Engineering
  - I. Green Fuel Technologies
  - II. Green Energy Systems
- No suggestions are made for above subjects.
- 4. Agricultural Engineering
  - I. Computational Fluid Dynamics
  - II. Industrial Engineering and Management
  - III. Operation Research
- IV. Production technology for Agricultural Machinery
  - Suggested to remove equations governing Fluid Flow and heat transfer of Unit-II, Finite difference applications in Conduction and Convection of CFD.
  - Suggested to remove Total Quality Management in Industrial Engineering and management
  - Suggested to remove Mechatronics System in Unit-I and add some sub topics in PLCs in Unit –IV of Mechatronics
  - Suggested to follow JNTU Syllabus of Production Technology for Agricultural Machinery
- 5. Petroleum Technology
  - 1. Alternate Energy Source for Automobiles
  - 2. Computational Fluid Dynamics
  - Suggested to remove equations governing Fluid Flow and heat transfer of Unit-II, Finite difference applications in Conduction and Convection of CFD.
- 6. Electrical and Electronics Engineering:
  - 1. Robotics
  - 2. Optimization Techniques
  - Suggested to add robot programming in Unit-II and remove programming languages and software packages in Unit-V of Robotics.
- 7. Mining Engineering
  - 1. Robotics
  - 2. Mechanical Engineering Lab
  - Suggested to add robot programming in Unit-II and remove programming languages and software packages in Unit-V of Robotics which helps the student to get more placement opportunities.
  - Suggested to remove Study of Boilers and Moment of Inertia of Fly Wheel Experiments in Mechanical Engineering Lab.

  
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**Agenda 3.4: Discussion on the proposed AR19 B.Tech (ME) Program&AR19 M.Tech (TE) Program as per the guidelines of APSCHE&AICTE**

- The BOS members approved the proposed AR19 B.Tech (ME) Program&AR19 M.Tech Program as per the guidelines of APSCHE&AICTE

**Agenda 3.5: Discussion on MOOCS Courses in the curriculum and ratification of the same.**

- BOS members ratified the courses MOOCS-I in V Semester and MOOCS-II in VI Semester in the curriculum.

**Agenda 3.6: Discussion on AICTE Approved Model Curriculum on 2018-2019 Academic year and ratification of the same.**

BOS members suggested to discuss the Model Curriculum of AICTE in the next schedule BOS meeting.

**Agenda 3.7: Analysis of student's feedback & Action taken Report**

BOS Chairperson expressed that the student feedback & action taken report process was initiated at end of each semester.

**Agenda 3.8: Analysis of stakeholder's feedback on Curriculum**

BOS Chairperson presented the analysis report of stakeholder's feedback on Curriculum. The BOS members noted the same and the action taken report is enclosed in Annexure III.

**Agenda 3.9: Discussion on Analysis of results**

The BOS chairperson presented odd semester pass percentage for the A.Y.2018-2019. The BOS members noted the same.

**Agenda 3.10: Any other item with the approval of Chairman.**

NIL


**Agenda 3.11: Scheduling of next Board of Studies meeting.**

The next BOS meeting is tentatively scheduled in the month of July 2019.

**Agenda 3.12: Vote of Thanks**

Prof A. Saravanan, BOS Chairperson presented the Vote of thanks.

  
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BOS Chairperson  
Head of the Department  
Department of Mechanical Engineering  
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## Department of Mechanical Engineering

### Annexure-I

#### List of New Courses in the Academic Year 2018-19

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ME)	III	171HS3A10	Employability Skills – I
2	B. Tech (ME)	IV	171HS4A11	Employability Skills – II
3	B. Tech (ME)	V	R1631036	Theory of Machines Lab
4	B. Tech (ME)	VI	R163203A	Entrepreneurship
5	B. Tech (ME)	VI	R1632038	Computational Fluid Dynamics Lab

  
BOS Chairperson

  
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Head of the Department  
Department of Mechanical Engineering  
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## Department of Mechanical Engineering

### Annexure-II

#### List of Courses Revised in the Academic Year 2018-19

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ME)	III	171ES3T11	Mechanics of Solids
2	B. Tech (ME)	III	171ES3L05	Basic Electrical and Electronics Engineering Lab
3	B. Tech (ME)	III	171ES3L06	Mechanics of Solids and Metallurgy Lab
4	B. Tech (ME)	IV	171ME4T05	Design of Machine Members – I
5	B. Tech (ME)	IV	171ME4T06	Industrial Engineering and Management
6	B. Tech (ME)	IV	171ME4T07	Machine Drawing
7	B. Tech (ME)	IV	171ME4L01	Production Technology Lab
8	B. Tech (ME)	IV	171ES4L07	Fluid Mechanics & Hydraulic Machinery Lab
9	M. Tech (TE)	II	172TE2E12	Advanced Automobile Engineering
10	M. Tech (TE)	II	172TE2E16	Equipment Design for Thermal Systems

BOS Chairperson

Head of the Department  
Department of Mechanical Engineering  
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## Department of Mechanical Engineering

### Annexure III

#### Action Taken Report on Stakeholders Feedback in the Academic Year 2018-19

S. No.	Agenda Item No.	Stakeholders Recommended	Action Taken
1	3.13	Introduce employability skills as a part of curriculum so that students can be industry ready.	As suggested from the employer, employability skills has be implemented in the upcoming semesters.
2	3.8	Better to add GD & T related to Machine Drawing so that student may have knowledge on production symbols.	Introduced limits, fits, tolerances to Machine Drawing subject.
3	3.3	Better to introduce advanced material testing experiments so that student may have good knowledge on materials and its properties.	As per suggestions and discussions made with the professionals and dean academics, fatigue testing has be added to the material science lab.
4	3.3	It has be an added advantage if student had knowledge on advanced testing and materials.	As per the suggestions received, Non – Destructive Evaluation and Nano Technology has be introduced.
5	3.8	It is better to know how the operations are managed in the industries.	As per the suggestions received, Industry Engineering & Management has be introduced to the curriculum.
6	3.8	Please reduce the DMM syllabus.	As per suggestions and discussions made with dean academics, necessary action has be implemented.

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7	3.8	Should be aware of the latest drafting and engineering techniques.	According to the suggestions, and changes from time to time, Engineering drawing subject name can be revised.
8	3.3	Students must have knowledge on the fuels and its types.	According to the suggestions, experiment on the fuels has be added to the lab when discussion made with the experts and professors.
9	3.8	Better to introduce additional industry oriented courses to enhance the student skill.	As per the suggestions, value added courses has be introduced to have skill oriented training.
10	3.3	As more topics included in the design of machine members – 1, it is better to reduce the topics	As per the feedback received and discussions made, revision of the subject has be initiated.
11	3.7	Please remove dress code to the last semester students.	As per the suggestion received, necessary action has be implemented.
12	3.7	Better to provide additional training on subjects to beat the competitive exams.	As per suggestion received and discussions made with dean academics, GATE classes has be introduced.
13	3.8	Student participation is required for the project to be completed successfully.	As per suggestions, projects are encouraged for students and various industry visits will be planned.
14		Better to provide more electives.	As per the suggestions, more PE's and OE's will be introduced.
15		It is better to change the question paper pattern in the semester examination.	As suggested and discussion with experts, to overcome the deficiency new question paper will be formulated for the final semester examination.
16	3.7	Better to provide more technical sessions, webinars on advanced topics.	As suggested, industrial orientation sessions from industry experts and global engineers will be initiated.

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BOS Chairperson  
Head of the Department  
Department of Mechanical Engineering  
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## Department of Electronics and Communication Engineering

Date: 11-11-2018

### Minutes of the III meeting of BOS scheduled on 10-11-2018

The III meeting of the BOS of Electronics and Communication Engineering Department was held on 10-11-2018 at 09.30 AM.

The Members discussed the agenda items and made the following resolutions.

#### **Agenda 3.1: Welcome address by Chairman**

Prof. G. Sridevi, Chairman of BOS, invited all the distinguished members of BOS to the first BOS meeting..

#### **Agenda 3.2: Ratification of minutes of the previous Board of Studies meeting**

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 11-11-2017.

#### **Agenda 3.3: Discussion on proposed course syllabus of each course in B.Tech V, VI, VII and VIII semesters.**

The BOS members have discussed about course content in, VI, VII & VIII semesters of Electronics and Communication Engineering Department subjects, suggested some minor modifications and Ratified

- Suggested to change the title of the course "DSP Processors and Applications" as "DSP Processors and Architectures".
- Suggested to make the students to do programming experiments as assignments and the interfacing experiments to be performed in Lab sessions in MPMC lab in VI semester.
- Suggested to prepare evaluation process in internship program based on individual or group of students of VII semester.
- Suggested to plan two MOOCS courses for the students with the duration of at least 16 weeks (4+12 or 8+8 or 10+6) before the completion of VII semester.
- Suggested to allocate 4 hours to practical session and evaluate student performance on the basis of objective and subjective evaluation for the major project of VIII semester.
- The BOS members discussed the courses which improved the skill set of the students.

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- The BOS members discussed the new courses which focus on new trend and technologies. Percentage of new courses introduced in the academic year 2018-2019 for B.Tech (ECE) is 5.56 %. The percentage of courses revised in the academic year 2018-2019 for the B.Tech (ECE) is 16.66%, M.Tech (VLSI Design) is 10.7% and M.Tech(ES) is 6.66%. The list of new courses is enclosed as Annexure-I and revised courses as Annexure II.

