



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

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

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

Department of Petroleum Technology

Date: 02-05-2022

Minutes of the VIII meeting of BOS scheduled on 29-04-2022

The VIII meeting of the BOS (Board of Studies) of PT was held on 29-04-2022 at 10:00 AM in the Ajivika Conference Hall, Bill Gates Bhavan, AEC. Dr. R. Giri Prasad, chairperson presided over the meeting.

Agenda 8.1: Welcome address by Chairperson.

Dr. R. Giri Prasad, BOS chairperson invited the distinguished members of BOS to the VIII BOS Meeting.

Agenda 8.2: Ratification of minutes of the previous Board of Studies meeting

The BOS members have ratified the points discussed in the previous Board of Studies meeting held on 29/04/2022.

Agenda 8.3: Discussion on proposed AR 20 B. Tech Program – V, VI, VII & VIII Semesters Syllabus and ratification of the same

The BOS members approved the AR 20 B. Tech (PT) V, VI, VII & VIII Semesters syllabus after making the following changes in the proposed syllabi.

- Suggested to keep "IPC first order and second order systems
- Suggested to add "IPC text latest edition
- Suggested to replace "FIT, special drill fluids in drilling and well completions
- Suggested to replace well logging, mud logging and formation evaluation.
- Suggested to add liquefaction in unit 4 natural gas engineering.
- Suggested to replace "u-5 in reservoir engineering with immiscible displacement topics.
- Suggested to introduce reference text books for IPC labs.
- Suggested to add "developments of an LNG project in unit 1 in FLNG Elective subject, some new text books also referred.
- Suggested to add HSE FE unit 3 modifications and some reference text books suggested.
- Suggested to replace pipe line engineering as basic pipeline engineering.


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Agenda 8.4: Discussion on proposed syllabus for courses in V to VII Semester under AR20 Honors and Minor Degree and ratification of the same.

The BOS members approved the V, VI, VII & VIII Semester under AR20 Honors and Minor Degree syllabus after making the following changes in the proposed syllabi.

- Suggested to keep “fundamentals of petroleum industry as basic concepts in seismic methods for hydrocarbon exploration.
- Suggested to keep some topics in applied RE & M subject in unit 5 and some latest text are referred.
- Suggested to keep natural gas engineering as mass transfer operations
- Suggested to keep underground coal gasification in tight gas engineering.

Agenda 8.5: Discussion on the value-added courses to be offered for students and ratification of the same.

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

Agenda 8.6: Discussion on the new courses offered for B. Tech (PT) programs and ratification of the same.

The BOS members have ratified the new courses offered in B. Tech (PT) programs. The percentage of new courses introduced in the academic year 2021-2022 for B. Tech (PT) is 6.81 %. The list of new courses is enclosed as Annexure-I.

Agenda 8.7: Discussion on the percentage of syllabus revision done in the B. Tech (PT) program and ratification of the same.

The BOS members have ratified the B. Tech (PT) and M. Tech (PE) syllabus revision percentage. The percentage of courses revised in this academic year 2021-2022 for B. Tech (PT) is 38.93% and M. Tech (PE) is 3.07 %. The list of courses revised is enclosed as Annexure-II

Agenda 8.8: Discussion on the courses having focus on employability/entrepreneurship/skill development in B. Tech (PT) and M. Tech (PE) programs and ratification of the same.

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

Agenda 8.9: Discussion on all the 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) and M. Tech (PE) Choice Based Credit System (CBCS)/Elective course system.


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Agenda 8.10: Analysis of Feedback on curriculum from stake holders

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 8.11: Analysis of results of the odd semesters of the academic year 2021-22

The BOS chairperson presented odd semester pass percentage for the A.Y.2021-2022. The BOS members noted the same and appreciated the faculty.

Agenda 8.12: Analysis of student's feedback in the odd semesters of the academic year 2021-22

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

Agenda 8.13: Any other item with the approval of Chairman

NIL

Agenda 8.14: Scheduling of next Board of Studies meeting.


The next BOS meeting is tentatively scheduled in the month of September, 2022.

Agenda 8.15: Vote of Thanks

Dr. R. Giri Prasad, BOS chairperson presented the vote of thanks.


