

ADITYA ENGINEERING COLLEGE

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

List of New Courses Highlighted BOS Meeting Minutes for the Academic Year 2019-2020

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Department of Civil Engineering

Date: 27-07-2019

Minutes of the 4th meeting of BOS scheduled on 20-07-2019

The 4th meeting of the BOS of Civil Engineering was held on 20th July 2019 at 10.00 AM, Ajivika Conference Hall, Bill Gates Bhavan. Prof P.Ravi Kishore, Chairperson presided over the meeting.

Agenda 4.1: Welcome address by Chairman

Prof.P.Ravi Kishore, BOS Chairman invited the distinguished members of BOS to the IV BOS Meeting.

Agenda 4.2: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

- Members of BOS ratified the Vision and Mission of the department, PEOs, POs and PSOs of the Programs under the Department.

Agenda 4.3: Discussion on proposed course structure for AR19 as per the guidelines of APSCHE and AICTE for B.Tech (CE) and ratification of the same.

- After detailed discussions with the BOS members on the course structure of B.Tech the following suggestions are made.
1. Suggested to merge M-III and M-IV by considering the relevant topics.
 2. Suggested to bifurcate Structural Analysis into two parts in consecutive semesters.
 3. Suggested to replace Design of Tall Buildings with Advanced Concrete Technology in structural stream in Open Electives the same is implemented.
 4. Suggested to replace River Basin Management with Irrigation Structures in Water Resources stream on Open Electives the same is implemented.
 5. Suggested to replace Traffic Analysis with Urban Transportation in transportation stream on Open Electives the same is implemented.
 6. Suggested to replace Environmental Pollution and Control with Municipal and Hazardous Solid Waste Management in Environmental stream on Open Electives the same is implemented.
 7. Suggested some guidelines regarding the syllabus framing in advanced structural Design the guidelines are carefully recorded.
 8. Suggested to include Industrial by product Waste Management in Industrial Waste and Waste Water engineering the guidelines are carefully recorded.
 9. Suggested to include ISO specifications and safety engineering in one of the Open Electives the same is implemented.


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10. Suggested to revise lectures and credits allocation for Environmental Engineering course.
 11. Suggested to familiarise the students with latest technologies and advanced materials like Pre-casting, Pre-fabrication and white topping through industrial exposure.
- BOS members approved B.Tech First Year II semester syllabus of branch specific workshop-II for Civil Engineering.

Agenda 4.4: Discussion on proposed AR19 M.Tech (Structural Engineering) program structure, I & II semesters syllabus and ratification of the same.

- BOS members approved AR 19 M.Tech (CSE) & M.Tech (Structural Engineering) program structure, I & II semesters syllabus and ratified the same.

Agenda 4.5: Discussion on the courses having focus on employability/ entrepreneurship/ skill development in the programs of AR19 B.Tech (CE) and M.Tech, (Structural Engineering) and ratification of the same.

- The members of BOS ratified the courses having focus on employability/entrepreneurship/skill development in the AR 19 B.Tech (CE) , and M.Tech (Structural Engineering) program.

Agenda 4.6: Discussion on the new courses offered in the B.Tech (CE) and M.Tech (Structural Engineering) programs and ratification of the same.

- Members of BOS noted the new courses offered in the AR19 B.Tech (CE) and M.Tech (Structural Engineering) programs and ratified the same. The percentage of new courses introduced in the academic year 2019-20 for B. Tech (CE) is 10.53% and M. Tech (Structural Engineering) is 50%. The list of new courses during the academic year 2019-2020 enclosed as Annexure-I.

Agenda 4.7: Discussion on the B.Tech (CE) and M.Tech (Structural Engineering) Programmes in which Choice Based Credit System (CBCS)/elective course system is being implemented and ratification of the same.

- Members of BOS ratified the Choice Based Credit System (CBCS)/elective course system that is being implemented in B.Tech (CE) and M.Tech (Structural Engineering) programs.

Agenda 4.8: Discussion on the percentage of syllabus revision done in the B.Tech(CE) & M.Tech (Structural Engineering) programs and ratification of the same.

- The syllabus revisions were done in B. Tech (CE) and M. Tech (Structural Engineering) based on the stake holder's feedback on Curriculum. The BOS members have approved all the syllabus revisions in both B. Tech (CE) and M. Tech (Structural Engineering). The percentage of courses revised in this academic year 2019-20 for B. Tech (CE) is 31.57 % and M. Tech (Structural Engineering) is 55.55 %. The list of courses revised is enclosed as Annexure-II.

Agenda 4.9: Discussion on the value-added courses offered for students and ratification of the same.

- Members of BOS ratified the various value-added courses identified for the students to be offered.

Agenda 4.10: 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 4.11: 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 have noted the results in academic year 2018-2019.

Agenda 4.12: 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 4.13: Any other items

- Suggested that the department can approve the & then course offered by the MOOCS course provided in that current semester.
- Suggested to add new technologies in elective courses to fill the gap between industry and academics
- Suggested to make MOUs with industries and premier institutes.


Agenda 4.14: Scheduling of the next BOS meeting.

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

Agenda 4.15: Vote of Thanks

- Prof. P.Ravi Kishore, BOS Chairperson presented the vote of thanks.


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

Annexure I

List of New Courses in the Academic Year 2019-2020


S. No	Program	Semester	Course Code	Course Name
1.	B. Tech (CE)	I	191MC1A02	Constitution of India
2.	B. Tech (CE)	II	191PR2P01	Engineering Exploration Project
3.	B. Tech (CE)	II	191ES2L03	Essential Electrical and Electronics Engineering Lab
4.	B. Tech (CE)	II	191ES2L04	Civil Engineering Workshop
5.	B. Tech (CE)	V	171IS5T06	Employability Skills - III
6.	B. Tech (CE)	VI	171IS6T07	Employability Skills - IV
7.	B. Tech (CE)	V	171CE5S01	MOOCs – I
8.	B. Tech (CE)	V	171CE5P03	Surveying Camp
9.	B. Tech (CE)	VI	171CE6S02	MOOCs – II
10.	B. Tech (CE)	VII	R1641018	Irrigation Design & Drawing
11.	M. Tech (Structural Engineering)	I	192MC1A01	English for Research Paper Writing
12.	M. Tech (Structural Engineering)	I	192MC1A02	Disaster Management
13.	M. Tech (Structural Engineering)	I	192MC1A03	Sanskrit for Technical Knowledge
14.	M. Tech (Structural Engineering)	I	192MC1A04	Value Education
15.	M. Tech (Structural Engineering)	I	192MC1A05	Constitution of India
16.	M. Tech (Structural Engineering)	I	192MC1A06	Pedagogy Studies

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17.	M. Tech (Structural Engineering)	I	192MC1A07	Stress Management by Yoga
18.	M. Tech (Structural Engineering)	I	192MC1A08	Personality Development through Life Enlightenment Skills
19.	M. Tech (Structural Engineering)	I	192MC1A09	Soft Skills
20.	M. Tech (Structural Engineering)	I	192ST1T03	Advanced Concrete Technology
21.	M. Tech (Structural Engineering))	I	1925T1E03	Design of RCC Foundations
22.	M. Tech (Structural Engineering)	I	1925T1E02	Analytical & Numerical Method for Structural Engineering
23.	M. Tech (Structural Engineering)	I	1925T1E06	Advanced Reinforced Concrete Design
24.	M. Tech (Structural Engineering)	II	1925T2E08	Advanced Steel Design
25.	M. Tech (Structural Engineering)	II	1925T2E09	Analysis of offshore Structures
26.	M. Tech (Structural Engineering)	II	1925T2E11	Precast and Prefabricated Structures
27.	M. Tech (Structural Engineering)	II	1925T2E12	Earth Retaining Structures
28.	M. Tech (Structural Engineering)	II	192ST2L04	Structural Design Laboratory


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BOS Chairperson
Head of the Department
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Department of Civil Engineering

Annexure II

List of Courses revised in the Academic Year 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (CE)	I	191HS1T01	Communicative English-I
2	B. Tech (CE)	I	191BS1T01	Differential Equations and Linear Algebra
3	B. Tech (CE)	I	191BS1T02	Engineering Physics
4	B. Tech (CE)	I	191BS1L01	Engineering Physics lab
5	B. Tech (CE)	I	191ES1L02	Basic Engineering Workshop
6	B. Tech (CE)	II	191BS2T06	Chemistry of Materials
7	B. Tech (CE)	II	191BS2L04	Engineering Chemistry Lab
8	B. Tech (CE)	II	191ES2T02	Engineering Graphics and Design
9	B. Tech (CE)	I	191MC1A01	Environmental Science
10	B. Tech (CE)	III	171BS3T10	Probability and Statistics
11	B. Tech (CE)	V	171HS5T05	Management Science
12	B. Tech (CE)	V	171CE5T11	Transportation Engineering
13	B. Tech (CE)	VIII	171CE5E01	Construction Technology and Management
14	B. Tech (CE)	V	171CE5L04	Engineering Geology Lab
15	B. Tech (CE)	V	171CE5L05	Transportation Engineering Lab
16	B. Tech (CE)	VI	171CE6T15	Geotechnical Engineering - I
17	B. Tech (CE)	VI	171CE6L06	Geotechnical Engineering Lab
18	M. Tech (Structural Engineering)	I	192ST1T02	Structural dynamics
19	M. Tech (Structural Engineering)	I	1925T1E04	Bridge Engineering

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BOS Chairperson

Dept. of Civil Engineering
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DEPARTMENT OF CIVIL ENGINEERING

Annexure III


Action taken report on Stakeholders Feedback in the Academic Year 2019-2020

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	4.7	It is better to provide more choice-based subjects.	Inclusion of various open electives from different disciplines like Electrical Safety, 3D Printing, Digital Electronics and logic Design, Java Programming etc. will be included.
	4.13	Improve extracurricular activities by planning industrial trips.	Introduction of surveying camp in V Semester.
	4.5	Train students and raise awareness among them to pass the GATE and IES exams.	Civil Department organizing the GATE training for the interested and fast learning students.
2	4.5	Focus on courses related to entrepreneurship.	Inclusion of courses like Entrepreneurship Development and Incubation in V semester
		Student exposure towards socially relevant activities.	Incorporation of socially Relevant Project in V Semester
		To prepare students for interviews, conduct programming skills training for them.	For the training program, we have already introduced

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3		The curriculum should be adjusted to reflect the IES and GATE exams	Project work is undertaken as project part-I in VII semester and project part-II in VIII semester, instead of Major Project in VIII semester of AR17 regulation
	4.5	Time frame for Project work can be increased to enhance practical exposure to various day to day life activities.	We will setup workshop schedules based on suggestions.
	4.3	Organize a workshop to discuss improvements in the teaching and Learning Process.	Step by step, we are upgrading the syllabus
4	4.5	It is better to add additional skill oriented programs	As per suggestions value added courses are initiated in both even and odd semesters.
	4.3	Plan your curriculum so that theory and lab are parallel for better understanding.	We will improve the syllabus based on the suggestions.
	4.3	Increase the number of laboratory classes.	We will try to offer more lab classes based on feedback


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

Date: 22-07-2019

Minutes of the IV meeting of BOS scheduled on 20-07-2019

The IV meeting of the BOS of EEE was held on 20-07-2019 at 10.00 AM, Ajivika Conference Hall, Bill Gates Bhavan. Dr. V. Srinivasa Rao, Chairperson presided over the meeting.

Agenda 4.1: Welcome address by Chairperson

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

Agenda 4.2: 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 10/11/2018.

Agenda 4.3: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

Members of BOS ratified the Vision and Mission of the department, PEOs, POs and PSOs of the Programs under the Department.

Agenda 4.4: Discussion on proposed AR19 B.Tech (EEE) program structure, I & II semesters syllabus and ratification of the same.

The BOS members approved the AR19 B.Tech (EEE) course structure after incorporating the following changes:

- The BOS members have discussed the course structure and content of four year AR19 B. Tech (E.E.E) program. The committee has suggested few minor modifications in the course content and list of electives to be offered and has approved the same.
- As per suggestion from BOS members, Different MOOCs courses can be opted such that the total duration of all opted courses is minimum 12 weeks.
- BOS members suggested, the course "Socially Relevant Project" offered in V semester is to be supervised and evaluated by the NSS coordinator.
- BOS members have discussed various courses to be offered as electives in the four year program.
- BOS members have discussed the syllabus of Constitution of India course to be offered in I semester.


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Agenda 4.5: Discussion on proposed AR19 M. Tech (PED) program structure, I & II semesters syllabus and ratification of the same.

BOS members approved AR 19 M. Tech (PED) program structure, I & II semesters syllabus and ratified the same.

Agenda 4.6: Discussion on the courses having focus on employability / entrepreneurship /skill development in B. Tech (EEE) and M. Tech (PED) programs and ratification of the same.

The members of BOS ratified the courses having focus on employability/entrepreneurship/skill development in the B. Tech (EEE) & M. Tech (PED) programs.

Agenda 4.7: Discussion on the new courses offered in the B. Tech (EEE) and M. Tech (PED) programs and ratification of the same

Members of BOS noted the percentage of new courses offered for the academic year 2019-2020 in the B. Tech (EEE) is 18.18% & M. Tech (PED) is 47.22%. The list of new courses is enclosed as Annexure-I.

Agenda 4.8: Discussion on the B. Tech (EEE) and M. Tech (PED) Programs in which Choice Based Credit System (CBCS)/elective course system is being implemented and ratification of the same.

Members of BOS ratified the choice based credit systems (CBCS)/elective course system that is being implemented in B. Tech (EEE) and M. Tech (PED) programs.

Agenda 4.9: Discussion on the percentage of syllabus revision done in the B. Tech (EEE) & M. Tech (PED) programs and ratification of the same.

The syllabus revision was done in the B. Tech (EEE) & M. Tech (PED) programs based on the stakeholders feedback on curriculum. The BOS members have approved all the percentage of syllabus revisions for the academic year 2019-2020 in B. Tech (EEE) is 34.09% and M. Tech (PED) is 66.66%. The list of courses revised is enclosed as Annexure-II.

Agenda 4.10: Discussion on the value-added courses offered for students and ratification of the same.

Members of BOS ratified the value-added courses identified for the students to be offered and suggested to include topics related to thrust areas

Agenda 4.11: Analysis of Results

The BOS Chairperson presented the odd and even semesters pass percentage for the A.Y.2019-2020. The BOS members noted the same.

Agenda 4.12: 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 4.13: 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 4.14: Any other item/s

1. In II semester engineering graphics & design course can be replaced by python/ data structures.
2. In third semester python programming and lab is proposed.
3. In DC machines reduce the syllabus to fundamentals and include the syllabus of induction motors In EM-I paper itself.
4. In Basic electrical and electronics engineering, the overall syllabus should be reduced, in transformers remove the topic voltage regulation.
5. In V semester Electrical machine modeling course is there for both B. Tech and M. Tech. Suggested to combine the student for having the same lecture.