**Agenda 3.4: Discussion on proposed program structure AR19 B.Tech (ECE), AR19 M.Tech (VLSI Design) & AR19 M.Tech (ES) based on the AICTE model curriculum.**

The BOS members have discussed the proposed course structure of AR19 B.Tech (ECE), AR19 M.Tech (VLSI Design) & AR19 M.Tech (ES) based on the AICTE model curriculum and the members Suggested to prepare a credit plan for the Humanity sciences courses, Basic Sciences Courses, Professional Core Courses, and Professional Elective Courses and Open elective Courses in line with AICTE model curriculum.

**Agenda 3.5: Ratification of the proposed model question paper for sessional and external examinations of B.Tech (ECE), M.Tech (VLSI Design) and M.Tech (ES) programs.**

BOS members have approved the model papers for the internal and external examinations for the pattern and ratified the same.

**Agenda 3.6: Finalization of names of reputed institution for setting question paper and valuation of answer scripts.**

BOS members accepted the list consisting of the names of reputed autonomous institution for setting question paper and valuation of answer scripts and ratified.

**Agenda 3.7: Analysis of results.**


The BOS Chairperson presented the odd and even semesters pass percentage for the A.Y.2017-2018. The BOS members noted the same.

**Agenda 3.8: Analysis of Students feedback and action taken report.**

Students feedback and actions taken report is presented by the BOS chairperson to the BOS members and BOS members approved the same.

**Agenda 3.9: Analysis of Stakeholder's Feedback on Curriculum.**

Analysis of Stakeholder's Feedback on Curriculum is presented by the BOS, chairperson to the BOS members and BOS members noted the same and the Action Taken Report is enclosed as Annexure-III.

  
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**Agenda 3.10: Any other item/s with the approval of Chairperson.**

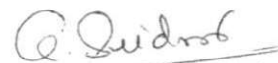
- Suggested to reduce Employability skills credits from 4 to 2 and ratified.
- Suggested to replace Industrial oriented mini project in IV Year I Semester with Internship Program with a period of 2 to 3 weeks with 2 credits and ratified.

**Agenda 3.11: Scheduling of next Board of Studies meeting.**

The next BOS meeting is tentatively scheduled in the month of July 2019.

**Agenda 3.12: Vote of Thanks**

Prof. G. Sridevi, BOS Chairperson presented the Vote of thanks.



**BOS Chairperson**

Head of the Department  
Department of E.C.E.  
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## Department of Electronics and Communication Engineering

### Annexure-I

#### List of New Courses in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ECE)	III	171HS3A10	Employability Skills - I
2	B. Tech (ECE)	IV	171HS4A11	Employability Skills – II
3	B. Tech (ECE)	VI	R163204B	Data Mining
4	B. Tech (ECE)	VI	R163204C	Industrial Robotics
5	B. Tech (ECE)	VI	R163204E	Power Electronics



BOS Chairperson

  
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Head of the Department  
Department of E.C.E.  
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## Department of Electronics and Communications Engineering

### Annexure-II

#### List of Courses Revised in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ECE)	III	171HS3T04	Managerial Economics and Financial Analysis
2	B. Tech (ECE)	III	171EC3L01	Electronic Devices and Circuits Lab
3	B. Tech (ECE)	III	171ES3L08	Networks and Electrical Technology Lab
4	B. Tech (ECE)	IV	171EC4L03	Analog Communications Lab
5	B. Tech (ECE)	V	R1631042	Digital I C Applications
6	B. Tech (ECE)	V	R1631048	Digital I C Applications Lab
7	B. Tech (ECE)	VI	R1632047	VLSI Lab
8	M.Tech (ES)	I	172EM1E02	Sensors and actuators
9	M.Tech (ES)	I	172EM1E05	Device drivers
10	M.Tech(VLSID)	I	172EM1E01	Cyber security
11	M.Tech(VLSID)	I	172VD1E02	CPLD/FPGA architecture and applications
12	M.Tech(VLSID)	II	172VD2E04	CAD for VLSI



BOS Chairperson

Head of the Department  
Department of E.C.E.

  
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## Department of Electronics and Communication Engineering

### Annexure III

### Action Taken Report on Stakeholders Feedback

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	3.14	IT industry is one of the rapidly growing industries. Accommodate more relevant courses in the curriculum so that the students can meet the industry requirements.	DATA MINING is included in open elective so that it can be opted by the students who are interested in choosing their career towards IT industry.
2	3.14	IC design industry is rapidly growing and provides vast opportunities. Students should be encouraged in this aspect.	A course is included in the curriculum facilitating an insight to the domain.
3	3.14	Encourage students to visit industries and corporate work places so that they can inculcate the industry requirements in them personally.	Will be discussed with the concerned body for providing space for such activities to be a part of curriculum only with proper approval.
4	3.14	Include courses which will help the students in getting through competitive exams and placements as well.	Employability skills I and II in the III and IV semesters respectively are introduced to facilitate this suggestion.
5	3.14	Suggestions made by alumni to include small-scale project works to inculcate technical skills in the students.	Suggestion will be taken to the concerned body and necessary action will be taken by the expertise with proper approval.
6	3.14	Suggested to invite core companies such as domain specific companies more in number for placements.	This will be discussed and necessary action will be taken by the expertise.
7	3.14	facilitate more industrial training sessions and engage the students with more live projects.	This will be incorporated in the revised syllabus in the upcoming regulation.
8	3.14	Make sure theory course and lab related to the theory appears in the	Exercise will be done on this suggestion and with proper



		same semester.	approval by the expertise, it will be looked into.
9	3.14	In the course Linear IC Applications unit III and unit V are really tough to be dealt by an average student. And also, the content is large. This may be changed in favour of an average student with expertise suggestion.	Will be discussed with the expertise and necessary changes will be made if needed.
10	3.13	Students are very much enthusiastic in practical and project-oriented courses. It will help the student community if courses related to these are included in the curriculum.	Students will come across INDUSTRIAL ROBOTICS and POWER ELECTRONICS in their VI semester to provide practical exposure in them.
11	3.13	Requested for more industrial visits to be incorporated in the curriculum.	Will be discussed with the expertise and necessary changes will be made if needed.
12	3.13	Suggestions are recommended by students to change the exam paper pattern.	Taking students feedback into account, and looking into the possibilities with the expertise suggestions, this will be discussed thoroughly.
13	3.14	Incorporate courses in the curriculum so as to get the students ready to meet the industry requirements.	Suggestion will be discussed with the concerned body and will bring the changes with proper approval.
14	3.14	Include courses which will help the students in getting through competitive exams and placements as well.	Suggestion will be discussed with the concerned body and will bring the changes with proper approval.
15	3.14	Course content should be in such a way that the students can get ready for placement point of view and also higher studies.	Will be discussed with the concerned body for facilitating the suggestion.
16	3.13	Students are very much enthusiastic in practical and project-oriented courses. It will help the student community if such courses are included in the curriculum.	Suggestion will be taken forward and will be discussed with the concerned body for necessary inclusions.
17	3.14	Incorporate courses in the curriculum so as to get the students ready to meet the industry requirements.	Suggestion will be discussed with the concerned body and will bring the changes with proper approval.
18	3.14	Include courses which will help the students in getting through competitive exams and	Suggestion will be discussed with the concerned body and will bring the changes with



	placements as well.	proper approval.
4	Course content should be in such a way that the students can get ready for placement point of view and also higher studies.	Will be discussed with the concerned body for facilitating the suggestion.
3	Students are very much enthusiastic in practical and project-oriented courses. It will help the student community if such courses are included in the curriculum.	Suggestion will be taken forward and will be discussed with the concerned body for necessary inclusions.

  
B-OS Chairperson

Head of the Department  
Department of E.C.E.  
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## Department of Computer Science and Engineering

Date: 19-11-2018

### Minutes of the III meeting of BOS scheduled on 17-11-2018

#### Agenda 3.1: Welcome address by Chairman

Prof. A. Vanathi, BOS Chairman invited the distinguished members of BOS to the III BOS Meeting.

#### Agenda 3.2: Ratification of the previous Board of Studies meeting.

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 25/11/2017.

#### Agenda 3.3: Discussion on proposed AR17 B.Tech (CSE) Program - VI, VII & VIII semesters syllabus and ratification of the same.

The BOS members approved the AR17 B.Tech (CSE) VI, VII and VIII semesters syllabus after making the following changes in the proposed syllabi.

- Suggested to include an experiment at the end of Web Technologies Lab to implement the real time web application by including all security issues.
- Suggested to explore more tools in Data Mining Lab.
- Suggested to include web links like course era in Pattern Recognition course.
- Suggested to reduce the Unit II RAID Topic in Storage Area Network course as it is already discussed in Computer Organization course. Suggested to adjust the syllabus and balance the load for two sessional exams.
- Suggested to include payment gateways in Unit II in Ecommerce Course.
- Suggested to reduce syllabus of design patterns in UML & Design Patterns Course and also to remove topics like Fly weight from structural Pattern and Iterators and template methods from Behavioural pattern.
- Suggested to revise the lab experiments of UML & DP Lab.
- Suggested to include distributed transactions in the Distributed Database course.
- Suggested to include WBS (Work Breakdown Structure) in UNIT III in Software Project Management Course.
- Suggested to include filters, salt & pepper, Gaussian and noisy removal techniques in Color Images in Image Processing Course.
- Suggested to remove Collections and Generics topics, EJB and concentrate on ASP.net in Middleware Technologies Course. Suggested to include .net core as it works on any operating System.