BOS Chairperson

Head of the Department
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Annexure-I

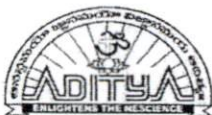
List of New Courses in the Academic Year 2021-2022

S. No	Program	Semester	Course Code	Course Name
1.	B. Tech (PT)	III	201SC3L10	Industry Exploration Project
2.	B. Tech (PT)	V	191PR5P02	Socially Relevant Project
3.	B. Tech (PT)	V	191PT5E01	Natural Gas Engineering and Processing
4.	B. Tech (PT)	V	191PT5O02	Fundamentals of Petroleum Industry
5.	B. Tech (PT)	V	191PT6E05	Operational and Maintenance of Pipelines
6.	B. Tech (PT)	V	191PT7E09	Unconventional Hydrocarbon Resources
7.	B. Tech (PT)	V	191PT5O01	Process Intensification in Petroleum Industry
8.	B. Tech (PT)	VI	191PT6E07	Advanced Separation Techniques
9.	B. Tech (PT)	VI	191PT6O03	Unconventional Hydrocarbon Resources
10.	B. Tech (PT)	VI	191PT6O04	Asset Management


BOS Chairperson

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Annexure-II

List of Courses Revised in the Academic Year 2021-2022

S. No	Program	Semester	Course Code	Course Name
1.	B. Tech (PT)	V	191PT5T09	Well Logging and Mud Logging
2.	B. Tech (PT)	VI	191PT6E04	Fundamentals of Liquefied Natural gas
3.	M. Tech (PE)	I	192PE1E04	Advanced Well Logging Techniques and Well Testing Analysis
4.	M. Tech (PE)	II	192PE2E06	Advanced Well Completions


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Department of Petroleum Technology Annexure III

Action Taken Report on Stakeholders Feedback in the Academic Year 2021-2022

S. No	Agenda Item No.	Stakeholders Recommended	Action Taken
1.	8.4	Suggested to keep transferable and necessary skills with rising demand in all industries.	As suggested and discussion made with members pipeline project management course will be implemented.
2.	8.8	Capability to acquire and apply fundamental principles of engineering is needed.	As per suggestions Internship is made mandatory and thereby the students should take the industry training.
3.	8.8	Suggested to involve advanced topics, Engineers are looking nowadays in the curriculum.	According to the suggestions and discussions made it will be added to the curriculum.
4.	8.8	Capability to acquire and apply fundamental principles of engineering is needed.	As per suggestions Internship is made mandatory and thereby the students should take the industry training.
5.	8.12	Advancements in industries and job opportunities in the core must be known.	As per suggestion, seminars and workshops will be conducted.
6.	8.3	Due to tremendous response in the companies of software courses in the petroleum industry, it is better to get the basic knowledge on application	As suggested, Various modelling software's like CMG, MATLAB, ASPEN HYSIS etc will be included in the curriculum.
7.	8.4	Perception of the need for more topics to be included, as well as the general need for a few topics to be modified.	As per suggestions some topics introduced and removed in core subjects
8.	8.3	Every students to understand the basic principles of engineering and the introduction of biological concepts so that they can effectively interact to concern for providing solutions to the problems related to bio systems.	As suggested, biology for engineers will be introduced into the curriculum.
9.	8.3	It is better student have knowledge on the computer science related subjects during their graduation.	As per the suggestions and discussion made with the experts, BOS and Professionals, Honours and Minor degree programs will be introduced based on the students choice.
10.	8.8	Due to the tremendous growth in the IT industry it is better to get known to programming related subjects.	As per suggestions, SOC (Skill Oriented Course) will be introduced to the curriculum.

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11.	8.3	A clear understanding on the material must be known to perform research.	As per suggestion received, introduction about exploration project will be introduced.
12.	8.12	It is better that students have knowledge on the cutting edge technologies.	According to the suggestion received, it will be introduced to the curriculum based on the discussions made.
13.	8.3	Better to perform real time applications for better employment.	As per suggestions it will be planned to discuss with the m .tech coordinator and project guides for the implementation of experimental and analytical projects.
14.	8.8	Due to the tremendous growth in the IT industry it is better to get known to programming related subjects.	As per suggestions, and discussions SOC (Skill Oriented Course) implemented
15.	8.4	Capability to acquire and apply fundamental principles of engineering is needed.	As per suggestions Internship is made mandatory and thereby the students should take the industry training for project.
16.	8.4	Due to tremendous response in the companies of software courses in the petroleum industry , it is better to get the basic knowledge on application.	As suggested, Various modelling software's like MATLAB already included in the curriculum.
17.	8.3	For better placement in the core companies problem solving skills and performance need to be enhanced.	As per feedback, AICTE and college will implement to get the access of PARAKH –SLAP to practise online exams for job.


BOS Chairperson

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