Agenda 4.15: Scheduling of the next BOS meeting.

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

Agenda 4.16: Vote of Thanks

- Dr. V. Srinivasa Rao, BOS Chairperson presented the vote of thanks.


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 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (EEE)	I	191MC1A02	Constitution of India
2	B. Tech (EEE)	II	191ES2T05	Data Structures Through C
3	B. Tech (EEE)	II	191ES2T06	Basic Civil and Mechanical Engineering
4	B. Tech (EEE)	II	191ES2L05	Basic Civil and Mechanical Engineering Lab
5	B. Tech (EEE)	II	191ES2L06	Electrical Engineering Workshop
6	B. Tech (EEE)	II	191PR2P01	Engineering Exploration Project
7	B. Tech (EEE)	V	171HS5T06	Employability Skills - III
8	B. Tech (EEE)	V	171EE5S01	MOOCs - I
9	B. Tech (EEE)	V	171EE5E03	Electrical Safety
10	B. Tech (EEE)	VI	171EE6E04	Computer Architecture
11	B. Tech (EEE)	VI	171EE6E06	Distributed Generation and Microgrid
12	B. Tech (EEE)	VI	171EE6S02	MOOCs - II
13	B. Tech (EEE)	VI	171HS6T07	Employability Skills - IV
14	B. Tech (EEE)	VII	R164102A	Electrical Machine Modeling and Analysis
15	B. Tech (EEE)	VII	R164102C	Programmable Logic Controllers and Applications
16	B. Tech (EEE)	VIII	R1642022	HVDC Transmission
17	M. Tech (PED)	I	192PD1L01	Power Electronics Simulation Laboratory
18	M. Tech (PED)	I	192HS1T01	Research methodology and IPR
19	M. Tech (PED)	I	192MC1A01	English for Research Paper Writing
20	M. Tech (PED)	I	192MC1A02	Disaster Management
21	M. Tech (PED)	I	192MC1A03	Sanskrit for Technical Knowledge
22	M. Tech (PED)	I	192MC1A04	Value Education
23	M. Tech (PED)	I	192MC1A05	Constitution of India
24	M. Tech (PED)	I	192MC1A06	Pedagogy Studies
25	M. Tech (PED)	I	192MC1A07	Stress Management by Yoga
26	M. Tech (PED)	I	192MC1A08	Personality Development through Life Enlightenment Skills
27	M. Tech (PED)	I	192MC1A09	Soft Skills
28	M. Tech (PED)	II	192PD2L03	Electric Drives Simulation Laboratory
29	M. Tech (PED)	II	192PD2E07	Control & Integration of Renewable Energy Systems
30	M. Tech (PED)	II	192PD2E08	Hybrid Electric Vehicles


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31	M. Tech (PED)	II	192PD2E09	Digital Control Systems
32	M. Tech (PED)	II	192PD2E10	Advanced Digital Signal Processing
33	M. Tech (PED)	II	192PD2E11	Applications of Power Converters


BOS Chairperson

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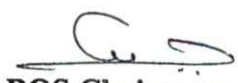
Department of Electrical and Electronics Engineering

Annexure-II

List of Courses Revised in the Academic Year 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (EEE)	I	191HS1T01	Communicative English
2	B. Tech (EEE)	I	191BS1T01	Differential Equations and Linear Algebra
3	B. Tech (EEE)	I	191BS1T04	Engineering Chemistry
4	B. Tech (EEE)	I	191BS1L02	Engineering Chemistry Lab
5	B. Tech (EEE)	I	191MC1A01	Environmental Science
6	B. Tech (EEE)	I	191ES1L02	Basic Engineering workshop
7	B. Tech (EEE)	II	191BS2T05	Partial Differential Equations and Vector Calculus
8	B. Tech (EEE)	II	191BS2T07	Applied Physics
9	B. Tech (EEE)	II	191BS2L05	Applied Physics Lab
10	B. Tech (EEE)	V	171EE5T13	Signals and Systems
11	B. Tech (EEE)	V	171EE5L06	Control Systems Lab
12	B. Tech (EEE)	VI	171EE6T16	Micro Processor and Micro Controllers
13	B. Tech (EEE)	VI	171EE6L08	Power Electronics Lab
14	B. Tech (EEE)	VII	R164102E	Optimization Techniques
15	M. Tech (PED)	I	192PD1T02	Analysis of Power Electronic Converters
16	M. Tech (PED)	I	192PD1L02	Power Converters Laboratory
17	M. Tech (PED)	I	192PD1E04	Artificial Intelligence Techniques
18	M. Tech (PED)	I	192PD1E05	Renewable Energy Technologies
19	M. Tech (PED)	I	192PD1E06	HVDC Transmission and Flexible AC Transmission Systems
20	M. Tech (PED)	II	192PD2T04	Power Electronic Control of Electrical Drives
21	M. Tech (PED)	II	192PD2L04	Electric Drives Laboratory


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BOS Chairperson
Head of The Department
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Department of Electrical and Electronics Engineering

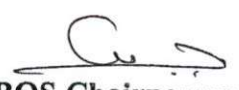
Annexure-III

Action Taken Report on Stakeholders Feedback in the Academic Year 2019-2020

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1.	4.14	Basic knowledge of software programming should be taught to students before the III semester	As per the employer feedback, software courses like "python programming and python programming lab" will be introduced in II and III semesters respectively in AR19 regulation.
2.	4.4	Online courses are to be added in the curriculum	Considering teachers feedback, EEE department is planning to introduce a Massive Open Online Courses (MOOCs) with a duration of minimum 12 weeks.
3.	4.2	More focus is to be given for "employability/entrepreneurship/skill development" programmes and ratification of the same.	Necessary measures will be taken for ratifying the courses having focus on Employability/entrepreneurship/skill development in the AR 19 B.Tech (EEE).
4.	4.4	Interactions are to be made for the students with Industry experts so that students will get the exposure to the industry	Considering employer feedback, a new course named "MOOCs" will be designed where students will get the opportunity to attend the online courses and be able to meet the experts from the industry.
5.	4.12	English Language and the communications of students can be improved by introducing a new lab course.	Considering alumni feedback, a course will be designed and named as "Professional Communications Skills Lab" and will be added in the II semester of AR20 regulation.
6.	4.14	It's better to introduce software courses from 1 st year	Necessary measures will be taken to replace the subject "Engineering Graphics & design" with Python/Data Structures.
7.	5.3	The DC machines course structure is vast and it's better to reduce the course contents	The course "DC machines" will be reduced and it will be modified.

8.	4.4	Online course are to be included in the curriculum, so that the students may gain the knowledge and can interact directly with professors from NIT/IIT and other reputed colleges	MOOCs will be introduced in the semester III and will be made as compulsory for the students.
9.	5.6	Students are showing interest to learn the artificial intelligence techniques.	In AR19, "Neural Networks for Signal Processing" is added as an elective for the VIII semester students.
10.	5.6	Students need to learn the basics of electric materials for insulation and measurements at the B.Tech level .	New courses named "Electrical Materials and Basic Electrical Measurements" are introduced for EEE students to gain more knowledge about the insulations and will be included in AR19 regulation.
11.	4.4	Students should possess a minimum idea of Constitution of INDIA	"Constitution of INDIA" is going to be added as a course in Semester I.
12.	4.4	Semester I & II syllabus has to be approved and is to be ratified	Necessary arrangements will be made for the approval and ratification of AR19 M.Tech syllabus.
13.	5.6	More knowledge on industrial systems can included in the curriculum.	In AR19, a course named "Industrial Electrical Systems" is added as an open elective course.
14.	4.4	Projects are to be developed and designed by the students that serves the social needs.	A course named "Socially Relevant Project" will be included in the curriculum of AR17 for semester V students.
15.	4.14	The course structure of "Basic Electrical And Electronics Engineering" is vast and is taking more hours to complete the syllabus	Considering students feedback, the course structure of "Basic Electrical And Electronics Engineering" will be reduced and will be modified.
16.	4.6	More focus is to be concentrated on employability / entrepreneurship / skill development courses	New courses like "Programmable Logic Controllers & Applications, Artificial Intelligence Techniques" will be included by considering Employability.


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

Date: 22-07-2019

Minutes of the IV meeting of BOS scheduled on 20-07-2019

The IV meeting of the BOS (Board of Studies) of ME was held on 20-07-2019 at 10:00 AM in the Ajivika Conference Hall, Bill Gates Bhavan, AEC. Dr.Bh.Vara Prasad, chairperson presided over the meeting.

Agenda 4.1: Welcome address by Chairperson-BOS

Prof Bh. Vara Prasad, BOS chairperson invited the distinguished members of BOS to the IV BOS Meeting.

Agenda 4.2: 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 12/11/2018.

Agenda 4.3: Discussion and ratification of the vision and mission of the department and Program Educational Objectives (PEOs). Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the programs under the department

The members of BOS discussed and ratified of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

Agenda 4.4: Discussion on proposed AR19 B.Tech (ME) Program structure, AR 19 B. Tech (ME) Program-I&II semesters syllabus and ratification of the same

BOS members approved AR 19 B. Tech (ME) program structure and AR 19 B. Tech. Program-I&II semesters syllabus of Engineering Mechanics, Engineering Graphics and Design, Engineering Workshop, Workshop-II, Basic Civil and Mechanical Engineering & Basic Civil and Mechanical Engineering Lab and ratified the same. After long discussions with the BOS members on the

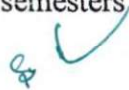

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proposed program structure of AR 19 B. Tech (ME) and AR 19 B.Tech. Program-I&II semester's syllabus, the following suggestions are made:

- Suggested to keep Physics/ Physics lab in I semester and Chemistry/ Chemistry lab in II semester for Mechanical Engineering.
- Suggested to add Robotics and 3D Printing, Introduction to material science, Operations Research, Introduction to Mechanics of Solids in Open Electives.
- Suggested to remove Solar Energy Utilization and add Advanced Fluid Mechanics in Program Elective IV.
- Suggested to add Lean Manufacturing in Program Elective III and Advanced Automobile Engineering from Program Elective III to Program Elective IV.
- Suggested to remove Black Smithy in work shop and increase one experiment in carpentry and one in Tin Smithy.
- Suggested to keep A. Nelson, F. L. Singer text books as the prescribed books for Engineering Mechanics.
- Suggested to keep Dieing and tapping in Work shop II for Mechanical and Mining Engineering.
- Suggested to follow university guidelines for Engineering Exploration Project in I semester.
- Suggested to remove Sections of Solids and Development of Surfaces in Unit III and keep Unit V as Unit IV and remove Conversion of Isometric to Orthographic representation in Engineering Graphics and Design, which is common for all the branches.
- Suggested to introduce Power Transmission in Unit IV of Basic Civil and Mechanical Engineering for Electrical Engineering.
- Suggested to keep six experiments for thermal engineering lab and six for Hydraulic Machinery lab and improve augmented experiments in basic Civil and Mechanical Engineering Lab for Electrical Engineering.
- Suggested to keep CAD/CAM subject in the Program Electives V.

Agenda 4.5: Discussion on proposed AR19 M.Tech (TE) Program structure, AR 19 M. Tech (TE) Program-I & II semesters syllabus and ratification of the same

BOS members approved the proposed AR19 M.Tech (TE) Program structure, AR 19 M. Tech (TE) Program-I&II semesters syllabus and ratified the same


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Agenda 4.6: Discussion on the courses having focus on employability/ entrepreneurship/ skill development in the programmes of B.Tech (ME), M.Tech (TE) and ratification of the same.

The members of BOS ratified the courses having focus on employability/ entrepreneurship/skill development in B.Tech (ME) and M.Tech (TE) programs.

Agenda 4.7: Discussion on the new courses offered in the B.Tech (ME) and M.Tech (T.E) programs and ratification of the same

The Members of BOS noted the new courses offered in B.Tech (ME) and M.Tech (TE) programs and ratified the same. The percentage of courses introduced in the academic year 2019-20 for B.Tech (ME) Program is 9% and for M.Tech (TE) Program is 27.5 %. The List of courses introduced is enclosed as Annexure-I.

Agenda 4.8: Discussion on the B.Tech (ME), M.Tech (TE) programmes in which Choice Based Credit System (CBCS)/ Elective Course System(ECS) is being implemented and ratification of the same.

The Members of BOS ratified the Choice Based Credit System (CBCS)/Elective Course System that is being implemented in B.Tech (ME) and M.Tech (TE) programs.

Agenda 4.9: Discussion on the percentage of syllabus revision done in B.Tech (ME) and M.Tech (TE) programs and ratification of the same

The syllabus revisions were done in the B.Tech (ME) and M.Tech (TE) programs based on the stakeholder's feedback on Curriculum. The BOS members have approved all the syllabus revisions in the B.Tech (ME) and M.Tech (TE) programs. The percentage of courses revised in the academic year 2019-20 for B.Tech (ME) Program is 31.76% and for M.Tech (TE) Program is 50%. The list of courses revised is enclosed as Annexure-II.

Agenda 4.10: Discussion on the value-added courses to be offered for students and ratification of the same

The BOS members ratified the various value-added courses identified for the students to be offered and suggested to include topics related to thrust areas.


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Agenda 4.11: Analysis of results

The BOS chairperson presented odd semester pass percentage for the A.Y.2019-20. The BOS members noted the same.

Agenda 4.12: Analysis of student's feedback& Action Taken Report

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

Agenda 4.13: 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 4.14: Any other item with the approval of Chairman.

NIL

Agenda 4.15: Scheduling of next Board of Studies meeting.

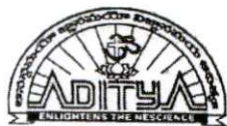
The next BOS meeting is tentatively scheduled in the month of November 2019.

Agenda 4.16: Vote of Thanks

Prof Bh. Vara Prasad, BOS Chairperson presented the Vote of thanks.