  
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- Suggested to include Regression, Bayes Theorem, remove Decision trees and to change the text book as Tom M Mitchel instead of Oliver Theobad in Artificial Intelligence and Machine Learning Course.
- Suggested to include burned down and burned up topics and to include Ken Schwaber as main Text book in Agile Methodologies Course.
- Suggested to make the Cloud Computing Course as core subject instead of Elective and Distributed System as Elective instead of Core Subject.
- BOS members ratified the elective course system that is being implemented.
- Suggested to include any one of cloud DB like Mango DB in Cloud Computing Course.
- Suggested to teach the practical application of cloud deployment in the Cloud Computing.
- Suggested to include dimensionality reduction, optimization, bagging and boosting concepts in Soft Computing Course.
- The percentage of new courses introduced during the academic year 2018-19 for B. Tech (CSE) is 9.78 %. The list of new courses is enclosed as Annexure-I.
- The percentage of courses revised in the academic year 2018-19 for B. Tech (CSE) is 19.57 % and M. Tech (CSE) is 8 %. The list of courses revised are enclosed in Annexure II.
- Suggested to consider the syllabus of Computer Networks, DBMS, data Structures, Computer Organization, Java, Unix & Shell Programming, Internet of Things, Neural Networks & Fuzzy Logic and Operating Systems Courses of CSE as same for these courses in the other departments also.

#### **Agenda 3.4: Discussion on the proposed AR19 B. Tech (CSE) Program & AR19**

##### **M. Tech (CSE) programs as per the guidelines of APSCHE & AICTE**

The members of BOS suggested that we can have detailed discussion on AR19 in the next BOS meeting.

#### **Agenda 3.5: Discussion on the value-added courses offered for students and ratification of the same.**

BOS members approved the list of value added courses offered to students.

#### **Agenda 3.6: Analysis of Students Feedback & Action Taken Report**

BOS Chairperson presented the student feedback percentage and action taken report and the members noted the same.

  
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### **Agenda 3.7: Analysis of Stakeholder's Feedback on Curriculum**

The BOS Chairperson presented the analysis report of Stakeholder's feedback on curriculum. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure-III.

### **Agenda 3.8: Analysis of Results**

The BOS Chairperson presented the odd and even semesters pass percentage for the A.Y.2017-2018. The BOS members noted the same and appreciated.

### **Agenda 3.9: Scheduling of next Board of Studies meeting.**

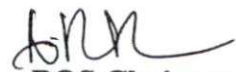
The next BOS meeting is tentatively scheduled in the April 2019.

### **Agenda 3.10: Any other item with the approval of Chairman.**

- Suggested to include latest editions of text books.
- Approved the Employability Skills-III & Employability Skills-IV in V & VI semesters
- Suggested to Remove why, what and? from the syllabus
- Advised to teach beyond the course content.
- Suggested to include recent technologies like Block Chain in electives.
- Suggested to fix no of hours for subject to teach as 48 to 54 hrs and for electives 44-48 hrs.
- Suggested to reduce the industry gap by including the latest technologies which improves placements.

### **Agenda 3.11: Vote of Thanks**

- Prof. A. Vanathi, BOS Chairperson presented the Vote of thanks.



**BOS Chairperson**

**Head of the Department**

**Department of CSE**

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## Department of Computer Science and Engineering

### Annexure-I

#### List of New Courses in the Academic Year 2018-19

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (CSE)	III	171HS3A10	Employability Skills - I
2	B. Tech (CSE)	IV	171HS4A11	Employability Skills - II
3	B. Tech (CSE)	VI	R163205B	Internet of Things
4	B. Tech (CSE)	VI	R163205C	Cyber Security
5	B. Tech (CSE)	VI	R163205D	Digital Signal Processing
6	B. Tech (CSE)	VI	R163205E	Embedded Systems
7	B. Tech (CSE)	VI	R163205F	Robotics
8	B. Tech (CSE)	VI	R1632056	Network Programming Lab
9	B. Tech (CSE)	VI	R1632057	Software Testing Lab

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BOS Chairperson

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## Department of Computer Science and Engineering

### Annexure-II

#### List of Courses Revised in the Academic Year 2018-19

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (CSE)	III	171BS3T08	Mathematical Foundations of Computer Science
2	B. Tech (CSE)	III	171CS3T02	Statistics with R Programming
3	B. Tech (CSE)	III	171CS3L01	Object Oriented Programming Lab
4	B. Tech (CSE)	III	171CS3L02	Advanced Data Structures Lab
5	B. Tech (CSE)	IV	171CS4T05	Software Engineering
6	B. Tech (CSE)	IV	171CS4T10	Computer Organization
7	B. Tech (CSE)	IV	171CS4L03	Java Programming Lab
8	B. Tech (CSE)	IV	171CS4L04	Database Management Systems Lab
9	B. Tech (CSE)	VI	R1632054	Software Testing Methodologies
10	M. Tech (CSE)	I	172CO1E02	Advanced Operating Systems
11	M. Tech (CSE)	II	172CO2E06	Digital Image Processing

  
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## Department of Computer Science and Engineering

### Annexure-III

### Action Taken Report on Stakeholders Feedback in the Academic Year 2018-19

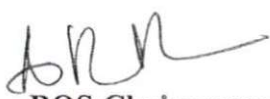
S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	3.7	Suggested to take courses focusing on recent trends.	It is decided to opt the elective course as Internet of Things and Cyber Security for the VI semester students.
		Need to improve the industry interaction.	To make the students aware of industry environment industry Visit and guest lectures by Industry experts are arranged on a regular basis. Internship though it is not mandatory, but the students are encouraged to do.
		Need to motivate students for participation in paper presentation and quiz competition	Motivated students to attend paper presentation and quiz competition with required facilities are provided.
2	3.7	Suggested to take courses focusing on recent trends.	It is decided to opt the elective course as Internet of Things and Cyber Security for the VI semester students.
		Need to improve the industry interaction.	To make the students aware of industry environment industry Visit and guest lectures by Industry experts are arranged on a regular basis. Internship though it is not mandatory, but the students are encouraged to do.
		Need to motivate students for participation in paper presentation and quiz competition	Motivated students to attend paper presentation and quiz competition with required

			facilities are provided.
3	3.7	Suggested to take courses focusing on recent trends.	It is decided to opt the elective course as Internet of Things and Cyber Security for the VI semester students.
		Need to improve the industry interaction.	To make the students aware of industry environment industry Visit and guest lectures by Industry experts are arranged on a regular basis. Internship though it is not mandatory, but the students are encouraged to do.
		Need to motivate students for participation in paper presentation and quiz competition	Motivated students to attend paper presentation and quiz competition with required facilities are provided.
4	3.6	Some topics of Aptitude and reasoning are not covered in the syllabus.	Employability Skills III & IV is revised , and modified.
		Need more industry Interaction	It is decided to take the students for industrial visit. The Internship is also made mandate for every students to complete.
		Arrange guest lectures of working practitioners in recent technologies.	Guest lectures of other university/Institute were arranged for students and teachers.
5	3.7	Suggested to give awareness on work environment	Students are encouraged to work in team to get better communication.
		Students need to be aware of industry exposure	Invited resource persons from industries were made to address the students
		Conduct more tests on formative assessment.	Conducted weekly tests on formative assessment.

  
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6	3.7	Entrepreneurship development programmes may be conducted.	Training on “Business Skill Development for Women Entrepreneurs” was conducted by IQAC.
		Focus more on Employability	Career guidance and placement programs are included in the course.
7	3.7	Case study approach may be introduced. Group assignments and projects to be given.	Case study assignments were given to the students. Group assignments and projects were given Interdepartmental projects were carried out.
		To fill the gaps with the industry needs, syllabus need to be modified.	Syllabus was modified according to the needs of the software industries.
8	3.6	Faculty-student interaction may be enhanced. Smart class programmes may be made effective.	Learning Management System through interactive activities which enables the mutual interaction between faculty and student was encouraged. Smart Class rooms, Video conferencing etc.
		Increase internship opportunities to build practical work experience and improve coding skills	To improve the coding skills, courses like Python programming, Data Structures through C, Object Oriented Programming through C++ are included with advanced software platforms.

  
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## Department of Information Technology

Date:19-11-2018

### III BOS Minutes of Meeting held on 17/11/2018

The 3<sup>rd</sup> meeting of the BOS for IT was held on 17<sup>th</sup> November 2018 at 10.00AM, Ajivika Conference Hall, Bill Gates Bhavan. Mr. M. Raja Babu, Chairperson presided over the meeting.

#### Agenda 3.1: Welcome address by Chairperson-BOS.

Mr. M. Raja Babu, BOS Chairperson invited the distinguished members of BOS to the III BOS Meeting.


#### Agenda 3.2: Ratification of minutes of the previous Board of Studies meeting

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 25/11/2017.