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BOS Chairperson
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Annexure-I

List of New Courses in the Academic Year 2019-20

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ME)	I	191MC1A02	Constitution of India
2	B. Tech (ME)	II	191ES2L07	Mechanical Engineering Workshop
3	B. Tech (ME)	II	191PR2P01	Engineering Exploration Project
4	B. Tech (ME)	V	171ME5E02	Mechanical Vibrations
5	B. Tech (ME)	V	171HS5T06	Employability Skills – III
6	B. Tech (ME)	VI	171HS6T07	Employability Skills – IV
7	B. Tech (ME)	VII	R1641038	Mechatronics Lab
8	B. Tech (ME)	VIII	R164203A	Thermal Equipment Design
9	M. Tech (TE)	I	192HS1T01	Research methodology and IPR
10	M. Tech (TE)	I/II	192MC1A01/192MC2A01	English for Research Paper Writing
11	M. Tech (TE)	I/II	192MC1A02/192MC2A02	Disaster Management
12	M. Tech (TE)	I/II	192MC1A03/192MC2A03	Sanskrit for Technical Knowledge
13	M. Tech (TE)	I/II	192MC1A04/192MC2A04	Value Education
14	M. Tech (TE)	I/II	192MC1A05/192MC2A05	Constitution of India
15	M. Tech (TE)	I/II	192MC1A06/192MC2A06	Pedagogy Studies
16	M. Tech (TE)	I/II	192MC1A07/192MC2A07	Stress Management by Yoga

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17	M. Tech (TE)	I/II	192MC1A08/192MC2A08	Personality Development through Life Enlightenment Skills
18	M. Tech (TE)	I/II	192MC1A09/192MC2A09	Soft Skills
19	M. Tech (TE)	II	192TE2E15	Modeling of I.C. Engines


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Annexure-II

List of Courses Revised in the Academic Year 2019-20

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ME)	I	191HS1T01	Communicative English
2	B. Tech (ME)	I	191BS1T01	Differential Equations and Linear Algebra
3	B. Tech (ME)	I	191BS1T02	Engineering Physics
4	B. Tech (ME)	I	191BS1L01	Engineering Physics Lab
5	B. Tech (ME)	I	191MC1A01	Environmental Science
6	B. Tech (ME)	I	191ES1L02	Basic Engineering Workshop
7	B. Tech (ME)	II	191BS2T05	Partial Differential Equations & Vector Calculus
8	B. Tech (ME)	II	191BS2T06	Chemistry of Materials
9	B. Tech (ME)	II	191ES2T02	Engineering Graphics and Design
10	B. Tech (ME)	II	191ES2T04	Engineering Mechanics
11	B. Tech (ME)	II	191BS2L04	Engineering Chemistry Lab
12	B. Tech (ME)	V	171ME5T11	Design Of Machine Members-II
13	B. Tech (ME)	V	171ME5E01	Automobile Engineering
14	B. Tech (ME)	V	171ME5L03	Thermal Engineering Lab
15	B. Tech (ME)	VI	171ME6T15	Metrology & Instrumentation
16	B. Tech (ME)	VI	171ME6E06	Non-Destructive Evaluation
17	B. Tech (ME)	VI	171ME6L04	Machine Tools Lab

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18	B. Tech (ME)	VI	171ME6L06	Metrology & Instrumentation Lab
19	B. Tech (ME)	VII	R1641037	CAD/CAM Lab
20	M. Tech (TE)	I	192TE1E05	Gas Turbines
21	M. Tech (TE)	I	192TE1E07	Energy Conservation and Management
22	M. Tech (TE)	I	192TE1L01	Computational Fluid Dynamics Lab-I
23	M. Tech (TE)	I	192TE1L02	Thermal Engineering lab-I
24	M. Tech (TE)	II	192TE2E11	Advanced Power Plant Engineering
25	M. Tech (TE)	II	192TE2E12	Combustion Emissions & Environment
26	M. Tech (TE)	II	192TE2E14	Automotive Engineering
27	M. Tech (TE)	II	192TE2L03	Computational Fluid Dynamics Lab-II
28	M. Tech (TE)	II	192TE2L04	Thermal Engineering Lab-II


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Annexure III

Action Taken Report on Stakeholders Feedback in the Academic Year 2019-20

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	4.13	Better to introduce skill oriented courses so that student may get extra skill.	As suggested from the employer, value added courses will be initiated.
2		Students should have knowledge on turbines and its applications.	As suggested, introduction to performance of turbines and pumps will be introduced into the curriculum.
3		The bridge between the theoretical aspects and real world is project based learning. And this lack of application of knowledge in the real world throughout the course of study is what hinders us from truly appreciating the things that we study.	According to the suggestions, Socially Relevant Project will be introduced to the curriculum as a Mandatory course after discussion made with the experts and deanacademics.
4	4.13	Automotive companies need better drawing analysing capability for product design.	As per suggestion and discussions made, conventional drawing will be introduced to the CAEDP subject.
5	4.13	Students need to be industry ready with skill sets to gain job.	As per suggestion, additional skill programs in association with APSSDC will be initiated to make the student with technical skill.
6	4.4	Better to have knowledge on CAD and its applications.	According to the suggestion, industry drawings will be taught in the curriculum once after the discussion made with dean academics.
7	4.13	Students should have knowledge on water and its utilization in an efficient manner.	According to the feedback, water management will be introduced into the curriculum.

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8	4.4	Better to add advanced manufacturing techniques.	According to the suggestions, lean manufacturing course will be introduced.
9	4.4	It is better student have basic knowledge on how it is implemented.	According to the feedback given, Engineering Exploration project will be introduced to the curriculum once after the discussion made with Professionals and experts.
10	4.12	It is Suggested to increase fieldbased learning.	As per discussion with dean academics, students were encouraged to visit more industrial visits during their curriculum.
11		Please reduce mechanics of solid syllabus.	According to the feedback and discussions made, necessary actions will be implemented.
12		Better to add programming related subjects to syllabus to get IT job.	As per suggestions, other department courses will be given for choice in OE's.
13	4.13	Better to acquire multiple technical skills to perform well in the stream.	As per the suggestions received, CFD lab will be introduced with new experiments.
14		Student requires strong technical knowledge, critical thinking, communication skills are in demand.	According to the suggestion, soft skills will be introduced into the curriculum.
15		Acquiring knowledge on fluids and its interactions and advanced fuels may increase the student ability in the core sector.	As per the suggestions, more advanced courses will be introduced with advanced topics in the electives.
16	4.12	It is better to have interaction with the industry experts on the latest advancements in the industry.	According to the suggestion, Industry – Institute Relation will be made through MoU and industry workshops and webinars will be initiated.


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Department of Electronics and Communication Engineering

Date: 21-07-2019

Minutes of the IV meeting of BOS scheduled on 20-07-2019

The IV meeting of the BOS of Electronics and Communication Engineering Department was held on 20-07-2019 at 09.30 AM.

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

Agenda 4.1: Welcome address by Chairman

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

Agenda 4.2: 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 10-11-2018.

Agenda 4.3: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

Members of BOS ratified the Vision and Mission of the department, PEOs, POs and PSOs of the Programs under the Department.

Agenda 4.4: Discussion on proposed AR19 B.Tech (ECE) program structure, I & II semesters syllabus and ratification of the same.

After long discussions with the BOS members on the proposed program structure (AR19) based on the AICTE model curriculum and the following suggestions are made:

- Suggested to make Network Analysis by M E Van Valkenburg and Electric Circuits-Schaum's series by Mahmood Nahvi as Text Books of Network Analysis course in I semester.
- Suggested to prefer any Two Standard Books as Text Books in every course.
- Suggested to complete experiments in 1 hour session and evaluate the experiment through different assignments in remaining 2 hours session in Electronic Workshop course.
- Suggested to include Digital equipment like DSO in the Electronic Workshop course.
- Suggested to incorporate more computer based subjects in the curriculum.
- Suggested to internal evaluation should be in different ways.

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- Suggested to include Internet of Things course in V or VI semester instead of III semester.
- Suggested to include the Communication related subjects like Computer Networks in the curriculum.
- Suggested to prepare semester wise courses in reverse order from VIII semester to I semester in the curriculum.
- Suggested to check whether the basic concepts like Coordinate Theory and Vector Calculus is included in the mathematics courses.
- Suggested to combine two courses with same track or specialization.
- Suggested to replace Biomedical Engineering with Biomedical Instrumentation in Open electives for other departments
- Suggested to make CAD tools as ECAD Tools in the open Elective III.
- Suggested to prepare core MOOCs courses list for the students to choose and alternate course for MOOCs as a choice.
- Suggested to record the presentation of final year project and evaluate accordingly.
- Suggested to arrange the MOOCs courses before VIII semester

Agenda 4.5: Discussion on proposed AR19 M.Tech (VLSI) & AR19 M.Tech (ES) program structures, I & II semesters syllabus and ratification of the same.

BOS members approved AR19 M.Tech (VLSI) & AR19 M.Tech (ES) program structures, I & II semesters syllabus and ratified the same.

Agenda 4.6: Discussion on the courses having focus on employability/entrepreneurship/skill development in B.Tech (ECE), M.Tech (VLSI Design) & M.Tech (ES) programs and ratification of the same.

The members of BOS ratified the courses having focus on employability/entrepreneurship/skill development in the B.Tech (ECE), M.Tech (VLSI Design) & M.Tech (ES) programs.

Agenda 4.7: Discussion on the new courses offered in the B.Tech (ECE), M.Tech (VLSI Design) & M.Tech (ES) programs and ratification of the same

Members of BOS noted the new courses offered in the B.Tech (ECE), M.Tech (VLSI Design) & M.Tech (ES) programs and ratified the same. Percentage of new courses introduced in the academic year 2019-2020 for B.Tech (ECE) is 10.47 %, M.Tech (VLSI Design) is 72.22 % and M.Tech (ES) is 69.44 %. The list of new courses is enclosed as Annexure-I.

Agenda 4.8: Discussion on the B.Tech (ECE), M.Tech (VLSI Design) & M.Tech (ES) Programs in which Choice Based Credit System (CBCS)/Elective Course system is being implemented and ratification of the same.

Members of BOS ratified the choice based credit systems (CBCS) Elective Course system that is being implemented in B.Tech (ECE), M.Tech (VLSI Design) & M.Tech (ES) programs.

Agenda 4.9: Discussion on the percentage of syllabus revision done in the B.Tech (ECE), M.Tech (VLSI Design) & M.Tech (ES) programs and ratification of the same.

The syllabus revision was done in the B.Tech (ECE), M.Tech (VLSI Design) & M.Tech (ES) programs based on the stakeholders feedback on curriculum. The BOS members have Approved all the syllabus revisions in B.Tech (ECE), M.Tech (VLSI Design) & M.Tech (ES) programs. The percentage of courses revised in the academic year 2019-2020 for the B.Tech (ECE) is 34.5% M.Tech (VLSI Design) is 72.2% and M.Tech(ES) is 77.7%.The list of courses revised during the academic year 2019-2020 is enclosed as Annexure-II.

Agenda4.10: Discussion on the value-added courses offered for students and ratification of the same.

Members of BOS ratified the value- added courses identified for the students to be offered and suggested to include topics related to thrust areas.

Agenda 4.11: 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 4.12: 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 4.13: 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 4.15: Any other item/s with the approval of Chairperson.


Suggested to include Industrial oriented internship in III Year I Semester with a period of 2 to 3 weeks with 2 credits and ratified.

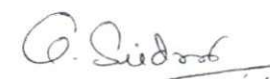
Agenda 4.16: Scheduling of next Board of Studies meeting.

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

Agenda 4.17: Vote of Thanks

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


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BOS Chairperson
Head of the Department
Department of E.C.E.
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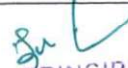
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Department of Electronics and Communication Engineering

Annexure-I


List of New Courses in the Academic Year 2019-2020

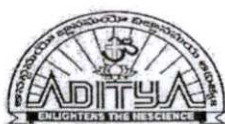
S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ECE)	I	191MC1A02	Constitution of India
2	B. Tech (ECE)	II	191PR2P01	Engineering Exploration Project
3	B. Tech (ECE)	V	171HS5T06	Employability Skills - III
4	B. Tech (ECE)	VI	171HS6T07	Employability Skills - IV
5	B. Tech (ECE)	II	191ES2L09	Electronics Engineering Workshop
6	B. Tech (ECE)	V	171EC5S01	MOOCs – I
7	B. Tech (ECE)	VI	171EC6E04	CPLD and FPGA Architectures
8	B. Tech (ECE)	VI	171EC6S02	MOOCs – II
9	B. Tech (ECE)	VII	R164104C	System Design through Verilog
10	M.Tech (VLSID)	I	192HS1T01	Research methodology and IPR
11	M.Tech (VLSID)	I	192MC1A01	English for Research Paper Writing
12	M.Tech (VLSID)	I	192MC1A02	Disaster Management
13	M.Tech (VLSID)	I	192MC1A03	Sanskrit for Technical Knowledge
14	M.Tech (VLSID)	I	192MC1A04	Value Education
15	M.Tech (VLSID)	I	192MC1A05	Constitution of India
16	M.Tech (VLSID)	I	192MC1A06	Pedagogy Studies
17	M.Tech (VLSID)	I	192MC1A07	Stress Management by Yoga
18	M.Tech (VLSID)	I	192MC1A08	Personality Development through Life Enlightenment Skills
19	M.Tech (VLSID)	I	192MC1A09	Soft Skills
20	M.Tech (VLSID)	I	192VD1E01	VLSI Technology
21	M.Tech (VLSID)	I	192VD1E02	Nano materials and Nano technology
22	M.Tech (VLSID)	I	192VD1E03	MEMS Technology
23	M.Tech (VLSID)	I	192VD1E04	Device Modelling
24	M.Tech (VLSID)	I	192VD1E05	Nano-Electronics
25	M.Tech (VLSID)	I	192VD1E06	Photonics
26	M.Tech (VLSID)	I	192VD1L01	CMOS Analog IC Design Lab
27	M.Tech (VLSID)	I	192VD1L02	CMOS Digital IC Design Lab
28	M.Tech (VLSID)	II	192VD2T03	Mixed Signal & RF IC Design


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29	M.Tech (VLSID)	II	192VD2T04	Physical Design Automation
30	M.Tech (VLSID)	II	192VD2E08	IoT & Its Applications
31	M.Tech (VLSID)	II	192VD2E10	Microcontrollers & programmable Digital Signal Processors
32	M.Tech (VLSID)	II	192EM2E11	Network Security & Cryptography
33	M.Tech (VLSID)	II	192VD2L03	Mixed Signal IC Design Lab
34	M.Tech (VLSID)	II	192VD2L04	Physical Design Automation Lab
35	M.Tech (VLSID)	II	192VD2P01	Mini Project with Seminar
36	M.Tech (ES)	I	192HS1T01	Research methodology and IPR
37	M.Tech (ES)	I	192MC1A01	English for Research Paper Writing
38	M.Tech (ES)	I	192MC1A02	Disaster Management
39	M.Tech (ES)	I	192MC1A03	Sanskrit for Technical Knowledge
40	M.Tech (ES)	I	192MC1A04	Value Education
41	M.Tech (ES)	I	192MC1A05	Constitution of India
42	M.Tech (ES)	I	192MC1A06	Pedagogy Studies
43	M.Tech (ES)	I	192MC1A07	Stress Management by Yoga
44	M.Tech (ES)	I	192MC1A08	Personality Development through Life Enlightenment Skills
45	M.Tech (ES)	I	192MC1A09	Soft Skills
46	M.Tech (ES)	I	192EM1T02	Microcontrollers and Programmable Digital Signal Processors
47	M.Tech (ES)	I	192EM1E01	Digital Signal and Image Processing
48	M.Tech (ES)	I	192EM1E02	Parallel Processing
49	M.Tech (ES)	I	192EM1E03	VLSI signal processing
50	M.Tech (ES)	I	192EM1E04	Programming Languages for Embedded Systems
51	M.Tech (ES)	I	192EM1E05	System Design with Embedded Linux
52	M.Tech (ES)	I	192EM1E06	CAD for Digital System
53	M.Tech (ES)	I	192EM1L01	Embedded System Design Lab(using Embedded-C)
54	M.Tech (ES)	I	192EM1L02	Microcontrollers and Programmable Digital Signal Processors Lab
55	M.Tech (ES)	II	192EM2E07	Memory Architectures
56	M.Tech (ES)	II	192EM2E08	SoC Design
57	M.Tech (ES)	II	192EM2E10	Communication Buses and Interfaces
58	M.Tech (ES)	II	192EM2E12	Physical Design Automation
59	M.Tech (ES)	II	192EM2L04	Digital System Design Lab
60	M.Tech (ES)	II	192EM2P01	Mini Project with Seminar


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 BOS Chairperson
 Head of the Department
 Department of E.C.E.
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Annexure-II

List of Courses Revised in the Academic Year 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (ECE)	I	191HS1T01	Communicative English-I
2	B. Tech (ECE)	I	191BS1T01	Differential Equations and Linear Algebra
3	B. Tech (ECE)	I	191BS1T03	Applied Physics
4	B. Tech (ECE)	I	191ES1T01	Programming for Problem Solving Using C
5	B. Tech (ECE)	I	191HS1L01	Communicative English Lab-I
6	B. Tech (ECE)	I	191BS1L03	Applied Physics Lab
7	B. Tech (ECE)	I	191ES1L01	Programming for Problem Solving Using C Lab
8	B. Tech (ECE)	I	191ES1L02	Basic Engineering Workshop
9	B. Tech (ECE)	I	191MC1A01	Environmental Science
10	B. Tech (ECE)	II	191BS2T08	Transform Techniques
11	B. Tech (ECE)	II	191BS2T09	Engineering Chemistry
12	B. Tech (ECE)	II	91ES2T02	Engineering Graphics and Design
13	B. Tech (ECE)	II	191ES2T07	Basic Electrical Engineering
14	B. Tech (ECE)	II	191HS2L02	Communicative English Lab -II
15	B. Tech (ECE)	II	191BS2L04	Engineering Chemistry Lab
16	B. Tech (ECE)	V	171EC5E01	Computer Architecture and Organization
17	B. Tech (ECE)	VI	171EC6T14	VLSI Design
18	B. Tech (ECE)	VI	171EC6L08	VLSI lab
19	B. Tech (ECE)	VI	171EC6L08	Digital Communications Lab
20	B. Tech (ECE)	VII	R1641042	Digital Image Processing
21	B. Tech (ECE)	VII	R1641048	Digital Signal Processing Lab
22	M. Tech(ES)	II	192EM2E11	Network Security and Cryptography


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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	4.13	Student should know his/her primary rights, duties and responsibilities as a citizen. Usually this is neglected. It is suggested to include a course where students come to know their rights and duties.	Constitution of India is included in the I semester to facilitate the suggestion.
2	4.13	Focus on course related to entrepreneurship.	Suggestion will be taken forward to the concerned body and changes will be incorporated with proper approval.
3	4.13	The IT field's curriculum is ineffective for students	IT domain specific courses will be introduced more in number based on the concerned body approval
4	4.13	students would benefit if they are provided with practical exposure such as projects or internships in the early semesters itself so that they can be industry ready by the end of their graduation.	Engineering Exploration Project is introduced in the II semester. As a part of this activity, students can interact globally to carry out various projects and can have practical exposure.
5	4.13	There is a tremendous need for engineering and medical collaborative projects and innovations. Students can benefit if a relevant course is made a part of curriculum.	Biomedical Engineering is included in the VI semester, this course provides an insight to the afore said engineering and medical collaborative innovations which can meet the societal needs.
6	4.13	Few specific theory and related laboratory courses are not aligned in the same semester. It would be fruitful if they exist in the same semester.	Care will be taken in this aspect based on the recommendations given by the concerned body.
7	4.13	Include skill-oriented courses so that the students will meet the industry requirements.	Employability Skills courses are introduced in V and VI semesters to facilitate this requirement.

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8	4.13	Students should be encouraged to take part in value-added courses in as many numbers as possible so that they can interact globally	The suggestion will be taken forward to the advisory committee and action will be taken according to the committee recommendations.
9	4.13	Students should be motivated towards obtaining NPTEL courses which has numerous benefits	The suggestion will be taken forward to the advisory committee and action will be taken according to the committee recommendations and guidelines.
10	4.12	Apart from the existing labs, it would be helpful to the students if a lab is made a part of curriculum which includes hands on session such as soldering, designing and using the electronic components which are used in real time applications.	Electronics Engineering Workshop lab is included in the II semester and the experiments included in the lab are in such a way to meet the requirement as suggested by the students.
11	4.12	Signal processing and image processing courses are vast area where a student can carry research or find a career. Please incorporate course closely related to this domain. It will help the student to a great extent.	CPLD and FPGA Architectures and System Design through Verilog, are introduced in the VI and VII semesters respectively to have an exposure on cutting edge technologies related to signal processing and image processing.
12	4.12	Need more courses which bridges an exposure for the students to keep themselves updated towards trending technologies	Courses with cutting-edge technologies will be included as a part of curriculum with proper approval and recommendations.
13	4.13	Students after entering into the corporate world or in their respective careers, are not able to balance their professional and personal life because of the work stress, this has to be addressed in some or the other way.	It is well known fact and also suggested by our ancestors that YOGA helps an individual in many aspects, especially in stress management. A course Stress Management by Yoga is included in I and II semesters so as to inculcate in daily routine of the students'
14	4.13	Students need guidelines in moulding one's self to get adjusted in the corporate world or when being a part of society. Would be helpful if such guidance is a part of curriculum	Personality Development through Life Enlightenment, Value Education, Pedagogy Studies, Soft Skills facilitates the requirements suggested by the alumni.
15		Publications is a part of research and higher studies. Introducing courses closely related in this	English for Research Paper Writing, Pedagogy Studies Mini Project with Seminar

	4.13	aspect will help students in inculcating the research skills in them.	courses being a part of curriculum will help the students in improving their research skills.
16	4.13	Students need to be taught about human values, ethics to mould themselves as good citizens. It helps students if such aspects are included in the curriculum	Constitution of India, Sanskrit for Technical Knowledge, Value Education courses are introduced to fulfil the requirements suggested by parents.
17	4.12	Need more hands-on session exposure which facilitates students in practical learning of concepts	CMOS Analog IC Design Lab, CMOS Digital IC Design Lab, Mixed Signal IC Design Lab included in I and II semesters respectively which are VLSI domain specific facilitating students in learning practically.
18	4.13	Students after entering into the corporate world or in their respective careers, are not able to balance their professional and personal life because of the work stress, this has to be addressed in some or the other way.	It is well known fact and also suggested by our ancestors that YOGA helps an individual in many aspects, especially in stress management. A course Stress Management by Yoga is included in I and II semesters so as to inculcate in daily routine of the students'
19	4.13	Students need guidelines in moulding one's self to get adjusted in the corporate world or when being a part of society. Would be helpful if such guidance is a part of curriculum	Personality Development through Life Enlightenment, Value Education, Pedagogy Studies, Soft Skills facilitates the requirements suggested by the alumni.
20	4.13	Publications is a part of research and higher studies. Introducing courses closely related in this aspect will help students in inculcating the research skills in them.	English for Research Paper Writing, Pedagogy Studies Mini Project with Seminar courses being a part of curriculum will help the students in improving their research skills.
21	4.13	Students need to be taught about human values, ethics to mould themselves as good citizens. It helps students if such aspects are included in the curriculum	Constitution of India, Sanskrit for Technical Knowledge, Value Education courses are introduced to fulfil the requirements suggested by parents.
22	4.12	Need more hands-on session exposure which facilitates students in practical learning of concepts	CMOS Analog IC Design Lab, CMOS Digital IC Design Lab, Mixed Signal IC Design Lab included in I and II semesters respectively which

		are VLSI domain specific facilitating students in learning practically.
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G. Seidra

BOS Chairperson

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

Date: 22-07-2019

Minutes of the IV meeting of BOS scheduled on 20-07-2019

The 4th meeting of the BOS of CSE was held on 20th July 2019 at 10.00 AM, Ajivika Conference Hall, Bill Gates Bhavan. Prof A. Vanathi, Chairperson presided over the meeting.

Agenda 4.1: Welcome address by Chairman

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

Agenda 4.2: 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 17/11/2018.

Agenda 4.3: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes(PSOs) of the Programs under the Department.

Members of BOS ratified the Vision and Mission of the department, PEOs, POs and PSOs of the Programs under the Department.

Agenda 4.4: Discussion on proposed AR19 B. Tech (CSE) program structure, I & II semesters syllabus and ratification of the same.

The BOS members approved the AR19 B. Tech (CSE) course structure after making the following changes in the proposed syllabi:

- Suggested to include syllabus related to CSE&IT branches in Engineering Chemistry course.
- Suggested to add Open-Source Tools and Generic Cloud services (not as Google or Outlook) in IT Workshop Lab
- Suggested to include C++ syllabus in UNIT-I&II and Data structures syllabus in the remaining units for the Course "Data structures through C++".
- Suggested to include same level of questions in augmented experiments.
- Suggested to name language courses like C, C++, Java, etc., as Interactive Programming-I, II etc., (as course names).
- Suggested to include Management Science in open elective courses or to update the syllabus which includes ethics, IPR and so on.

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- Suggested to include Digital Marketing as one of the course in open electives.
- Suggested to reduce the number of tracks for Professional Elective courses from 5 to 4 and include the courses in the tracks order.
- Suggested to revise the Elective tracks and the courses in it.
- Suggested to include Middleware Technologies course in Elective courses.
- Suggested to extend the Agile methodologies course to Agile methodologies and Devops in Software Engineering Elective track.

Agenda 4.5: Discussion on proposed AR19 M. Tech (CSE) program structure, I & II semesters syllabus and ratification of the same.

BOS members approved AR 19 M. Tech (CSE) program structure, I & II semesters syllabus and ratified the same.

Agenda 4.6 : Discussion on the courses having focus on employability / entrepreneurship /skill development in the programs of B. Tech (CSE) and M. Tech, (CSE) and ratification of the same.

The members of BOS ratified the courses having focus on employability/entrepreneurship/skill development in the AR 19 B. Tech (CSE) and M. Tech (CSE) program.

Agenda 4.7: Discussion on the new courses offered in the B. Tech (CSE) and M. Tech (CSE) programs and ratification of the same

Members of BOS noted the new courses offered in the B. Tech (CSE) and M. Tech (CSE) program and ratified the same. The percentage of new courses introduced during the academic year 2019-20 for B. Tech (CSE) is 28.89 % and M. Tech (CSE) is 62.86 %. The list of new courses is enclosed as Annexure-I.

Agenda 4.8: Discussion on the B. Tech (CSE) and M. Tech (CSE) Programs in which Choice Based Credit System (CBCS)/elective course system is being Implemented and ratification of the same.

Members of BOS ratified the Choice Based Credit System (CBCS)/elective course system that is being implemented in B. Tech (CSE) and M. Tech (CSE) program.

Agenda 4.9: Discussion on the percentage of syllabus revision done in the B. Tech (CSE) and M. Tech (CSE) program and ratification of the same.

The syllabus revisions were done in B. Tech (CSE) and M. Tech (CSE) based on the stakeholders feedback on Curriculum. The BOS members have approved all the syllabus revisions in both B. Tech (CSE) and M. Tech (CSE). The percentage of courses revised in this academic year 2019-20 for B. Tech (CSE) is 32.22 % and M. Tech (CSE) is 74.29 %. The list of courses revised is enclosed as Annexure-II.


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Agenda 4.10: Discussion on the value-added courses offered for students and ratification of the same.

Members of BOS ratified the various value-added courses identified for the students to be offered.

Agenda 4.11: 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 4.12: Analysis of Students Feedback & Action Taken Report

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

Agenda 4.13: 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 4.14: Any other item/s

- Suggested that every faculty should train on "Design and Thinking", which is useful for handling subjects.
- Suggested to add new technologies in elective courses to fill the gap between industry and academics
- Suggested to provide more industrial training to students.

Agenda 4.15: Scheduling of the next BOS meeting.

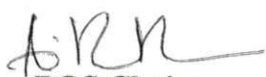
The next BOS meeting is tentatively scheduled in the month of December, 2019.