#### Agenda 3.3: Discussion on proposed AR17 B.Tech(IT) Program – VI,VII&VIII semester syllabus and ratification of the same.

The members of BOS ratified the AR17 VI, VII&VIII Semesters B. Tech(IT) syllabus after incorporating the following changes:

- Suggested to add POP3 before SMTP in Computer Networks.
- Include an experiment at the end of Web Technologies Lab to implement the real time web application by including all security issues.
- Suggested to use more tools in Data Mining Lab.
- Include web links like course era in Pattern recognition.
- Suggested to include payment gateways in Unit II in E-commerce Course.
- Suggested to include distributed transactions in the distributed database.
- Suggested to include WBS( Work Breakdown Structure) in UNIT- III in Software Project Management.
- Include filters, salt& pepper, Gaussian and noisy removal techniques in Color Images in Image Processing.
- Suggested to include burned down and burned up topics and to include Ken Schwaber as main Text book in Agile Methodologies.
- Suggested to make the Cloud Computing as core subject instead of Elective.
- Suggested to include any one of cloud DB like Mango DB in Cloud Computing Course.

  
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- Suggested to teach the practical application of cloud deployment in the cloud computing.
- Suggested to include dimensionality reduction, optimization, bagging and boosting concepts in Machine Learning.
- Suggested to use open-source tools for UML Lab in addition to Rational Rose.
- Members of BOS ratified the new courses offered in B.Tech (IT). The percentage of new courses introduced in the academic year 2018-2019 for B.Tech (IT) is 9.75 %. The list of new courses is enclosed as Annexure-I.
- The syllabus revision done in B.Tech (IT) program based on Stakeholder's Feedback on Curriculum and the BOS members approved the same. The percentage of courses revised in this academic year 2018-2019 for B.Tech (IT) is 25.06 % and M.Tech (Software Engineering) is 3.84 %. The list of courses revised is enclosed as Annexure-II.

**Agenda 3.4: Discussion on the proposed AR19 B.Tech Program & AR19 M.Tech program as per the guidelines of APSCHE & AICTE.**

The members of BOS ratified the AR19 B.Tech (IT) Program & AR19 M.Tech (Software Engineering) program as per the guidelines of APSCHE & AICTE.

**Agenda 3.5: Discussion on the courses having focus on employability/entrepreneurship/skill development in B.Tech(IT) and M.Tech(SE) programs and ratification of the same.**

Members of BOS ratified the the courses having focus on employability/entrepreneurship/skill development in B.Tech(IT) and M.Tech (Software Engineering) programs.

**Agenda 3.6: Discussion on B.Tech (IT) and M.Tech (Software Engineering) programs in which Choice Based Credit System(CBCS)/Elective course system is being implemented and ratification of the same.**

Members of BOS ratified the B.Tech (IT) and M.Tech (Software Engineering) programs, in which Choice Based Credit System(CBCS)/elective course system is being implemented.

**Agenda 3.7: Discussion on the value-added courses offered for students and ratification of the same.**

Members of BOS ratified the value-added courses offered for students.

**Agenda 3.8: Analysis of Students Feedback & Action Taken Report**

The Chairperson expressed the students' feedback and action taken report. Members of BOS noted the students' feedback and action taken report process initiated at the end of each semester. The BOS members noted the same.

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### **Agenda 3.11: Analysis of Stakeholder's Feedback on Curriculum**

The BOS Chairperson presented the analysis of Feedback on Curriculum which is taken from the various Stakeholders. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure-III.

### **Agenda 3.12: Analysis of Results**

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2017-18 and ratified the same.

### **Agenda 3.13: Any other item/s**

- Suggested to follow the competitive exams pattern partially in preparation
- Suggested to Include latest editions of textbooks for the Courses.
- Suggested to include labs for the courses like Cloud Computing, IOT, Neural Networks and Machine Learning.
- Suggested to Remove why, what and? from the syllabus.
- Advised to teach beyond the course content by discussing need and applications of topics in industry.
- Suggested to Include recent technologies like Block Chain in electives.
- BOS members discussed about the elective course, Suggested to Fix no of hours for subject to teach as 48 to 54 hrs and for electives 44-48 hrs.
- Suggested to focus on the courses, which intern enhance the skill set of the students.
- Suggested to offer the open elective subjects as MOOCS courses in VIII Semester

### **Agenda 3.14: Scheduling of the next BOS meeting.**


The next BOS meeting is tentatively scheduled in the month of April/May 2019.

### **Agenda 3.15: Vote of Thanks**

The Chairperson presented the Vote of Thanks.

  
BOS Chairperson

*Head of the Department*  
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## Department of Information Technology

### Annexure I

#### List of New Courses in the Academic Year 2018-19

S. No	Program	Semester	Course Code	Course name
1	B. Tech (IT)	III	171HS3A10	Employability Skills -I
2	B. Tech (IT)	IV	171HS4A11	Employability Skills -II
3	B. Tech (IT)	IV	171IT4T01	Language Processors
4	B. Tech (IT)	V	R1631121	Human-Computer Interaction
5	B. Tech (IT)	VI	R1632121	Data Mining
6	B. Tech (IT)	VI	R1632123A	Social Networks and Semantic Web
7	B. Tech (IT)	VI	R1632123B	Operations Research
8	B. Tech (IT)	VI	R1632126	Data Mining Lab

  
BOS Chairperson

*Head of the Department*  
Department of IT  
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## Department of Information Technology


### Annexure II

#### List of Courses Revised in the Academic Year 2018-19

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (IT)	III	171BS3T08	Mathematical Foundations of Computer Science
2	B. Tech (IT)	III	171CS3T02	Statistics with R Programming
3	B. Tech (IT)	III	171CS3L01	Object Oriented Programming Lab
4	B. Tech (IT)	III	171CS3L02	Advanced-Data Structures Lab
5	B. Tech (IT)	IV	171CS4T05	Software Engineering
6	B. Tech (IT)	IV	171HS4T05	Management Science
7	B. Tech (IT)	IV	171CS4T10	Computer Organization
8	B. Tech (IT)	IV	171CS4L03	Java Programming Lab
9	B. Tech (IT)	IV	171CS4L04	Database Management Systems Lab
10	B. Tech (IT)	V	R1631124	Unix and Operating Systems Lab
11	B. Tech (IT)	VI	R1632125	Software Testing Lab
12	B. Tech (IT)	VI	R1632054	Software Testing Methodologies
13	M. Tech (SE)	I	172SO1T03	Software Project and Process Management

  
Bos Chairperson

Head of the Department  
Department of IT  
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## Department of Information Technology

### Annexure III

#### Action Taken report on Stakeholders Feedback in the Academic Year 2018-19

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	3.3	Include courses that will make students industry-ready.	Web Technologies, Data Ware Housing & Data Mining, Big Data Analytics, and Cloud Computing courses will be introduced.
2	3.13	Include courses that should focus on Artificial Intelligence and its sub domains	Artificial Intelligence, Neural Networks, and Machine Learning courses will be introduced.
3	3.10	Include courses that can improve student management skills for the real-time industry.	Suggestions will be considered, and a management science course will be introduced.
4	3.3	Include some trending courses that should provide employability and also knowledge on a specific domain	Image Processing, Information Retrieval Systems, Decision Support Systems, Agile Methodologies, Cyber Security, and Distributed Databases courses will be introduced.
5	3.10	Should have basic knowledge of different domains.	Professional Ethics & Human Values and Mathematical Optimization course has been introduced.
6	3.10	Suggested to include more lab courses for practical purpose	Suggestions will be taken into account and Software Engineering Lab will be introduced.


  
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7	3.13	Elective Courses should have a blend of courses which have a focus on employability and domain knowledge	In each professional elective course 2 subjects focus on employability and 2 subjects focus on providing domain knowledge.
8	3.13	Include open elective courses to make the students work in interdisciplinary domains	10 different open elective courses have been introduced.
9	3.10	Include some courses that will make the students able to work on new technologies and innovations	As per suggestion, Robotics course will be included.
10	3.3	Design and Analysis of Algorithms and Machine Learning courses should be made as professional courses as they are having more weightage in getting placement.	Taken into consideration and can be implemented in the next regulation.
11	3.13	Only 3 open electives are related to other streams. Include more open electives related to another stream so that working in interdisciplinary domains becomes easier.	Taken into consideration and can be implemented in the next regulation.
12	3.3	Suggested to prescribe textbooks that have global acceptance	As per the suggestion given all the prescribed textbooks for all courses were in accordance with global acceptance.

  
BOS Chairperson

*Head of the Department*  
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## Department of Petroleum Technology

Date: 24-11-2017

### Minutes of the III meeting of BOS scheduled on 21-11-2017

The III meeting of the BOS of PT was held virtually on 21-11-2017 at 9.30 AM through Microsoft Teams. Prof R.Giri Prasad, Chairperson presided over the meeting.

#### **Agenda 3.1: Welcome address by Chairperson- BOS**

Dr. R. Giri Prasad, BOS Chairperson invited the distinguished members of BOS to the III BOS Meeting.

#### **Agenda 3.2: Ratification of minutes of the previous Board of Studies meeting**

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 29-05-2017.