Agenda 4.16: Vote of Thanks

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



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BOS Chairperson
Head of the Department
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Annexure-I

List of New Courses in the Academic Year 2019-20

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (CSE)	I	191MC1A02	Constitution of India
2	B. Tech (CSE)	II	191PR2P01	Engineering Exploration Project
3	B. Tech (CSE)	II	191ES2T03	Essential Electrical and Electronics Engineering
4	B. Tech (CSE)	II	191ES2T09	Data Structures through C++
5	B. Tech (CSE)	II	191ES2L10	Data Structures Through C++ Lab
6	B. Tech (CSE)	V	171HS5T06	Employability Skills – III
7	B. Tech (CSE)	V	171CS5E02	Advanced Computer Architecture
8	B. Tech (CSE)	V	171CS5S01	MOOCs – I
9	B. Tech (CSE)	VI	171HS6T07	Employability Skills – IV
10	B. Tech (CSE)	VI	171CS6E05	Software Quality Assurance
11	B. Tech (CSE)	VI	171CS6E06	Bio Informatics
12	B. Tech (CSE)	VI	171CS6E07	Human Computer Interaction
13	B. Tech (CSE)	VI	171CS6E08	Social Networks and Semantic Web
14	B. Tech (CSE)	VI	171CS6E09	Pattern Recognition
15	B. Tech (CSE)	VI	171CS6E10	Parallel Computing
16	B. Tech (CSE)	VI	171CS6E11	Storage Area Networks
17	B. Tech (CSE)	VI	171CS6E12	E – Commerce
18	B. Tech (CSE)	VI	171CS6S02	MOOCs – II
19	B. Tech (CSE)	VII	R1641052	Software Architecture & Design Patterns

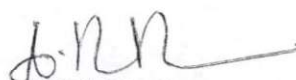
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20	B. Tech (CSE)	VII	R164105A	Big Data Analysis
21	B. Tech (CSE)	VII	R164105B	Information Retrieval Systems
22	B. Tech (CSE)	VII	R164105F	Scripting Languages
23	B. Tech (CSE)	VII	R1641057	Software Architectures & Design Patterns Lab
24	B. Tech (CSE)	VIII	R164205A	Concurrent and Parallel Programming
25	B. Tech (CSE)	VIII	R164205B	Artificial Neural Network
26	B. Tech (CSE)	VIII	R164205C	Operation Research
27	M. Tech (CSE)	I	192CS1E04	Advanced Computer Networks
28	M. Tech (CSE)	I	192CS1E06	Object Oriented Software Engineering
29	M. Tech (CSE)	I	192HS1T01	Research Methodology and IPR
30	M. Tech (CSE)	I	192CS1L02	Advanced Computing Lab
31	M. Tech (CSE)	II	192CS2T04	MEAN Stack Technologies
32	M. Tech (CSE)	II	192CS2E07	Advanced Databases and Mining
33	M. Tech (CSE)	II	192CS2E08	Ad Hoc & Sensor Networks
34	M. Tech (CSE)	II	192CS2E09	Soft Computing
35	M. Tech (CSE)	II	192CS2E11	Principles of computer security
36	M. Tech (CSE)	II	192CS2E12	High Performance Computing
37	M. Tech (CSE)	II	192CS2L03	Machine Learning with Python lab
38	M. Tech (CSE)	II	192CS2L04	MEAN Stack Technologies Lab
39	M. Tech (CSE)	II	192CS2P01	Mini Project with Seminar
40	M. Tech (CSE)	I	192MC1A01	English for Research Paper Writing
41	M. Tech (CSE)	I	192MC1A02	Disaster Management
42	M. Tech (CSE)	I	192MC1A03	Sanskrit for Technical Knowledge
43	M. Tech (CSE)	I	192MC1A04	Value Education
44	M. Tech (CSE)	I	192MC1A05	Constitution of India


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45	M. Tech (CSE)	I	192MC1A06	Pedagogy Studies
46	M. Tech (CSE)	I	192MC1A07	Stress Management by Yoga
47	M. Tech (CSE)	I	192MC1A08	Personality Development through Life Enlightenment Skills
48	M. Tech (CSE)	I	192MC1A09	Soft Skills


BOS Chairperson

Head of the Department
Department of CSE
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Annexure-II

List of Courses Revised in the Academic Year 2019-20

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (CSE)	I	191BS1T03	Applied Physics
2	B. Tech (CSE)	II	191BS2T10	Numerical Methods and Complex Variables
3	B. Tech (CSE)	V	171CS5E04	Software Testing Methodologies
4	M. Tech (CSE)	I	192CS1T01	Mathematical Foundations of Computer Science
5	M. Tech (CSE)	I	192CS1E01	Big Data Analytics
6	M. Tech (CSE)	I	192CS1E05	Internet of Things
7	M. Tech (CSE)	II	192CS2T03	Machine Learning

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BOS Chairperson

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Annexure-III

Action Taken Report on Stakeholders Feedback in the Academic Year 2019-20


S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	4.13	Bridge the Gap between Industry Standards and Curriculum	Courses like Engineering Exploration Project, Internship and Socially relevant Project are included in the AR 19 which facilitates the students as industry ready.
		Suggested that every students should have github and linkedIn profile to get connected to Professional Network.	All the students are instructed to create Github account and to push all the source codes developed by them. LinkedIn profile is also created.
		Conduct courses to improve technical skills of students	New courses has been included in the syllabus which are boom in industry now like Artificial Neural Network is included
2	4.13	Motivate the students to participate in various coding contest which helps them to crack higher packages.	The students were given specific training on problem solving, motivated to practice problems in various coding platforms and making them to participate in coding contest like TCS codevita, Infyq, Google kickstart, Virtusa NeuralHack etc.,
		The Students must improve the communication skills.	A corporate trainer is appointed for the Soft skill training. The students are engaged in Group Discussion.

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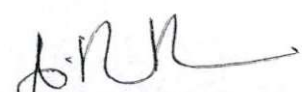
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			Debates etc. The mock interviews are conducted for the students to make them ready for placement drives.
		Women studies Courses Should be started at UG Level.	-
3	4.13	The orientation of syllabus should be enriched with more case studies.	The case studies are incorporated for the courses like Software Engineering, Object Oriented Analysis Design and Software Testing methodologies in the AR 19 curriculum.
		Syllabus should be more competitive	Revised syllabus for every three years
		Research related course should be developed	R&D centre is available.
4	4.12	Need training to crack the competitive exams	It is decided to provide training for GATE/CAT/ GRE etc.
		Choice based credit courses / audit courses should be included	Audit courses are included in the syllabus.
		Syllabus satisfying the course objectives	BOS team is completely involved in it.
5	4.13	Add-on skill-based certification courses to be started.	Training and placement cell (to develop a fresher and alumni student database for easy talent identification facilitate telephonic/ online interviews are made regular..
		Students and teaching faculties should be technosavvy	Formal instructions were dispersed to competent authority for appropriate actions on the issues of effective use of ICT by teachers.
		Suggested to the BOS to define POs in consultation with a greater number of industries for future syllabi revisions.	Program Objectives be designed in consultation with industries.


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6	4.13	Evidence based practical demonstration Should be incorporated.	All the teachers were notified about the issue and they were encouraged to have and give more Evidence based training as a part of their curriculum.
		Suggested to university's knowledge Development cell and Central Library to increase number of digitized reference books, share open resource weblinks and subscription links with students, and provide login access to the digital library facilities for digitized learning.	Online access to digital resources(open and subscription) be provided by Library for referencing was made available
7	4.13	E- Waste recycling must be encouraged among students.	Students spread awareness about e waste among student community education program and extension activities.
		Suggested to the higher authorities to develop and extend facility of an independent low bandwidth LMS platform for teaching and evaluation.	Facilities an independent LMS platform for teaching activities and evaluation is made.
8	4.12	Online Library with articles, SCI Papers, Journals need to incorporate.	Planning to develop our own E- Library by the college management.
		Need to provide awareness on plagiarism tools	Awareness program on Research rejuvenation is organized.


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BOS Chairperson
Head of the Department
Department of CSE
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Department of Information Technology

Date: 23-07-2019

IV BOS Minutes of Meeting held on 20/07/2019

The 4th meeting of the BOS for IT was held on 20th July 2019 at 10.00AM, Ajivika Conference Hall, Bill Gates Bhavan. Mr. M. Raja Babu, Chairperson presided over the meeting.

Agenda 4.1: Welcome address by Chairperson-BOS.

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

Agenda 4.2: 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 17/11/2018.

Agenda 4.3: Discussion on proposed AR19 B.Tech Program structure, AR19 B.Tech(IT) Program – I & II semesters syllabus and ratification of the same.

The members of BOS ratified the AR 19 I&II Semesters B.Tech syllabus after incorporating the following changes:

- Suggested to name language courses like C, C++ , java ,etc., as Interactive Programming-I, II etc., (as course names).
- Suggested to include Management Science in open elective courses or to update the syllabus which includes ethics, IPR and so on.
- Suggested to include Digital Marketing as one of the course in open electives.
- Suggested to reduce the number of tracks for Professional Elective courses from 5 to 4 and include the courses in the tracks order.
- Suggested to revise the Elective tracks and the courses in it.
- Suggested to include Middleware Technologies course in Elective courses.
- Suggested to extend the Agile methodologies course to Agile methodologies and Devops in Software Engineering Elective track.


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Agenda 4.4: Discussion on proposed AR19 M.Tech Program structure, AR19 M.Tech Program – I & II semesters syllabus and ratification of the same.

The members of BOS ratified the AR19 M.Tech Program structure, AR19 M.Tech Program – I & II semesters syllabus and ratification of the same.

Agenda 4.5: Discussion on the courses having focus on employability/entrepreneurship/skill development in B.Tech (IT) and M.Tech (Software Engineering) programs and ratification of the same.

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

Agenda 4.6: Discussion on the new courses offered in B.Tech (IT) and M.Tech (Software Engineering) programs and ratification of the same.

Members of BOS noted the new courses offered in B.Tech (IT) and M.Tech (Software Engineering) programs and ratified the same. The percentage of new courses introduced in this academic year 2019-2020 for B.Tech (IT) is 36.55% and M.Tech (Software Engineering) is 53.65%. The list of new courses during the academic year 2019-2020 enclosed as Annexure-I.

Agenda 4.7: 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 Choice Based Credit System (CBCS)/elective course system that is being implemented in B.Tech (IT) and M.Tech (Software Engineering) programs.

Agenda 4.8: 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 4.9: Discussion on the percentage of syllabus revision done in B.Tech(IT) and M.Tech(Software Engineering) programs and ratification of the same.

The Chairperson presented 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 2019-2020 for B.Tech (IT) is 40.86% and M.Tech (Software Engineering) is 80.48%. The list of courses revised is enclosed as Annexure-II.


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Agenda 4.10: Analysis of Results

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2018-19 and ratified the same.

Agenda 4.11: 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.

Agenda 4.12: 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 4.13: Any other item/s

- Suggested to conduct induction program for 3 weeks before 1st semester.
- Suggested that every faculty should train on "Design and Thinking", which is useful for handling subjects.
- Suggested to add new technologies in elective courses to fill the gap between industry and academics
- Suggested to provide more industrial training to students.

Agenda 4.14: Scheduling of the next BOS meeting.


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

Agenda 4.15: 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 2019-20

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (IT)	I	19IMC1A02	Constitution of India
2	B. Tech (IT)	II	191PR2P01	Engineering Exploration Project
3	B. Tech (IT)	II	191ES2T03	Essential Electrical and Electronics Engineering
4	B. Tech (IT)	II	191ES2T09	Data Structures Through C++
5	B. Tech (IT)	II	191ES2L10	Data Structures Through C++ Lab
6	B. Tech (IT)	V	171IT5T02	Computer Networks
7	B. Tech (IT)	V	171CS5E02	Advanced Computer Architecture
8	B. Tech (IT)	V	171IT5E01	Artificial Intelligence
9	B. Tech (IT)	V	171IT5S01	MOOCs – I
10	B. Tech (IT)	VI	171IT6E02	Neural Networks
11	B. Tech (IT)	VI	171IT6E03	Design and Analysis of Algorithms
12	B. Tech (IT)	VI	171IT6E04	Advanced Computer Networks
13	B. Tech (IT)	VI	171IT6E05	Multimedia Programming
14	B. Tech (IT)	VI	171IT6L03	Unified Modeling Language Lab
15	B. Tech (IT)	VI	171IT6S02	Moocs – II

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16	B. Tech (IT)	VI	171CS6E05	Software Quality Assurance
17	B. Tech (IT)	VI	171CS6E08	Social Networks And Semantic Web
18	B. Tech (IT)	VI	171CS6E10	Parallel Computing
19	B. Tech (IT)	VI	171CS6E12	E-Commerce
20	B. Tech (IT)	VII	R1641121	Data Ware Housing and Business Intelligence
21	B. Tech (IT)	VII	R164105A	Big Data Analytics
22	B. Tech (IT)	VII	R164105B	Information Retrieval Systems
23	B. Tech (IT)	VII	R164112A	Internet of Things
24	B. Tech (IT)	VII	R164112B	Multimedia Programming
25	B. Tech (IT)	VII	R164112C	Machine Learning
26	B. Tech (IT)	VII	R164112D	Decision Support System
27	B. Tech (IT)	VII	R1641126	Mobile Computing Lab
28	B. Tech (IT)	VII	R1641128	Cryptography and Network Security Lab
29	B. Tech (IT)	VIII	R1642121	Management Information System
30	B. Tech (IT)	VIII	R164212A	Cyber Security
31	B. Tech (IT)	VIII	R164212B	Software Quality Assurance
32	B. Tech (IT)	VIII	R164205B	Artificial Neural Networks
33	B. Tech (IT)	V	171HS5T06	Employability Skills-III
34	B. Tech (IT)	VI	171HS6T07	Employability Skills-IV
35	M. Tech (SE)	I	192SO1T01	Software Engineering
36	M. Tech (SE)	I	192SO1T02	Advanced-Data Structures
37	M. Tech (SE)	I	192SO1E02	Machine Learning


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38	M. Tech (SE)	I	192CO1E06	Internet of Things
39	M. Tech (SE)	I	192HS1T01	Research Methodology and IPR
40	M. Tech (SE)	I	192SO1L01	Advanced-Data Structures Lab
41	M. Tech (SE)	I	192SO1L02	Software Engineering Lab – I
42	M. Tech (SE)	II	192SO2T04	Mathematical Foundations of Computer Science
43	M. Tech (SE)	II	192SO2E06	Software Testing Methodologies
44	M. Tech (SE)	II	192SO2E07	Agile Software Development
45	M. Tech (SE)	II	192SO2E11	Design Patterns
46	M. Tech (SE)	II	192SE2L03	Software Testing Lab
47	M. Tech (SE)	II	192SE2L04	Software Engineering Lab – II
48	M. Tech (SE)	II	192SE2P01	Mini Project with Seminar
49	M. Tech (SE)	II	192MC1A01	English for research paper writing
50	M. Tech (SE)	II	192MC1A02	Disaster Management
51	M. Tech (SE)	II	192MC1A03	Sanskrit for Technical Knowledge
52	M. Tech (SE)	II	192MC1A04	Value Education
53	M. Tech (SE)	II	192MC1A05	Constitution of India
54	M. Tech (SE)	II	192MC1A06	Pedagogy Studies
55	M. Tech (SE)	II	192MC1A07	Stress Management by Yoga
56	M. Tech (SE)	II	192MC1A08	Personality Development through Life Enlightenment Skills
57	M. Tech (SE)	II	192MC1A09	Soft Skills

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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 2019-20

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (IT)	I	191BS1T03	Applied Physics
2	B. Tech (IT)	II	191BS2T10	Numerical Methods and Complex Variables
3	B. Tech (IT)	V	171CS5E04	Software Testing Methodologies
4	B. Tech (IT)	V	171IT5L01	Operating Systems and Computer Networks Lab
5	M. Tech (SE)	I	192SO1E05	Cloud Computing


BOS Chairperson

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Annexure III

Action Taken Report on Stakeholders Feedback in the Academic Year 2019-20

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	4.3	Suggested to include courses related to Industrial programming knowledge	Programming for Problem Solving using C and Programming for Problem Solving using C courses will be introduced.
2	4.3	Include courses that should focus on data structures	Data Structures Through C++, Data Structures Through C++ Lab, Advanced Data Structures, and Advanced Data Structures Lab courses will be introduced.
3	4.11	include a seminar course that will make students industry-ready presentations.	As per the suggestion, Seminar course will be added in the coming semesters.
4	4.11	Some courses can be mentioned as Audit Courses.	Environmental Science, Constitution of India, and Essence of Indian Traditional Knowledge courses will be introduced.
5	4.3	Suggested to include some management courses for industrial purpose.	Management Information System and Managerial Economics and Financial Analysis courses will be included.
6	4.11	Suggested to include courses related to trending technologies	Machine Learning, Big Data Analytics and Neural Networks courses will be included.