#### **Agenda 3.3: Discussion on proposed AR17 B. Tech (PT) Program - VI, VII & VIII semesters syllabus and ratification of the same.**

The BOS members have ratified the AR17 B. Tech (PT) Program - VI, VII & VIII semesters syllabus

Discussion on proposed V, VI, VII & VIII semesters of B.Tech (PT) AR17 syllabus and finalization of the same

After long discussions with the BOS members on the course content of B. Tech V, VI, VII & VIII semesters Petroleum Technology Department subjects, the following suggestions are made:

1. Course content for Petroleum Reservoir Engineering-II, Deep Sea Production Systems & Process Intensification in Petroleum Industry is discussed and advised to delete the repeated topics and add the required topics which are needed for present Petroleum Engineering.
2. Finalization of the textbooks and reference books for B. Tech (PT) are approved and finalized.
3. Made changes in Process Intensification in Petroleum Industry subject (3, 4 & 5 units).  
The following changes are:
  - i. Downhole Separation Technology
  - ii. Applications of solar energy in offshore oil & gas operations.
  - iii. Applications of divided wall distillation technology in the separation of NGL.

  
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The following subjects are in the approved list:

**V Semester**

- i. Process Dynamics & Control ( 171PT5T06)
- ii. Petroleum Exploration ( 171PT5T07)
- iii. Process Instrumentation ( 171PT5T08)
- iv. Well Logging & Formation Evaluation (171PT5T09)
- v. Drilling Technology ( 171PT5T10)

**Professional Elective – I**

- i. Well Engineering & Design ( 171PT5E01)
- ii. Fundamentals of LNG ( 171PT5E02)
- iii. Pipeline Engineering (171PT5E03)

**VI Semester**

- i. Well Completions, Testing & Services ( 171PT6T11)
- ii. Petroleum Production Engineering (171PT6T12)
- iii. Petroleum Reservoir Engineering – I ( 171PT6T13)
- iv. Surface Production Operations (171PT6T14)

**Professional Elective – II**

- i. Petroleum Refining and Petrochemical Engineering (171PT6E04)
- ii. Storage and Transportation of Crude oil and Natural gas ( 171PT6E05)
- iii. Reservoir Stimulation (171PT6E06)

**Professional Elective – III**

- i. Natural Gas Hydrates (171PT6E07)
- ii. Natural Gas Engineering (171PT6E08)
- iii. Horizontal Well Technology (171PT6E09)

**VII Semester**

- i. Integrated Asset Management & Petroleum Economics (171PT7T15)
- ii. Petroleum Reservoir Engineering – II (171PT7T16)
- iii. IOR & EOR Techniques (171PT7T17)
- iv. Oil & Gas Processing Plant Design ( 171PT7T18)

**Professional Elective – IV**

- i. Coal Bed Methane Engineering ( 171PT7E10)
- ii. Offshore Engineering (171PT7E11)
- iii. Petroleum Corrosion Technology ( 171PT7E12)

**Professional Elective – V**

- i. Shale Gas Reservoir Engineering (171PT7E13)
- ii. Subsea Engineering (171PT7E14)
- iii. Reservoir Modeling & Simulation (171PT7E15)

  
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### VIII Semester

#### Open Elective

- i. Green Technologies ( 171PT8O01)
- ii. Non- Conventional Sources of Energy ( 171PT8O02)
- iii. Alternative Energy Sources for Automobiles (171PT8O03)
- iv. Waste Water Treatment (171PT8O04)
- v. Computational fluid Dynamics (171PT8O05)
- vi. Process Intensification in Petroleum Industry (171PT8O06)
- vii. Disaster Management (171EC8O03)

#### Professional Elective – VI

- i. HSE & FE in Petroleum Industry ( 171PT8E16)
- ii. Reliability & Risk Management in Petroleum Operations ( 171PT8E17)
- iii. Deep Sea Production System ( 171PT8E18)

The percentage of new courses introduced in the academic year 2018-2019 for B. Tech (PT) is 2.32 %. The list of new courses is enclosed as Annexure-I.

The percentage of courses revised in this academic year 2018-2019 for B. Tech (PT) is 5.81% and M. Tech (PE) is 8.69 % .The list of courses revised is enclosed as Annexure-II

**Agenda 3.4: Discussion on the proposed AR19 B. Tech (PT) Program & AR19 M. Tech (PE) program as per the guidelines of APSCHE & AICTE**

The BOS members have ratified the AR19 B. Tech (PT) Program & AR19 M. Tech (PE) program as per the guidelines of APSCHE & AICTE.

**Agenda 3.5: Discussion on B. Tech (PT) & M. Tech (PE) programs in which Choice Based Credit System (CBCS)/Elective course system is being implemented and ratification of the same.**

The BOS members have ratified B. Tech (PT) & M. Tech (PE) programs in which Choice Based Credit System (CBCS)/elective course system.

**Agenda 3.6: Discussion on the value-added courses offered for students and ratification of the same.**

The BOS members have ratified the value-added courses offered for students.

  
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### **Agenda 3.7: Analysis of Students Feedback & Action Taken Report**

The BOS members have discussed regarding analysis of Students Feedback & Action Taken Report.

### **Agenda 3.8: Analysis of Stakeholder's Feedback on Curriculum.**

The BOS chairperson presented the feedback on curriculum from stake holders. The BOS members noted the same and approved the feedback on curriculum. The Action Taken Report on Stakeholders Feedback is enclosed as Annexure-III.

### **Agenda 3.9: Analysis of Results.**

The BOS Chairperson presented the even and the odd semesters pass percentage for the A.Y.2017-2018 .The BOS members noted the same and appreciated the faculty.

### **Agenda 3.12: Any other item/s.**

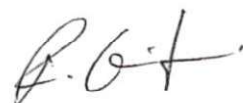
1. Approved the MOOCs courses in V & VI semesters
2. Approved the Employability skills -III & Employability skills – IV in V & VI semesters.
3. The BOS members advised wait for the University BOS meeting & reviewed the reduce of credits from 180 to 160.

### **Agenda 3.13: Scheduling of the next BOS meeting.**

The next BOS meeting is tentatively scheduled in the month of July 2019.

### **Agenda 3.14: Vote of Thanks.**

Dr. R. Giri Prasad, BOS Chairperson presented the Vote of thanks.



**BOS Chairperson**

**Head of the Department**  
**Department of Petroleum Technology**  
**Aditya Engineering College**  
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## Department of Petroleum Technology


### Annexure-I

### List of New Courses in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (PT)	III	171HS3A10	Employability Skills - I
2	B. Tech (PT)	IV	171HS4A11	Employability Skills - II

  
BOS Chairperson

Head of the Department  
Department of Petroleum Technology  
**Aditya Engineering College**  
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## Department of Petroleum Technology

### Annexure-II

#### List of Courses Revised in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1.	B. Tech (PT)	III	171BS3T09	Complex Variables
2.	B. Tech (PT)	IV	171BS4T10	Probability and Statistics
3.	B. Tech (PT)	V	R1631274	Drilling Technology
4.	B. Tech (PT)	VI	R1632272	Petroleum Production Engineering
5.	M. Tech (PE)	II	172PE2E03	Flow Assurance
6.	M. Tech (PE)	II	172PE2E06	Characterization of Petroleum Oils

BOS Chairperson

Head of the Department  
Department of Petroleum Technology  
**Aditya Engineering College**

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## Department of Petroleum Technology

### Annexure III

#### Action Taken Report on Stakeholders Feedback in the Academic Year 2018-2019

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1.	3.12	Employer suggested to introduce skill oriented courses	As per discussions value added course with hand on training will be implemented.
2.	3.3	It is better to have deep knowledge on well design and its parameters	As per discussions the subject Well Engineering and Design introduced.
3.	3.3	Courses on conservation of management of energy will be added to the curriculum and students should have the basic idea about energy management.	As per discussions the subject will be implemented.
4.	3.6	Alumni recommended providing value-added courses in new fields.	For the benefit of the students, we execute several employability-related value-added courses.
5.	3.7	Inclusion and coverage of GATE oriented syllabus for the PT students that helps in attaining PSUs.	The major portion of GATE questions will be from core subjects like Exploration and Production. GATE oriented classes will be conducted in the above mentioned subjects.
6.	3.7	Suggested to conduct Guest lectures among the students	Based on alumni feedback, the department is going to conduct guest lectures from the reputed institutions and industry sector.
7.	3.3	Parents suggested practice oriented theory courses for job purpose	As per discussions we are initiated to implement from next academic year onwards
8.	3.3	Students suggested To increase Field based learning	As per discussions with dean academics Students were encouraged to pursue field visits in relevant for possible courses.

  
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9.	3.3	Suggested advanced courses in flow studies.	As per recommendations There was already a multiphase flow course in the program.
10.	3.5	Suggested that Coding courses are to be included in the curriculum so that students can gain the knowledge of coding for core area.	As per suggestions New value added courses implemented.
11.	3.5	Suggested to keep elective courses as per specialization tracks.	As per suggestions it will be implemented.
12.	3.4	Better to have more technical skills for getting employment.	According to suggestions received all streams will be introduced.
13.	3.4	Students require strong technical and thinking skills are in demand.	According to suggestions soft skills will be implemented.
14.	3.4	Better to increase Field based learning.	As per suggestions and discussions Students were encouraged to pursue field visits in relevant for project.
15.	3.2	Better to provide advanced courses in stream studies.	As per suggestions and discussions with experts necessary courses will be initiated.

  
BOS Chairperson

**Head of the Department**  
**Department of Petroleum Technology**  
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## Department of Agricultural Engineering

Date: 14-11-2018

### Minutes of the III meeting of BoS scheduled on 10-11-2018

The following points are discussed and recommended by the BoS members of Agricultural Engineering Department.

#### Agenda 3.1: Welcome address by chairperson BoS

Mr. Y.V. Krishna Reddy, Chairman of BoS, invited all the distinguished members of BoS to the second BoS meeting.

#### Agenda 3.2: Discussion on proposed AR17 B. Tech program of V, VI, VII & VIII semesters syllabus and ratification of the same.

After long discussions with BoS members on Proposed course syllabus of each course in B. Tech V, VI, VII & VIII semesters; The following suggestions are made:

1. Suggested to keep one reference book for earth moving equipment in Farm Machinery and Equipment-I course in VI semester.
2. Suggested to keep test reports of Farm Machinery Equipment in references for FME lab in VI semester.
3. Suggested to remove the testing part in FME-II, Unit-V in VII semester.
4. Suggested to keep year last in references.
5. Suggested to change the terminology in Design of Agricultural Machinery course VIII semester.
6. Suggested to include all agronomical practices in unit -III of Soil & Water Conservation subject in VI semester.
7. Suggested to give the priority for new edition text books.
8. Suggested to include latest technologies using in the field of Agricultural Engineering with respect to subject.
9. Suggested to add Soil & Water Conservation manual in Watershed Management subject in VIII semester.
10. Suggested to have maximum of 12 experiments including augmented experiments in Labs.

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11. Suggested to remove the Week 1, Week 2..... and have only list of experiments with numbering.
12. Suggested to merge Farm Machinery and Equipment 1& 2 subjects together can form as Farm Machinery and Equipment subject as well as FM labs also.
13. Suggested to change the units order if required.
14. Suggested that, information and Communications Technology (ICT) in Agriculture subject should be added in VII semester.
15. In addition to that few subjects like Matlab, ANN, AI and etc., should be added in VI and VIII semesters.
16. The BOS members have discussed and approved the new courses introduced in all the B.Tech. (Ag.E), program. The percentage of new courses introduced in the academic year 2018-2019 for B. Tech (Ag.E) is 2.44%. The list of new courses is enclosed as Annexure I.
17. BoS members discussed and ratified the percentage revision in the courses. The percentage of courses revised in the academic year 2018-2019 for B. Tech (Ag.E) is 10.97%. The percentage of the courses revised is enclosed as Annexure II.
18. The BOS chairperson discussed the courses related to enhance the employability of the students.

**Agenda 3.3: Discussion on the proposed AR19 B.Tech (Ag.E) program as per the guidelines of APSCHE & AICTE**

1. Watershed Management subject will reduce to 2 credits instead of 3.
2. Aquaculture Engineering subject will reduce to 2 credits instead of 3.
3. Soil and Water Conservation engineering subject will reduce to 2 credits instead of 3.
4. Micro Irrigation Engineering subject will reduce to 2 credits instead of 3.
5. Design of Agricultural Machinery subject will reduce to 2 credits instead of 3.
6. Engineering Properties of Biological Materials and Food Quality subject will reduce to 2 credits instead of 3.
7. Greenhouse and Polyhouse Technology subject will reduce to 2 credits instead of 3.
8. Suggested to combine Farm Machinery and Equipment I & II as single subject.
9. Suggested to separate DAM into two subjects: First part contains Machine Design subject while second one contains Farm Machinery Design and Equipment.
10. Suggested to combine Farm Machinery Lab I & II as a single lab.

  
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11. Suggested to replace Farm Machinery Lab-II by Field Operations & Maintenance of Tractor & Farm Machinery lab.
12. Suggested to rearrange and rename FOMT Lab-I as FOMT lab.
13. BOS members discussed the Elective courses, suggested to rearrange Professional Elective subjects in V, VI, VII, VIII semesters.

#### **Agenda 3.4: Analysis of Students Feedback & Action Taken Report**

Student feedback and action report is presented by BoS Chairperson to the BoS members and BoS members approved the same.

#### **Agenda 3.5: Analysis of Stakeholder's Feedback on Curriculum**

The stakeholder's feedback on curriculum was discussed and applicable considerations were incorporated. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure III.

#### **Agenda 3.6: Analysis of Results**

The BoS Chairperson presented the odd semester pass percentage for the A.Y.2016-2017.

#### **Agenda 3.7: Any other item/s**

Suggested to guide the students in in GATE/ Public exams orientation from V semester onwards for their career development.


#### **Agenda 3.8: Scheduling of the next BoS meeting**

After discussions with BoS members, the next BoS meeting will be planned in the month of July 2018.

#### **Agenda 3.9: Vote of Thanks**

Mr. Y.V. Krishna Reddy, BoS chairperson presented the Vote of thanks.

  
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**BoS Chairperson**  
**Head of the Department**  
**Department of Agricultural Engineering**  
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## Department of Agricultural Engineering

### Annexure-I

#### List of New Courses in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Ag.E)	III	171HS3A10	Employability Skills - I
2	B. Tech (Ag.E)	IV	171HS4A11	Employability Skills - II

  
BoS Chairperson

Head of the Department

Department of Agricultural Engineering  
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## Department of Agricultural Engineering

### Annexure-II

#### List of Revised Courses in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Ag.E)	III	171AG3T01	Principles of Soil Science and Agronomy
2	B. Tech (Ag.E)	III	171AG3T02	Renewable Energy Sources
3	B. Tech (Ag.E)	III	171ES3T19	Properties and Strength of Materials
4	B. Tech (Ag.E)	III	171ES3T20	Electrical and Electronics Engineering
5	B. Tech (Ag.E)	IV	171AG4T05	Heat and Mass Transfer
6	B. Tech (Ag.E)	IV	171ES4T25	Fluid Mechanics and Open Channel Hydraulics
7	B. Tech (Ag.E)	IV	171AG4T07	Surface Water Hydrology

  
BoS Chairperson  
Head of the Department  
Department of Agricultural Engineering  
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## Department of Agricultural Engineering

### Annexure-III

#### Action Taken Report on Stakeholders Feedback in the Academic Year 2018-2019


S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	3.5	Suggested to provide courses to improve employability skills	As per suggestions, Employability skills- I, II will be included.
2		Suggested to include courses which improves the technical skills of a student.	As per suggestions, Value added courses will be included in the course curriculum.
3		Suggested to add supercharger, turbocharger and various steering systems in Farm Power & Tractor system subject.	As per suggestions given, Farm Power & Tractor system syllabus will be modified.
4		Suggested to include some courses to improve moral awareness while writing research papers.	As per suggestions, Professional Ethics & Human Values will be included in the curriculum.
5		Suggested to include more Industrial/ field visits.	As per suggestions, necessary step will be taken in the coming semesters.
6		Suggested to add some numerical methods in Computational Fluid Dynamics course.	As per suggestions, required numerical methods will be included in Computational Fluid Dynamics subject.
7		Suggested to shift Dairy and Food Engineering subject from VI to VII semester	As per suggestions, Dairy and Food Engineering subject will be changed from VI to VII semester.
8		Suggested to include crop coefficient critical moisture sensitive periods, growth stages of various crops topic in Irrigation & Drainage Engineering	Suggested topics will be included in the Irrigation & Drainage Engineering course.
9		Suggested to combine sowing and fertilization under same topic Principles of Soil Science and Agronomy course	As per suggestions, modifications will be included in Principles of Soil Science and Agronomy course.
10	3.2	Suggested to reduce the syllabus in FME-II	As per suggestions and discussions made, testing part will be removed from FME- II course.

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11	3.4	Suggested to introduce self- study courses.	As per suggestions, MOOC courses will be included in course curriculum.
12		Suggested to give the priority for new edition text books.	As per suggestions, latest textbooks will be referred.

  
**BoS Chairperson**  
**Head of the Department**  
**Department of Agricultural Engineering**  
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## Department of Mining Engineering

Dt-20/11/2018

### Minutes of III BoS meeting conducted on 17-11-2018

The III meeting of the Board of Studies of Mining Engineering Department was held on 17/11/2018 at 10 AM in the Conference Hall, Ajivika, Bill Gates Bhavan AEC Mr. Satyajeet Parida, Chairperson presided over the meeting.

#### **Agenda 3.1: Welcome address by Chairperson- BoS**

Mr. Satyajeet Parida, Chairman of BoS, invited all the distinguished members of BoS to the III BOS meeting.

#### **Agenda 3.2: Discussion on proposed AR17 B.Tech. Program - VI , VII & VIII semesters syllabus and ratification of the same.**

The BOS members approved the AR17 B.Tech. Program - VI , VII & VIII semesters syllabus after making the following points , and some minor rectifications.