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7	4.13	Include some courses that will make the students able to work on new technologies and innovations	The Engineering Exploration Project course has been introduced.
8	4.11	Suggested to include few general courses from different domains	As per suggestion, Engineering Graphics and Design and Constitution of India will be introduced in the coming semesters.
9	4.11	Include courses that will make the students get the domain knowledge of other disciplines	Basic Engineering Workshop, Engineering Graphics, and Design, and Essential Electrical and Electronics Engineering courses have been introduced
10	4.11	Some Courses should focus on providing the basic knowledge of the domain	IT Workshop course has been introduced.
11	4.3	Introduce more elective courses to provide a choice of subjects to be chosen to support the Choice Based Credit System.	Suggestions will be considered and more elective courses will be introduced
12	4.11	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

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Department of Petroleum Technology

Date: 24-07-2019

Minutes of the IV meeting of BOS scheduled on 20-07-2019

The IV meeting of the BOS of PT was held virtually on 20-07-2019 at 9.30 AM through Microsoft Teams. Prof R .Giri Prasad, Chairperson presided over the meeting.

Agenda 4.1: Welcome address by Chairperson- BOS

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

Agenda 4.2: 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 21-11-2017.

Agenda 4.3: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

The BOS members have ratified the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

Agenda 4.4: Discussion on proposed AR19 B. Tech (PT) Program structure, AR19 B. Tech (PT) Program – I & II semesters syllabus and ratification of the same.

The BOS members have ratified the AR19 B. Tech (PT) Program structure, AR19 B. Tech (PT) Program – I & II semesters syllabus

The committee has suggested a few minor modifications in the course content of VI, VII and VIII semester B. Tech AR19 and III and IV semester Honor and Minor degree B. Tech AR20 and approved the same.

1. BOS members expressed that the names of the courses in AR20 can be changed as
 - 1) Geology and sedimentology to principles for Petroleum Engineers and Corresponding lab
 - 2) Chemical Process calculations to Material and Energy Balance
 - 3) Momentum Transfer to Fluid Mechanics for Petroleum Engineers and corresponding lab
 - 4) Process Heat Transfer to Heat transfer operations and corresponding lab
2. BOS members expressed that Unit-V- palynology and its importance in oil exploration in Principles of Geology for Petroleum Engineers.

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3. BOS members suggested minor courses
 1. Fundamentals of Earth Science.
 2. Principles of Petroleum Geophysics
 3. Petroleum Geochemistry
 4. EIA of Oil Field Development
4. BOS members suggested Honor courses
 1. Well site Operations
 2. Drilling Fluids and Cementation for HPHT wells.
 3. Oil and Gas Management
 4. Phase Equilibrium for Petroleum Engineers.

Agenda 4.5: Discussion on proposed AR19 M. Tech (PE) Program structure, AR19 M. Tech (PE) Program – I & II semesters syllabus and ratification of the same.

The BOS members have ratified the AR19 M. Tech (PE) Program structure, AR19 M. Tech (PE) Program – I & II semesters syllabus.

Agenda 4.6: Discussion on the courses having focus on employability/entrepreneurship/skill development in the programs of B. Tech (PT), M. Tech (PE) and ratification of the same.

The BOS members have ratified the courses having focus on employability/entrepreneurship/skill development in the programs of B. Tech (PT), M. Tech (PE).

Agenda 4.7: Discussion on the new courses offered in the B. Tech (PT), M. Tech (PE) programs and ratification of the same.

The BOS members have ratified the new courses offered in the B. Tech (PT), M. Tech (PE) programs. The percentage of new courses introduced in the academic year 2019-2020 for B. Tech (PT) is 9.3% and M. Tech (PE) is 57.57%. The list of new courses is enclosed as Annexure-I.

Agenda 4.8: Discussion on the 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 the B. Tech (PT), M. Tech (PE) programs in which Choice Based Credit System (CBCS)/elective course system.

Agenda 4.9: 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.

Agenda 4.10: Discussion on the percentage of syllabus revision done in B. Tech (PT) & M. Tech (PE) programs in comparison with the previous regulations and ratification of the same.

The BOS members have ratified the percentage of syllabus revision done in the B. Tech (PT) & M. Tech (PE) programs. The percentage of courses revised in this academic year 2019-2020 for B. Tech (PT) is 18.06% and M. Tech (PE) is 52.94 %. The list of courses revised is enclosed as Annexure-II



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Agenda 4.11: Analysis of Results

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

Agenda 4.12: Analysis of Students Feedback & Action Taken Report.

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

Agenda 4.13: 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 4.14: Any other item/s

1. BOS members expressed that introduced few courses with industry support in future.
2. BOS members appreciated Skill Oriented Courses in AR 20 Regulations.
3. BOS members expressed that to introduce oil and gas industry software related courses in professional Core.

Agenda 4.15: Scheduling of the next BOS meeting.

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

Agenda 4.16: Vote of Thanks

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



BOS Chairperson

Head of the Department
Department of Petroleum Technology
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Annexure-I

List of New Courses in the Academic Year 2019-2020

S. No	Program	Semester	Course Code	Course Name
1.	B. Tech (PT)	I	191MC1A02	Constitution of India
2.	B. Tech (PT)	II	191PR2P01	Engineering Exploration Project
3.	B. Tech (PT)	II	191ES2L13	Petroleum Technology Workshop
4.	B. Tech (PT)	V	171HS5T06	Employability Skills - II
5.	B. Tech (PT)	V	171PT5E01	Well Engineering & Design
6.	B. Tech (PT)	VI	171PT6E05	Storage & Transportation of Crude Oil and Natural Gas.
7.	B. Tech (PT)	VI	171HS6T07	Employability Skills - IV
8.	B. Tech (PT)	VIII	R164227A	Shale Gas Reservoir Engineering
9.	M. Tech (PE)	I	192PE1E02	CBM& Shale Gas Engineering
10.	M. Tech (PE)	I	192PE1E03	Transportation of Oil and Gas
11.	M. Tech (PE)	I	192PE1E04	Advanced Well Logging Techniques & Well Testing Analysis
12.	M. Tech (PE)	I	192HS1T01	Research Methodology and IPR
13.	M. Tech (PE)	I	192PE1L02	Drilling Simulation Laboratory
14.	M. Tech (PE)	II	192PE2E05	Advanced EOR Techniques
15.	M. Tech (PE)	II	192PE2E06	Advanced Well Completions
16.	M. Tech (PE)	II	192PE2E08	Advanced Horizontal Well Technology
17.	M. Tech (PE)	II	192PE2L04	Flow Assurance Laboratory
18.	M. Tech (PE)	I/II	192MC1A01/ 192MC2A01	English for Research Paper Writing
19.	M. Tech (PE)	I/II	192MC1A02/ 192MC2A02	Disaster Management
20.	M. Tech (PE)	I/II	192MC1A03/ 192MC2A03	Sanskrit for Technical Knowledge

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Annexure-II

List of Courses Revised in the Academic Year 2019-2020

S. No	Program	Semester	Course Code	Course Name
1.	B. Tech (PT)	I	191HS1T01	Communicative English
2.	B. Tech (PT)	I	191BS1T01	Differential Equations and Linear Algebra
3.	B. Tech (PT)	I	191BS1T02	Engineering Physics
4.	B. Tech (PT)	I	191BS1L01	Engineering Physics Lab
5.	B. Tech (PT)	I	191MC1A01	Environmental Science
6.	B. Tech (PT)	II	191BS2T05	Partial Differential Equations and Vector Calculus
7.	B. Tech (PT)	II	191BS2T06	Chemistry of Materials
8.	B. Tech (PT)	II	191BS2L04	Engineering Chemistry Lab


BOS Chairperson

Head of the Department
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Department of Petroleum Technology Annexure III

Action Taken Report on Stakeholders Feedback in the Academic Year 2019-2020

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1.	4.14	Employer Incorporation of more industry oriented courses to improve the student employability and knowledge of current industrial trends	Introduction of new courses like well engineering and mud logging
2.	4.14	Students should be encouraged to gain lifelong learning skills through MOOCs.	Students are encouraged to take SWAYAM courses in accordance with discussions with deans.
3.	4.4	It is better that if the student having lack of application of knowledge in the theoretical aspects and real world project based learning.	According to the feedback given, Engineering Exploration project will be introduced to the curriculum once after the discussion made with Professionals and experts.
4.	4.8	Students need to be industry ready with skill sets to gain job.	As per suggestion, additional skill programs in association with APSSDC will be initiated to make the student with technical skill.
5.	4.5	Better to have knowledge on MAT LAB and its applications	According to the suggestion, will be taught in the curriculum once after the discussion made with dean academics.
6.	4.5	Increase industrial training practically	Internship is made mandatory and thereby the students should take the industry training and to implement a project as part of Internship.
7.	4.8	It is better to add additional skill oriented programs to get core jobs.	As per suggestions received value added courses will be initiated
8.	4.8	It is better to acquire more advanced and better skills	As per discussions with dean academics some courses implemented as elective courses.


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9.	4.4	Suggested that Projects are to be developed and designed by the students that serves the social needs.	As per discussions with dean academics will be included in the curriculum.
10.	4.4	It is better student have basic knowledge on how it is implemented.	According to the feedback given, Engineering Exploration project will be introduced to the curriculum once after the discussion made with Professionals and experts.
11.	4.6	Employer Incorporation of more industry oriented courses to improve the student employability and knowledge of current industrial trends	As per suggestions and discussions introduction of new courses like advanced well logging techniques implemented
12.	4.8	Better to keep Interdisciplinary elective courses in syllabus	Dean academics has noted and kept in syllabus
13.	4.14	It is better to Increase industrial training practically	Internship is made mandatory and thereby the students should take the industry training and to implement a project.
14.	4.4	It is better to introduce more advanced courses	As per suggestions and discussions with dean academics some courses implemented in elective courses.
15.	4.14	It is better to add additional skill oriented programs to get core jobs.	As per suggestions received CBM and shale gas courses will be initiated



BOS Chairperson

Head of the Department

Department of Petroleum Technology

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Department of Agricultural Engineering

Date: 24-07-2019

Minutes of the IV meeting of BoS scheduled on 20-07-2019

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

Agenda 4.1: Welcome address by chairperson BoS

Mr. Y V Krishna Reddy chairman of BoS invited all the distinguished members of BOS to the fourth BOS meeting.

Agenda 4.2: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives(PEOs), Program Outcomes(POs) and Program Specific Outcomes(PSOs) of the Programs under the Department

The BOS members have ratified the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Ag.E Department.

Agenda 4.3: Discussion on new course structure for AR19 as per the guidelines of AICTE and APSCHE for B.Tech (Ag.E) program.

1. Suggested to avoid MS (Management Science) course, if possible.
2. Suggested to keep all fundamental courses as PCC (Professional Core Course's), which are essential for higher education and public service sectors.
3. Suggested to merge the courses theory of machines and thermodynamics as a new subject titled "theory and design of agricultural machinery" with concerned laboratory.
4. Suggested to merge the courses properties and strength of materials and soil mechanics to form a new subject titled mechanics of materials.
5. Suggested to change the title of farm machinery and equipment to Agricultural machinery and equipment.
6. Suggested to merge farm machinery and equipment -1 & 2 as a single course and titled as Agricultural machinery and equipment.


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7. Suggested to split the course design of soil and water conservation and farm structures as design of soil and water conservation structures and agricultural structures.
8. Suggested to change the title of heat and mass transfer to heat transfer and refrigeration system and include the lab laboratory also.
9. Suggested to interchange Groundwater Hydrology subject in III semester with Fluid Mechanics and Open Channel Hydraulics in IV semester courses as well as labs.
10. Suggested to shift dairy and food engineering subject from VI semester to VII semester.
11. Suggested to have the subjects Soil Dynamics in Tillage and Traction and Production Technology in Agricultural Machinery as professional elective 1 and Professional Elective 2 respectively in Farm Machinery Engineering track.
12. Suggested to include Testing of Agricultural Machinery syllabus by referring various testing procedures available at Southern Region Farm Machinery Testing and Training Institute to Design of Agricultural Machinery subject in professional Elective 3 of Farm Machinery Engineering track.
13. Suggested to incorporate two subjects titled as Agricultural Structures and Wastewater Treatment and Management as PE 2 and 4 respectively in Soil and Water Conservation Engineering track.
14. Suggested to rearrangement of subjects in Soil and Water Conservation Engineering tracks in the order of Theory of Structures, Agricultural Structures, Watershed Planning and Management, Wastewater Treatment and Management, Micro Irrigation Engineering and Introduction to Remote Sensing as PE 1, 2, 3, 4, 5 and 6 respectively.
15. Suggested to have Heat Transfer and Refrigeration System instead of Heat and Mass Transfer as Profession Core Course.
16. Suggested to keep Heat Transfer and Refrigeration Systems subject in 4th semester instead of Engineering Properties of Biological Materials and Food Quality (EPBM&FQ) and EPBM as single subject can be kept in Professional Elective 1 of Agricultural Process and Food Engineering track.
17. Suggested to incorporate Food Quality syllabus of EPBM&FQ in Agricultural Process Engineering (APE) subject and also that subject is titled as Agricultural Process Engineering and Food Quality (APE&FQ).


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Agenda 4.4: Discussion on proposed AR19 B. Tech (Ag.E) program of I and II Semester syllabus and ratification of the same.

Discussed on I and II semesters syllabus and accepted the same.,

Agenda 4.5: Discussion on the courses having focus on employability/entrepreneurship/skill development in the B.Tech (Ag.E) program and ratification of the same.

The members of BOS ratified the courses having focus on employability/entrepreneurship/skill development in the B.Tech. (Ag.E). program.

Agenda 4.6: Discussion on the new courses offered in the B.Tech. (Ag.E), program and ratification of the same

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 2019-2020 for B. Tech (Ag.E) is 15.12%. The list of new courses is enclosed as Annexure I.

Agenda 4.7: Discussion on the B.Tech (Ag.E), Program in which Choice Based Credit System(CBCS)/elective course system is being implemented and ratification of the same.