- Members reviewed and slightly modified the first 2 units of the course Computer Applications in Mining.
- Members suggested writing the full names of authors & publishers while mentioning the text books.
- The Title for the Course Geomechanics II, Geomechanics I have been changed to Advanced Geomechanics and Basic Geomechanics Respectively as per BOS suggestion.
- Modifications & Rearrangements in the syllabus of VI, VII and VIII semester courses were done it's per the suggestion of BoS members.
- Seminars, technical report writing should be incorporated form the 1<sup>st</sup> year of the program.
- The BoS members have discussed and approved the new courses introduced in B. Tech. (Min.E), programmes. The Percentage new courses introduced in the academic year 2018-2019 for B.Tech (Min.E) is 7.23%. The list of new courses is enclosed as Annexure-I.
- BOS members discussed and ratified the percentage revision in the courses. The percentage of courses revised in the academic year 2018-2019 for B.Tech (Min. E) is 14.46%. The list of courses revised is enclosed as Annexure-II.
- The BOS members discussed and ratified the elective courses.

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### **Agenda 3.3: Discussion on the proposed AR19 B.Tech Program as per the guidelines of APSCHE & AICTE**

The BoS members have discussed and suggested to incorporate the guidelines given by APSCHE & AICTE. The following key points were discussed

1. For AR19 the title of the course Mine Economics should be changed to Mineral economics as suggested by BoS members.
2. To promote industry oriented education the members suggested, a joint valuation process shall be carried out by the industry & faculty members, after an industry based learning in which the students of eighth semester will be allowed to learn the subjects of that semester practically from an industry.

### **Agenda 3.4: Analysis of Students Feedback & Action Taken Report**

BoS chairperson has expressed that the student feedback and action taken report process is done at the end of each semester. The BoS members were pleased to know the average feedback for the faculty.

### **Agenda 3.5: Analysis of Stakeholder's Feedback on Curriculum**

The stakeholder's feedback on curriculum was discussed and applicable considerations were incorporated. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure-III.

### **Agenda 3.6: Analysis of Results**

The BoS chairperson presented the results. The BoS members appreciated the faculty for achieving better pass percentages.

### **Agenda 3.7: Any other item/s**

- The BoS members suggested that unless NPTEL course are not upgraded & the syllabus become more contemporary it is not advisable to give the students credit for qualifying those courses. However, these courses can be used as a supplementary source of reading.
- BOS members suggested to focus on the courses which increase the placement opportunities of the students.
- If self-reading needs to be promoted, the BoS members suggested to establish MOUs with some reputed universities; & courses offered by which will be considered by awarded credits if the students successfully complete those.
- To provide minor degree to students we can add safety, finance, information technology streams by which student can proceed in both the fields in future.
- Seminars, technical report writing should be incorporated from the 1<sup>st</sup> year of the program.

  
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**Agenda 3.8: Scheduling of the next BoS meeting.**

- The next BoS meeting is tentatively scheduled in the month of October 2021.

**Agenda 3.9: Vote of Thanks**

- Mr. Satyajee Parida, BoS Chairperson thanked the members for the successful completion of BoS III.

  
BoS Chairperson

*Head of the Department*  
DEPARTMENT OF MINING ENGINEERING  
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## Department of Mining Engineering

### Annexure-I

#### List of New Courses in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Min.E)	III	171BS3T10	Probability & Statistics
2	B. Tech (Min.E)	III	171ES3L13	Basic Mechanical Engineering Lab
3	B. Tech (Min.E)	III	171HS3A10	Employability Skills - I
4	B. Tech (Min.E)	IV	171HS4A11	Employability Skills – II
5	B. Tech (Min.E)	VI	R1632035A	Entrepreneurship
6	B. Tech (Min.E)	VI	R1632015D	Waste Water Management

BoS Chairperson

**Head of the Department**  
**DEPARTMENT OF MINING ENGINEERING**  
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## Department of Mining Engineering

### Annexure-II

#### List of Courses Revised in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Min.E)	III	171MI3T01	Introduction To Mining Technology
2	B. Tech (Min.E)	III	171MI3T02	Basic Mechanical Engineering For Mines
3	B. Tech (Min.E)	III	171ES3L12	Electrical and Electronics Lab
4	B. Tech (Min.E)	IV	171MI4T08	Fundamentals of Rock Mechanics
5	B. Tech (Min.E)	V	R1631268	Mechanical Engineering Lab
6	B. Tech (Min.E)	VI	R163226C	Mine Safety Engineering

  
BoS Chairperson

*Head of the Department*  
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## Department of Mining Engineering

### Annexure III

#### Action Taken Report on Stakeholders Feedback in the Academic Year 2018-2019

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	3.5	Students should be well aware of geology aspect in the formation of different minerals and they should be thorough in the geology which will help them in different mining operation.	The subject which makes the student well aware of geology is already incorporated in the syllabus. They are: <ul style="list-style-type: none"><li>• Mining Geology-I</li><li>• Mining Geology -II</li></ul>
2		Students should be aware of latest mining machinery used in mining that helps in mining industry.	The subject which are related to mining machinery are: <ul style="list-style-type: none"><li>✓ Mining Machinery &amp; Mechanization - I</li><li>✓ Mining Machinery &amp; Mechanization - II</li></ul>
3	3.2	Students should be aware of latest computer application in the mining field	The computer application in the mining area is treated to be an important subject so it is included in the curriculum and also it is revised from time to time <ul style="list-style-type: none"><li>✓ Computer Applications in Mining</li></ul>
4	3.5	Department should include mining technology that are used in High wall and Tunnel engineering	The subject which are related to different types of High wall mining and tunnel engineering are included: <ul style="list-style-type: none"><li>• Tunnelling Engineering</li></ul>

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5		Department should aware the students about the health hazards happening in the mines.	The subject related to health hazards in mine has been included in the syllabus and the recent update of the syllabus was given over here:  • Mine Health and Safety Engineering
6	3.5	Guest lecture should be done by industry persons so that the curriculum gap will be fulfilled	To fulfill the curriculum gap between industry demand and college courses, value added courses has been introduced with the suggestion of different mining industry persons who were the committee members of our BoS.
7		The subjects that were taught should be reformed so that Latest technology used in that field should be included in those subjects.	The subjects that were reformed and the syllabus has been changed are as follows :-  ✓ Geology-II ✓ Mine Surveying-I ✓ Surface mining ✓ Fundamentals in Rock mechanics
8		Student should be aware of different water management program happening in mining field.	The subject which makes students aware of different water management program are:  Waste Water Management
9		Students should be taught employability Skills related Course that will later on help them to get placed in various companies	Employability Skills related courses has been included in the curriculum they are:  Employability Skills-I  Employability Skills-II
10	3.4	Students should be aware of the entrepreneurship skills which will help them to become an entrepreneur.	The subject which enhances the entrepreneurship skills among the students is included in the curriculum  Entrepreneurship

11		Students should be encouraged towards the innovative projects in the mining.	Different course expert were present in the department who were expertise in different area of mining and by their wide diverse we can guide in different real time mining projects,
12		Students should be aware of basic safety measure that they should follow inside the mining field	To make basic safety practices in the mines the related subject has included in the curriculum:  ✓ Mine Safety Engineering

  
BOD Chairperson

**Head of the Department**  
**DEPARTMENT OF MINING ENGINEERING**  
**ADITYA ENGINEERING COLLEGE (A9)**

  
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## Department of Management studies

Date: 19-11-2018

### Minutes of the III meeting of BOS scheduled on 17-11-2018 and 18-11-2018

The III meeting of the BOS of Management Studies was held on 17<sup>th</sup> and 18<sup>th</sup> November 2018 at 11.00 AM at Cotton Bhavan Conference hall. Dr. N. Visalakshi, Chairperson presided over the meeting.

#### **Agenda 3.1: Welcome address by Chair Person-BOS. .**

Dr. N. Visalakshi, BOS Chairperson, invited all the distinguished members of BOS to the III Board of Studies meeting.

#### **Agenda 3.2: Ratification of the minutes of previous Board of Studies meeting.**

BOS Members have ratified the minutes of the previous BOS meetings

#### **Agenda 3.3: Discussion on proposed syllabus of AR17 MBA-IV and IMBA-VII, VIII, IX, & X semester(s), and ratification of the same.**

- BOS members approved the syllabus of AR17 MBA-IV and IMBA-VII, VIII, IX, & X semester(s), and ratified the same.
- BOS members discussed about the elective courses and ratified the same.
- BOS members ratified the list of new courses during the academic year 2018- 2019 enclosed as Annexure-I. The percentage of new courses introduced in the academic year 2018-19 for IMBA is 30%. List of new courses is enclosed as Annexure-I.
- BOS members discussed and ratified the percentage revision in the courses. The percentage of courses revised in the academic year 2018-19 for MBA is 3.8% and for IMBA is 30%. List of courses revised is enclosed as Annexure-II.

#### **Agenda 3.4: Analysis of Students Feedback & Action Taken Report**

The Chairperson expressed the students' feedback and action taken report. Members of BOS noted the students' feedback and action taken report process initiated at the end of each semester. The BOS members noted the same.

  
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### **Agenda 3.5: Analysis of Stakeholder's Feedback on Curriculum**

The BOS Chairperson presented the analysis report of Stakeholder's feedback on curriculum. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure-III.

### **Agenda 3.6: Analysis of Results**

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2017-18 and ratified the same

### **Agenda 3.7: Any other items.**

- Suggested that the students should interact with industrial employees for Understanding of practical knowledge.
- Suggested to organize guest lectures by industrial experts.
- Suggested to conduct role play sessions to improve the participative skills of the students and improved the entrepreneurship skills.