Members of BOS ratified the Choice Based Credit System (CBCS)/elective course system that is being implemented in B.Tech (Ag.E), program.

Agenda 4.8: Discussion on the percentage of syllabus revision done in all the B.Tech. (Ag.E) programs and ratification of the same.

BoS members discussed and ratified the percentage revision in the courses. The percentage of courses revised in the academic year 2019-2020 for B. Tech (Ag.E) is 32.55%. The percentage of the courses revised is enclosed as Annexure II.

Agenda 4.9: Discussion on the value-added courses offered for students and ratification of the same.

Members of BOS ratified the various value- added courses identified for the students to be offered.

Agenda 4.10: Analysis of Results

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


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Agenda 4.11: 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 4.12: 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 4.13: Any other items with the approval of chairman

Suggested to inculcate self-learning practices in students with the adoption of innovative teaching methods.

Agenda 4.14: Scheduling of the next BOS meeting

After discussions with BOS members, the next BOS meeting will be planned in the month of November 2019.

Agenda 4.15: Vote of Thanks

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


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 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Ag.E)	I	191MC1A02	Constitution of India
2	B. Tech (Ag.E)	II	191ES2T02	Engineering Graphics and Design
3	B. Tech (Ag.E)	II	191ES2L03	Essential Electrical and Electronics Engineering Lab
4	B. Tech (Ag.E)	II	191ES2L14	Agricultural Engineering Workshop
5	B. Tech (Ag.E)	II	191PR2P01	Engineering Exploration Project
6	B. Tech (Ag.E)	VI	171AG5E02	Rural Water Supply, Sanitation and Environmental Engineering
7	B. Tech (Ag.E)	VI	171AG5S01	MOOCs-I
8	B. Tech (Ag.E)	VI	171HS5T06	Employability Skills - III
9	B. Tech (Ag.E)	VI	171AG6E06	Green House / Poly House Technology
10	B. Tech (Ag.E)	VI	171AG6E07	Optimization, Operations Research and Systems Engineering
11	B. Tech (Ag.E)	VI	171AG6E08	Industrial Engineering and Management
12	B. Tech (Ag.E)	VI	171AG6S02	MOOCs - II
13	B. Tech (Ag.E)	VI	171HS6T07	Employability Skills - IV

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BoS Chairperson
Head of the Department

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Department of Agricultural Engineering

Annexure-II

List of Revised Courses in the Academic Year 2019-2020

Times	Program	Semester	Course Code	Course Name
1	B. Tech (Ag.E)	I	191HS1T01	Communicative English
2	B. Tech (Ag.E)	I	191BS1T01	Differential Equations and Linear Algebra
3	B. Tech (Ag.E)	I	191BS1T02	Engineering Physics
4	B. Tech (Ag.E)	I	191BS1L01	Engineering Physics Lab
5	B. Tech (Ag.E)	I	191MC1A01	Environmental Science
6	B. Tech (Ag.E)	II	191BS2T05	Partial Differential Equations and Vector Calculus
7	B. Tech (Ag.E)	II	191BS2T06	Chemistry of Materials
8	B. Tech (Ag.E)	II	191ES2T02	Engineering Graphics and Design
9	B. Tech (Ag.E)	II	191BS2L04	Engineering Chemistry Lab
10	B. Tech (Ag.E)	V	171AG5T11	Agricultural Process Engineering
11	B. Tech (Ag.E)	V	171AG5T13	Farm Power and Tractor Systems
12	B. Tech (Ag.E)	V	171HS5E01	Managerial Economics and Financial Analysis
13	B. Tech (Ag.E)	V	171AG5L03	Field Operation and Maintenance of Tractors Lab
14	B. Tech (Ag.E)	VI	171AG6L04	Farm Machinery Lab - I
15	B. Tech (Ag.E)	VIII	R1642351	Design of Agricultural Machinery


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BoS Chairperson
Head of the Department
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Department of Agricultural Engineering

Annexure-III

Action Taken Report on Stakeholders Feedback in the Academic Year 2019-2020

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	4.11	Suggested to add the courses to improve employability skills for better employability.	As per suggestions, Employability Skills- III & IV will be included in the course curriculum.
2	4.8	Suggested to include courses which helps the student to improve their skills.	VAC will be included in the course curriculum as per suggestions.
3	4.11	Suggested to add machine and structure, cam follower, and springs & removal of governors topics in T&DAM course.	As per suggestions, modifications will be included in the course T& DAM.
4		Suggested to add advanced machine designing course	As per suggestions, Computer Aided Drafting Lab will be included in the course curriculum
5	4.3	Suggested to split the course design of soil and water conservation and farm structures as design of soil and water conservation structures and agricultural structures.	As per suggestions, modifications will be included in the course curriculum.
6	4.11	Suggested to keep all the experiments in order in survey and levelling lab as per theory.	As per suggestions, changes will be included in the course curriculum.
7	4.3	Suggested to remove food quality topic from EPBM and include in APE.	As per suggestions, modifications will be included in EPBM & APE courses.
8	4.11	Suggested to add courses related to watershed and unit hydrographs.	As per suggestions, Watershed Management will be included in the course curriculum.
9	4.3	Suggested to merge farm machinery and equipment -1 & 2 as a single course and titled as Agricultural machinery and equipment.	Suggested to merge farm machinery and equipment -1 & 2 as a single course and titled as Agricultural machinery and equipment.
10	4.10	More exposure to field visits to gain practical knowledge.	As per suggestions, more field visits will be conducted in coming semesters.

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11		Suggested to reduce the syllabus of principle of agronomy and soil science course.	As per suggestions and discussions made, certain topics in soil science and agronomy removed in the subject of principle of agronomy and soil science.
12	.	Suggested to include more field visits/ industrial visits.	As per suggestions, required steps will be taken.


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

Dt-29/07/2019

Minutes of IV BoS meeting conducted on 27-07-2019

Agenda 4.1: Welcome address by Chairman

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

Agenda 4.2: Discussion and ratification of the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Department.

The BoS members have ratified the Vision and Mission of the department and Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) of the Programs under the Min.E Department.

Agenda 4.3: Discussion on proposed AR19 B.Tech (Min.E) program structure, I & II semesters syllabus and ratification of the same.

The BoS members approved the AR19 B.Tech (Min.E) course structure after making the following changes in the proposed syllabi:

1. The members have advised to remove the course Managerial Economics and Financial Accounting in III semester as mining specific courses related to this particular area of study is available in the higher semesters of AR-19.
2. In place of Managerial Economics and Financial Accounting (MEFA), the members suggested including 2 surveying related courses, which is more of a necessity for mining. So Mine Surveying –II course is included in IV Semester.
3. Basic Mechanical Engineering was removed from IV semester and added in III semester.

Agenda 4.4: Discussion on the courses having focus on employability/entrepreneurship/skill development in the programs of B.Tech. (Min.E), and ratification of the same

The members of BoS ratified the courses having focus on employability/entrepreneurship/skill development in the B.Tech. (Min.E), program.


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Agenda 4.5: Discussion on the new courses offered in the B.Tech. (Min.E), programmes and ratification of the same

Members of BOS noted the new courses offered in the B.Tech. (Min.E), and ratified the same. The Percentage of new courses introduced in the academic year 2019-2020 for B. Tech (Min. E) is 17.05%. The list of new courses is enclosed as Annexure-I.

Agenda 4.6: Discussion on the B.Tech (Min.E), Programmes in which Choice Based Credit System(CBCS)/elective course system is being implemented and ratification of the same.

Members of BoS ratified the Choice Based Credit System (CBCS)/elective course system that is being implemented in B.Tech (Min.E), program.

Agenda 4.7: Discussion on the percentage of syllabus revision done in B.Tech. (Min.E) programme and ratification of the same.

The percentage change in syllabus was discussed and approved by the BoS members. The percentage of courses revised in the academic year 2019-2020 for B.Tech (Min.E) is 44.31%. The list of courses revised is enclosed as Annexure-II.

Agenda 4.8: Discussion on the value-added courses offered for students and ratification of the same.

Members of BoS ratified the various value- added courses identified for the students to be offered.

Agenda 4.9: 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 and appreciated the faculty for the pass percentage.

Agenda 4.10: 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. In academic year 2018-2019 the average student feedback of the faculty for even and odd semester was taken and the same were noted by the BoS members.

Agenda 4.11: 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 4.12: Any other item/s

1. The members suggested communicating course content delivered in class to the question paper setters.

2. The members suggested making arrangements for several other mine visits than the compulsory ones included in curriculum.

Agenda 4.13: Scheduling of the next BOS meeting.

The next BoS meeting is tentatively scheduled in the month of December, 2019.

Agenda 4.14: Vote of Thanks

- Mr. Satyajeet Parida, BoS Chairperson presented the vote of thanks.



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 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Min.E)	I	191MC1A02	Constitution of India
2	B. Tech (Min.E)	II	191ES2L12	Mining Engineering Workshop
3	B. Tech (Min.E)	II	191PR2P01	Engineering Exploration Project
4	B. Tech (Min.E)	V	171MI5E01	Maintenance and Reliability Engineering
5	B. Tech (Min.E)	V	171MI5E03	Industrial Management and Labor Relations
6	B. Tech (Min.E)	V	171MI5S01	MOOCs - I
7	B. Tech (Min.E)	V	171HS5T06	Employability Skills - III
8	B. Tech (Min.E)	VI	171MI6E06	Mineral Exploration
9	B. Tech (Min.E)	VI	171MI6E07	Advance Surveying Technology
10	B. Tech (Min.E)	VI	171MI6E08	Mine Subsidence Engineering
11	B. Tech (Min.E)	VI	171MI6S02	MOOCs - II
12	B. Tech (Min.E)	VI	171HS6T07	Employability Skills - IV
13	B. Tech (Min.E)	VII	R1641261	Computer Applications in Mining
14	B. Tech (Min.E)	VII	R1641267	Computer Applications in Mining Lab
15	B. Tech (Min.E)	VIII	R1642261	Mine Economics & Investment

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BoS Chairperson

Head of the Department

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Department of Mining Engineering

Annexure-II

List of Courses Revised in the Academic Year 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	B. Tech (Min.E)	I	191HS1T01	Communicative English
2	B. Tech (Min.E)	I	191BS1T01	Differential Equations and Linear Algebra
3	B. Tech (Min.E)	I	191BS1T02	Engineering Physics
4	B. Tech (Min.E)	I	191BS1L01	Engineering Physics lab
5	B. Tech (Min.E)	I	191ES1L02	Basic Engineering Workshop
6	B. Tech (Min.E)	I	191MC1A01	Environmental Science
7	B. Tech (Min.E)	II	191BS2T05	Partial Differential Equations and Vector Calculus
8	B. Tech (Min.E)	II	191BS2T06	Chemistry of Materials
9	B. Tech (Min.E)	II	191ES2T02	Engineering Graphics and Design
10	B. Tech (Min.E)	II	191ES2T03	Essential Electrical and Electronics Engineering
11	B. Tech (Min.E)	II	191ES2T04	Engineering Mechanics
12	B. Tech (Min.E)	II	191BS2L04	Engineering Chemistry Lab
13	B. Tech (Min.E)	V	171MI5T11	Basic Geo Mechanics
14	B. Tech (Min.E)	V	171HS5T04	Managerial Economics and Financial Analysis
15	B. Tech (Min.E)	V	171MI5E02	Mine Construction and Management
16	B. Tech (Min.E)	V	171MI5L03	Rock Mechanics Lab

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17	B. Tech (Min.E)	VI	171MI6T14	Mineral Processing Technology
18	B. Tech (Min.E)	VI	171MI6T16	Mining Machinery
19	B. Tech (Min.E)	VI	171MI6E04	Advanced Geo Mechanics
20	B. Tech (Min.E)	VI	171MI6E05	Mine Fire and Spontaneous Heating
21	B. Tech (Min.E)	VI	171MI6E09	Rock Fragmentation Engineering
22	B. Tech (Min.E)	VI	171MI6L05	Mineral Processing Technology Lab
23	B. Tech (Min.E)	VII	R164126A	Rock Slope Engineering

S. Srinivas

BoS Chairperson

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

Annexure III

Action Taken Report on Stakeholders Feedback in the Academic Year 2019-2020

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	4.11	Students are lacking in modern surveying tools in the mining field such as Total station surveying, GPS, etc	To make students understand modern surveying techniques one more surveying Course has been added to the curriculum namely: <ul style="list-style-type: none">• Mine Surveying -II
2		Mining students are lacking in basic communication skills only few students are good rest are need to be improve.	Different communicative skills courses are added to the curriculum such as: <ul style="list-style-type: none">✓ Communicative English✓ Communicative English lab-I✓ Communicative English Lab-II
3		Mining students should have depth knowledge about different exploration techniques used for the mineral exploration.	To make students aware of different exploration techniques required in the mining field the following course has been included in the curriculum <ul style="list-style-type: none">✓ Mineral Exploration
4		Mining students should be aware of mine subsidence engineering that will help them in different underground mines.	The importance of the mine subsidence is well understood and the same has been included in the curriculum


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			<ul style="list-style-type: none"> • Mine Subsidence Engineering
5		Students should possess knowledge in the feasibility report of a mine and should have the ability to calculate the loss and profit aspect of a mining project.	<p>To make the student aware of feasibility report of a mine and profit and loss aspect of the mine the following course are included in the curriculum they are:</p> <ul style="list-style-type: none"> • Mine Economics & Investment
6		The Importance of surveying has drastically increase in the mining as lot of new techniques has been in used the surveying.	<p>To make student aware of modern surveying tools one for surveying subject has included in the curriculum</p> <p>✓ Mine Surveying-II</p>
7		The courses which increase the placement of the student should be included in the curriculum.	<p>The course which increases the possibility of the student's placements in the upcoming years are as follows:</p> <ul style="list-style-type: none"> • Internet of Things
8	4.11	The no of employability skills in the curriculum should be increased.	<p>The importance of employability skills are well understood so more no of employability skills are included in the curriculum they are:</p> <ul style="list-style-type: none"> • Employability Skills – III • Employability Skills - IV
9		Apart from underground, surface mining, high wall mining, etc. Mining has also started in the sea and ocean which is very new technique in itself so it should be included in the Curriculum.	<p>The importance of the course is well understood and the same has been included in the curriculum namely:</p> <p>✓ Deep sea mining</p>


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10		The MOOCs course should be included in the curriculum.	As per the suggestion following Moocs course has been included they are: <ul style="list-style-type: none"> • MOOCs – I • MOOCs - II
11	4.10	The students should be aware of latest computer application in the mining field	The course which address the computer application in the mines are as follows: <ul style="list-style-type: none"> • Computer Applications in Mining • Computer Applications in Mining Lab
12	4.10	Students should be made ready for public speaking skills so that they can speak publicly fluently in mining related courses.	For increasing the skills of students of public speaking they are encouraged for participating in different conferences which help in national and international level. Final syllabus also has subjects which increase their skills they are: <ul style="list-style-type: none"> ✓ Seminar ✓ Project


 BoS Chairperson
 Head of the Department
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Department of Management Studies

Date: 26-07-2019

Minutes of the IV meeting of BOS scheduled on 20/07/2019

The IV meeting of the BOS of Management Studies was held on 20th July 2019 at 11.00 AM at Cotton Bhavan Conference hall. Dr. N. Visalakshi, Chairperson presided over the meeting.

Agenda 4.1: Welcome address by Chair Person-BOS. .

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

Agenda 4.2: Ratification of minutes of the previous Board of Studies meeting

BOS Members have ratified the previous BOS meeting minutes.

Agenda 4.3: Discussion on proposed AR19 MBA Program structure, AR19 MBA

Program - I & II semesters syllabus and ratification of the same.

BOS members accepted the syllabus of AR19 MBA Program - I & II semesters syllabus semester(s), and ratified the same.

Agenda 4.4: Discussion on proposed AR19 IMBA Program structure, AR19 IMBA

Program - I & II semesters syllabus and ratification of the same.

BOS members accepted the syllabus of AR19 IMBA Program - I & II semesters syllabus semester(s), and ratified the same.

Agenda 4.5: Discussion on the courses having focus on employability

/ entrepreneurship /skill development in the programmes of MBA & IMBA and ratification of the same.

The members of BOS ratified the courses having focus on employability/ entrepreneurship/ skill development in the AR19 MBA& IMBA programme.

Agenda 4.6: Discussion on the new courses offered in the AR19 MBA& IMBA

programme and ratification of the same.

Members of BOS noted the new courses offered in the AR19 MBA &IMBA programme and ratified the same. The percentage of new courses introduced in the academic year 2019-20 for MBA is 18.6% and for IMBA is 48%. List of new courses is enclosed as Annexure-I.


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Agenda 4.7: Discussion on the value-added courses offered for MBA&IMBA students and ratification of the same.

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

Agenda 4.8: Analysis of Results

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2018-19 and ratified the same.

Agenda 4.9: Discussion on the AR19 MBA& IMBA Programmes in which choice based credit system/elective courses system is being implemented and ratification of the same

BOS members accepted choice based credit system/elective courses system is being implemented and ratified the same

Agenda 4.10: Discussion on the percentage of syllabus revision done in MBA and IMBA programs and ratification of the same.

The Chairperson presented that of syllabus revision done in MBA and IMBA programs and the BOS members approved the same. The percentage of courses revised in the academic year 2019-20 for MBA is 25.4% and for IMBA is 48%. List of courses revised is enclosed in Annexure-II.

Agenda 4.11: 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 4.12: Any other items.

- i. Suggested to students that they should select as open elective for the course of MBA-I semester either with cross cultural management or rural innovation projects or MOOCS related management courses other than the courses listed in the syllabus.
- ii. Suggested to students that they should select as open elective for the course of MBA-II semester either with the project management or Technology management or Lean management or DBMS

Agenda 4.13: 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

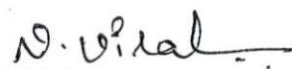

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Agenda 4.14: Scheduling of next board of studies meeting.

Next BOS meeting is tentatively scheduled in the month of December, 2019.

Agenda 4.15: Vote of Thanks

The Chairperson presented the Vote of Thanks.


BOS Chairperson

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

Annexure-I

List of New Courses in the Academic Year 2019-20

S. No	Program	Semester	Course Code	Course Name
1.	MBA	I	194MB1T01	Management and Organizational Behavior.
2.	MBA	I	194MB1L01	Business Communication and Soft Skills Lab.
3.	MBA	I	194MB1O01	Cross Cultural Management.
4.	MBA	I	194MB1O02	Rural Innovation Projects.
5.	MBA	I	194MBMOOC1	MOOCs: SWAYAM/NPTEL.
6.	MBA	II	194MB2O05	Technology Management.
7.	MBA	II	194MB2O06	Lean Management.
8.	MBA	II	194MB2O07	Data base Management System.
9.	MBA	II	194MB2O04	Project Management.
10.	MBA	II	194MB1L02	Information Technology - Lab - I (Spreadsheet and Tally).
11.	MBA	II	194MB2L03	IT-Lab - 2 (R. Programming).
12.	IMBA	VII	16IM701	Knowledge Management
13.	IMBA	VII	16IM702	Strategic Cost Management

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14.	IMBA	VII	16IM703A	HR Planning
15.	IMBA	VII	16IM704B	Leadership Management
16.	IMBA	VII	16IM705C	Compensation and Reward Management
17.	IMBA	VII	16IM703D	Security Analysis
18.	IMBA	VII	16IM704A	Banking and Insurance Management
19.	IMBA	VII	16IM705B	Advanced Management Accounting
20.	IMBA	VII	16IM703C	Consumer Behavior
21.	IMBA	VII	16IM704D	Rural Marketing
22.	IMBA	VII	16IM705A	Supply Chain Management
23.	IMBA	VII	16IM703B	E-Business
24.	IMBA	VII	16IM704C	RDBMS
25.	IMBA	VII	16IM705D	Web Designing
26.	IMBA	VIII	16IM801A	Total Quality Management
27.	IMBA	VIII	16IM802B	Project Management
28.	IMBA	VIII	16IM803C	Performance Management
29.	IMBA	VIII	16IM804D	Strategic Human Resource Management
30.	IMBA	VIII	16IM805A	Organizational Development & Change Management
31.	IMBA	VIII	16IM803B	Strategic Financial Management
32.	IMBA	VIII	16IM804C	Portfolio Management
33.	IMBA	VIII	16IM805D	Financial Markets and Services
34.	IMBA	VIII	16IM803A	Customer Relationship Management
35.	IMBA	VIII	16IM804B	Strategic Marketing Management

36.	IMBA	VIII	16IM805C	Services Marketing
37.	IMBA	VIII	16IM803D	System Analysis & Design
38.	IMBA	VIII	16IM804A	Business Intelligence
39.	IMBA	VIII	16IM805B	Enterprise Resource Planning

N. Viral
BOS Chairperson

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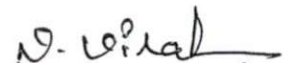
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Department of Management Studies

Annexure-II

List of Courses Revised in the Academic Year 2019-20

S. No	Program	Semester	Course Code	Course Name
1	MBA	I	194MB1T02	Managerial Economics
2	MBA	I	194MB1T03	Accounting for Managers
3	MBA	I	194MB1T04	Quantitative Analysis for Business Decisions
4	MBA	I	194MB1T05	Legal and Business Environment
5	MBA	I	194MB1T06	Business Communication and Soft Skills


BOS Chairperson

Head of the Department
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Department of Management Studies

Annexure III

Action Taken Report on Stakeholders Feedback in the Academic Year 2019-20

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1.	4.11	Employer suggested to have open electives courses	As per Discussion Rural Innovation Projects(194MB1O02), Technology (194MB2O05)Management, Lean Management(194MB2O06)& Data base Management System(194MB2O07) are offered as open electives in 1 st and 2 nd semesters
2.	4.11	Encourage the students to complete more skill oriented courses	As per discussions value added course with hand on training will be implemented
3.	4.11	Suggested to have more skill oriented courses in curriculum	As per Discussion Project management course (194MB2O04) is included in curriculum
4.	4.11	It is better to acquire more advanced and better skills	IT-Lab – R Programming (194MB2L03) is included in academics
5.	4.11	Students should have Communication Skills lab	Business communication & soft skills lab(194MB1L01) is included in curriculum
6.	4.11	Student should have knowledge on spreadsheet and	As per discussions Information Technology – Lab – I (Spreadsheet

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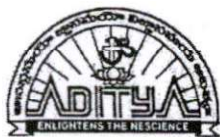
		tally	and Tally) is included in Curriculum.
7.	4.11	Students should be encouraged to enroll in SWAYAM's	Students are encouraged to take Swayam courses in accordance with discussions with deans.
8.	4.11	Suggested To add new & trendy topics in QABD	As per discussions Baye's Theorem-Probability Distributions, Binominal, Poisson, Normal & Exponential Probability Distributions in Quantitative Analysis for Business Decisions
9.	4.11	New recent updating topics should add in Managerial economics and QABD	As per discussions Theory of Firm, CES Production functions are added in Managerial economics(194MB1T02)
10.	4.11	Encourage the students to complete more skill oriented courses	As per discussions value added course with hand on training will be implemented.
11.	4.11	Student interview skills should be enhanced	Mock Interview sessions are included along with regular academics
12.	4.11	Suggested to have more Global level exposure for students	Two Guest lectures are planned per semester
13.	4.11	Students should be encouraged to enroll in SWAYAM's	Students are encouraged to take Swayam courses in accordance with discussions with deans.
14.	4.11	Suggested to have more reference books in curriculum	Reference books and text books are finalized by BOS members.
15.	4.11	More case studies have to discuss with students	Case studies are given to Students and ask them to submit along with assignments.
16.	4.11	Requested to Dress code relaxation in summer	It is planned to give dress code exemption for April and may month

17.	4.11	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.
18.	4.11	Presentation skills have to be improved	It is planned to conduct student seminars in the class room.
19.	4.13	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.
20.	4.13	Requested Dress code exemption in summer	April and may dress code exemption is given for students.
21.	4.13	Presentation skills have to be improved	Presentations skills chapter is included in Business Communication and Soft Skills(194MB1T06)

N. Viral
BOS Chairperson

Head of the Department
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Department of Master of Computer Applications

Date: 25/07/2019

Minutes of the 4th Meeting of BOS Scheduled on 20/07/2019

The IV meeting of the BOS of Master of Computer Applications Department was held on 20-07-2019 at 09.30 AM.

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

Agenda 4.1: Welcome address by Chairperson-BOS.

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

Agenda 4.2: 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 17/11/2018.

Agenda 4.3: Discussion on proposed AR19 MCA Program structure, AR19 MCA Program – I & II semesters syllabus and ratification of the same.

The members of BOS ratified the AR19 I & II Semesters MCA syllabus after incorporating the following changes:

- Suggested to name language courses like C, C++, java, etc., as Interactive Programming-I, II etc., (as course names).
- Suggested to revise the Elective tracks and the courses in it.
- Suggested to include Natural Language Processing course in Elective courses.

Agenda 4.4: Discussion on the courses having focus on employability/ entrepreneurship/ skill development in the programmes of AR19 MCA and ratification of the same.

The members of BOS ratified the courses having focus on employability/ entrepreneurship/ skill development in the AR20 MCA program.

Agenda 4.5: Discussion on the new courses offered in the MCA programme and ratification of the same.

Members of BOS noted the new courses offered in the MCA programme and ratified the same. The Percentage of new courses introduced during in the academic year 2019-2020 for MCA is 10%. The list of new courses is enclosed as Annexure-I.

Agenda 4.6: Discussion on the AR19 MCA programme in which Choice Based Credit System(CBCS)/elective course system is being implemented and ratification of the same.

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Members of BOS ratified the Choice Based Credit System (CBCS)/elective course system that is being implemented in MCA program.

Agenda 4.7: 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 4.8: Discussion on the percentage of syllabus revision done in MCA program and ratification of the same.

The Chairperson presented the percentage of syllabus revision done in MCA program and the BOS members approved the same. The Percentage of Courses Revised in the Academic Year 2019-2020 for MCA is 14%. The list of courses revised during is enclosed as Annexure-II.

Agenda 4.9: Analysis of Results

Members of BOS noted the result analysis presented by the Chairperson for the A.Y.2019-20 and ratified the same.

Agenda 4.10: 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.

Agenda 4.11: 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 4.12: Any other item/s

- Suggested to conduct induction program for 3 weeks before 1st semester.
- Suggested that every faculty should train on "Design and Thinking", which is useful for handling subjects.
- Suggested to add new technologies in elective courses to fill the gap between industry and academics
- Suggested to provide more industrial training to students.

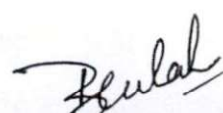
Agenda 4.13: Scheduling of the next BOS meeting.

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

Agenda 4.14: Vote of Thanks

The Chairperson presented the Vote of Thanks.


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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 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	MCA	I	193MC1L03	IT Workshop (Lab)
2	MCA	II	173MC2L06	Operating System & Computer Graphics Lab
3	MCA	V	173MC5T21	Python Programming
4	MCA	V	173MC5E08	Computer Forensics
5	MCA	V	173MC5E10	Internet of Things

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Annexure-II

List of Courses Revised in the Academic Year 2019-2020

S. No	Program	Semester	Course Code	Course Name
1	MCA	I	19MC1T01	Problem solving with c
2	MCA	I	19MC1T02	Computer organization
3	MCA	I	19MC1L01	English language communication skill lab

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Department of Master of Computer Applications

Annexure-III

Action Taken Report on Stakeholders Feedback in the Academic Year 2019-2020

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1	4.12	To make students aware of the importance of computers, fundamentals of computer hardware and software, and Microsoft Office Word, Excel, Access, and PowerPoint.	As per the suggestion given by the employer, IT Workshop Lab will be introduced in the 1 st semester.
2	4.12	Suggested that every students should have github and linkedIn profile to get connected to Professional Network.	All the students are instructed to create Github account and to push all the source codes developed by them. LinkedIn profile is also created.
3	4.12	Improve the technical skill in recent technologies	Imparted the recent technology-based courses in the curriculum like IOT and Artificial intelligence.
4	4.10	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.
5	4.3	Suggested to include Digital Marketing and Natural Language Processing courses in elective list.	Added the two courses as per the suggestion.
6	4.12	Suggested to provide industrial training to students	As per the suggestions implant/internship training is provided.
7	4.4	Knowledge of logical reasoning and aptitude should be imparted.	Logical reasoning and aptitude classes are conducted.
8	4.4	To establish research and innovations thoughts into the student minds	Providing access to the students and making them to read e-journals.
9	4.10	Allowing the students in solving and practice the nationwide	Encouraging the students in participating online coding

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		issues.	competitions for finding the solutions
10	4.10	Basic knowledge on Industry requirements from Alumni should be imparted.	Organized guest lecture on Industry requirements from Alumni.
11	4.12	Placement and training should be more emphasized.	A team is established to train and place the students in huge number.
12	4.12	More practical knowledge sharing on current technologies is required.	Technical seminars and workshop are being arranged with industry experts

Bendal
 BOS Chairperson
 Head of the Department
 Department of MCA
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