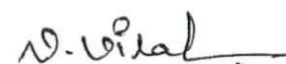
### **Agenda 3.8: Scheduling of next board of studies meeting.**

The next meeting of BOS will be scheduled in the month of the June/July-2019.

### **Agenda 3.9: Vote of Thanks**

The Chairperson presented the Vote of Thanks.

  
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BOS Chairperson  
Head of the Department  
Department of Management Studies  
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# ADITYA ENGINEERING COLLEGE

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Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

## Department of Management Studies

### Annexure-I

#### List of New Courses in the Academic year 2018-19

S. No	Program	Semester	Course Code	Course Name
1.	IMBA	V	16IM501	Financial Management
2.	IMBA	V	16IM502	Marketing Management
3.	IMBA	V	16IM503	Human Resource Management
4.	IMBA	V	16IM504	Production and Operations Management
5.	IMBA	V	16IM505	Research Methodology
6.	IMBA	VI	16IM601	Operations Research
7.	IMBA	VI	16IM602	International Business
8.	IMBA	VI	16IM603	Strategic Management
9.	IMBA	VI	16IM604	Decision Support Systems
10.	IMBA	V	16IM501	Financial Management

*D. V. Reddy*  
**BOS Chairperson**

*Head of the Department*  
Department of Management Studies  
Aditya Engineering College (A)  
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*S. V. C.*  
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## Department of Management Studies

### Annexure-II

#### List of Courses Revised in the Academic year 2018-19

S. No	Program	Semester	Course Code	Course Name
1	MBA	IV	174SY4E03	Cyber Laws & Security .
2	MBA	IV	174SY4E04	Information Systems & Audit

*N. V. S. R.*  
BOS Chairperson

Head of the Department  
Department of Management Studies  
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## Department of Management Studies

### Annexure III

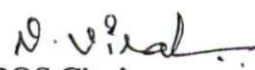
#### Action Taken Report on Stakeholders Feedback in the Academic year 2018-19

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1.	3.4	Sports culture should be developed in the college and proper time should be given	Physical Department is asked to conduct more sports competitions for MBA students and conducted more competitions.
2.	3.4	Every a day last hour students are suggested to have FIP hours to clear subject doubts	Because of Theory and GD and jam programs FIP hour is not given in time table. Class hour planned to one hour .after every class 10 minutes is given to question section
3.	3.4	Team skills and leadership skills should be enhanced.	It is planned to introduce 3 hours in time table for GD and Jam sections
4.	3.4	Sports culture should be developed in the college and proper time should be given	Physical Department is asked to conduct more sports competitions for IMBA students and conducted more competitions.
5.	3.5	Encourage the students to complete more skill oriented courses	As per discussions value added course with hand on training will be implemented.
6.	3.5	Student interview skills should be enhanced	Mock Interview sessions are included along with regular academics
7.	3.5	Suggested to have more Global level exposure for students	Two Guest lectures are planned per semester

  
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8.	3.5	Suggested to encourage the students towards Research in Finance and Marketing areas of Business.	Students are allowed to do major projects in the companies which have a life of more than five years.
9.	3.5	Suggested to improve entrepreneurial culture in students.	Market maker events are conducted along with regular academics.
10.	3.5	Suggested to have more activities for communication skills.	It is planned to Planned conduct more role play sessions for the students.
11.	3.5	Suggested to have more reference books in curriculum	Reference books and text books are finalized by BOS members
12.	3.5	Suggested to improve the quality of major project	Every week one project review is planned
13.	3.5	More case studies have to discuss with students	Case studies are given to Students and ask them to submit along with assignments.
14.	3.7	Students suggested to an interaction with Industrial employees to increase practical knowledge	Students are encouraged to do Internships to have interaction with Industry people
15.	3.7	Student's participative skills should be enhanced.	It is planned to Planned conduct more role play sessions for the students.
16.	3.7	Suggested to have Guest lecturers in specialization subjects to know the latest trends	Suggested to have Guest lecturers in core subjects to know the latest trends

  
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**BOS Chairperson**  
**Head of the Department**  
**Department of Management Studies**  
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## Department of Master of Computer Applications

Date: 20/11/2018

### Minutes of the 3rd Meeting of BOS Scheduled on 17/11/2018

The III meeting of the BOS of Master of Computer Applications Department was held on 17-11-2018.at 09.30 AM.

The Members discussed the agenda items and made the following resolutions.

#### **Agenda 3.1: Welcome address by Chair Person-BOS.**

Prof.D Beulah, BOS Chairperson invited the distinguished members of BOS to the III BOS Meeting.

#### **Agenda 3.2: Ratification of minutes of the previous Board of Studies meeting**

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 25/11/2017.

#### **Agenda 3.3: Discussion on proposed AR17 MCA Program – V &VI semester syllabus and ratification of the same.**

The members of BOS ratified the AR17 V &VI Semesters MCA syllabus after incorporating the following changes:

- Suggested to use more courses which are industry ready as electives.
- Suggested to incorporate IoT as a lab course also.
- Suggested to use open source tools for Labs wherever they are possible.

The members of BOS ratified the Percentage of new courses introduced in the academic year 2018-2019 for MCA is 14%. The list of new courses is enclosed as Annexure-I.

The members of BOS ratified the professional core electives and open electives offered during the academic year 2018-2019.

#### **Agenda 3.4: Analysis of Students Feedback & Action Taken Report**

The Chairperson presented that the average feedback of the faculty for odd and even semesters for the A.Y.2019-20, members of BOS noted the students feedback and action taken report and appreciated the staff members for the same.

#### **Agenda 3.5: Analysis of Stakeholder's Feedback on Curriculum**

The BOS Chairperson presented the analysis of Feedback on Curriculum which is taken from the various Stakeholders. The BOS members noted the same and advised to incorporate the suggestions as per the feasibility. The Action Taken Report is enclosed as Annexure-II.

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### Agenda 3.6: Analysis of Results

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2017-18 and ratified the same.

### Agenda 3.7: Any other item/s

- Suggested to follow the competitive exams pattern partially in preparation  
Suggested to include latest editions of text books for the Courses.
- Suggested to include labs for the courses like Cloud Computing, IOT, Neural Networks and Machine Learning.
- Suggested to Remove why, what and from the syllabus.
- Advised to teach beyond the course content by discussing need and applications of topics in industry.
- Suggested to increase the number of courses which focusing on employability and soft skills to gain more opportunities for the students.
- Suggested to fix no of hours for subject to teach as 48 to 54 hrs and for electives 44-48 hrs.

### Agenda 3.8: Scheduling of the next BOS meeting.

The next BOS meeting is tentatively scheduled in the month of April/May 2019.

### Agenda 3.9: Vote of Thanks

The Chairperson presented the Vote of Thanks.



**BOS Chairperson**  
Head of the Department  
Department of MCA  
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## Department of Master of Computer Applications

### Annexure-I

#### List of New Courses in the Academic Year 2018-2019

S. No	Program	Semester	Course Code	Course Name
1	MCA	IV	173MC4E03	Cloud Computing
2	MCA	IV	173MC4E05	Artificial Intelligence
3	MCA	IV	173MC4L10	Advanced Java & Web
4	MCA	V	MC1651	Big Data Analytics
5	MCA	V	MC1653	Python Programming
6	MCA	V	MC165A	Big Data Analytics Lab
7	MCA	V	MC165C	Python Programming Lab

BOS Chairperson

Head of the Department  
Department of MCA  
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## Department of Master of Computer Applications

### Annexure-II


### Action Taken Report on Stakeholders Feedback in the Academic Year 2018-2019

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	3.3	Prepare syllabus for Database Management Systems, Mobile Computing, Artificial Intelligence etc., as per Industry Standards	As per the suggestion given by the employer and alumni syllabus was revised and prepared as per industry standards.
2	3.3	Improve the Communication skill of students	As per the suggestion Seminar course is introduced to develop the presentation and communication skills of the student.
3	3.7	Suggestion to conduct group activities for the students	Group discussions are being conducted to impart teamwork among students
4	3.7	Impart practical knowledge among students, make them work on more and more projects.	As per the suggestions given by the alumni, the special technical training classes are conducted after 3:30 PM. Every student should complete one Mini project.
5	3.7	Training session are needed for students to become more employable	Career guidance and placement programs are included in the course
6	3.4	Suggested to include competitive based examinations for aptitude and technical skill development	Conducted training sessions and tests to assess the student performance
7	3.4	Improvement required in the communication skills.	Training and placement classes (Communication classes) are started to improve communication of the students.
8	3.4	Personality development training	Training and placement classes (Personality

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			development classes) are started.
9	3.4	Students are to be involved in developing the projects that are benefiting the society	Encouraged to do the projects that are beneficial to the society
10	3.3	Syllabus should design practical based approach. And more weight ages should be given to project.	Providing advanced technology training to students, it helps to develop mini and main project.
11	3.3	Interactive based learning with visual presentation is needed	Classes are handled by video conferencing and smart classroom
12	3.3	Recent technology-based courses are needed	As per suggestions included Cloud computing, Block chain Technologies and IOT

  
**BOS Chairperson**  
 Head of the  
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 Aditya Engineering College

  
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