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SCHOOL OF PETROLEUM TECHNOLOGY
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Board of Studies Meeting - 2017

Date: 30.03.2017
Venue: C-Block, Board Room, 2nd Floor
Time: 11: 30 AM

Members Present:

BoS Committee	Special Invitee
1. Dr. Bhawanisingh G. Desai (BoS Chairman)	1. Dr. Ashish Sarl
2. Dr. Anirbid Sircar (BoS Member and SPT Director)	2. Dr. N. Madhav
3. Dr. Uttam Kumar Bhui (BoS Member)	3. Dr. P Sivakumar
4. Mr. Suchen Thakore- Invited Academic Expert	4. Dr. Mahendra Vanteru
5. Mr. Anil Saxena - Invited Industry Expert	5. Mr. G.S. Negi
6. Dr. R.A. Sengupta – Invited Academic Expert	6. Mr. R. Balasubramanian
	7. Ms. Barasha Deka
	8. Mr. Maunish Shah
	9. Mr. Manan Shah
	10. Ms. Vaishali Sharma
	11. Ms. Kriti Yadav
	12. Mr. Jatin Agarwal

Leave of Absence was granted to,
1) Mr. S. S. P Singh
2) Mr. R. K. Jain

Minutes of Meeting

The following main agenda were discussed in the present BoS:

1) Proposal of modified and unified B. Tech (Petroleum Engineering) syllabus to be introduced from the year 2017- Annexure-I.
2) Proposal for modified M. Tech (Petroleum Engineering) Curriculum to be introduced from the year 2017- Annexure-II
3) Proposal for M. Tech (Petroleum Exploration) Programme- Annexure-III
4) Any other agenda with the permission of the Chair.

The detailed syllabus for B. Tech (Petroleum Engineering) was proposed and discussed in detail and modifications are mentioned below.

Discussion for B.Tech Course (Petroleum Engineering), From the Year 2017 :

1. Shri Anil Saxena suggested inclusion of **Non-Destructive Testing (NDT)** for pipeline in the Pipeline Engineering Course as a unit, which was accepted in the meeting by all the members.
2. For the Health, Safety and Environment course, panel suggested to include two topics: **Oil Mines Regulations (OMR)** and **Petroleum Rules by PESO**.
3. In Heat and Mass Transfer course Mr. Suchen Thakore suggested to include the topic: **Liquid-Liquid Extraction / Extraction** in Unit- IV.
4. In Petroleum Equipment Design Course, panel suggested to include the topics: **TEMA Classification** in unit I, **Floating Roof Tank and its design according to API 650** in unit IV.
5. Dr. Ashish Sarkar suggested to modify the nomenclature of the field work course from Earth Science and Hydrocarbon Exploration Fieldwork to **Geological and Hydrocarbon exploration field work.**
6. Mr. Suchen Thakore Suggested to start **ASPEN software** and **HYSYS** software in place of CHEMCAD in Introduction to Petroleum Software course.
7. In Hydrocarbon Based Fertilizer Industries course, experts suggested to include **Steam Reforming Processes, Linde Process for Manufacturing of Ammonia.**
8. **Coal Bed Methane** is included as a course for obtaining honours degree.
9. From the academic year 2017-18, rural internship will be carried out by School of Petroleum Technology for B.Tech Petroleum Engineering Students.

Note : The course to be introduced from the academic year 2017-18 will not be changed for a minimum of five years.

Discussion for B.Tech Course (Petroleum Engineering), 2015 and 2016 :

1. Earth Science and Hydrocarbon exploration field work was introduced for the B. Tech 2015 batch students and is ratified and the same is also proposed for 2016 batch students.
2. B.Tech students admitted in the year 2016 will be bifurcated into Upstream and Downstream after the 3rd semester.
3. Students will undergo the fieldwork after 3rd semester based on their major.
4. Downstream students will perform their fieldwork in downstream industries
5. Upstream students will go for Earth Science and Hydrocarbon Exploration field work.

Discussion For M.Tech Course (Petroleum Engineering) From the Year 2017 :

1. **Bridge Course** for M. Tech students is suggested for 4 weeks with 20 hours per week. The course was proposed and accepted by the members as pre-requisite for the core courses.
2. It is also proposed that the syllabus of the bridge course will be evaluated in mid-semester in as part of their respective corresponding courses (Earth Science and Sedimentary Geology portion to be included in Hydrocarbon Exploration Techniques; Fundamentals of Drilling to be included in Advanced Drilling, Fundamentals of Production to be included in Advanced Production Engineering and Fundamentals of Reservoir to be included in Advanced Reservoir).
3. Semester wise course structure was discussed in the meeting.
4. In Semester III, Duration for Internship is decided to be 4 weeks by the members.

Discussion For M.Tech Course (Petroleum Exploration) From the Year 2018:

1. Skeletal structure of the course is discussed in the meeting
2. Admission Procedures and academic qualifications for the courses are discussed.
3. It is suggested detailed syllabus may be worked out for formal proposal of the course in June 2018.

The suggestions were unanimously accepted by the BoS members.

The meeting ended with vote of thanks to the Chair.

30/03/17
Dr. B.G. Desai

Dr. Anirbid Sircar

30/03/2017
Dr. Uttam K. Bhui

30/03/17
Dr. Ashish Sarkar

Dr. N. Madhavan

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Ms. Vaishali Sharma

Kriti Yadav
Ms. Kriti Yadav

Mr. Jatin Agarwal

S B Thakore
Mr. Suchen Thakore

Mr. Anil Saxena

Dr. R.A. Sengupta

13th Nov 2017

Subject –MoM of the meeting held on 13th Nov 2017 wrt to Comprehensive Project

Representatives of SoT & SPT including D-SoT & D-SPT along with Dean (FoET) met today in the chamber of D-SoT to understand the modality of implementing the Comprehensive Project (CP) in 8-semester. The MoM points are as under:

The Academic Council resolution (as per Annexure -5B) held on 13th September 2017 has the provision to offer the normal Department/Branch-wise teaching load of FIVE subjects with major project OR else offer two core subjects along with Comprehensive Project (CP) in Semester-8, for current academic year 17-18 as a pilot project. The objective is to make the student more Industry ready.

1. Transfer of credits from 5-course reduced to 2-course; in the light of the above provision is to be done in the following manner. Example; suppose there are 3-subjects each of 4 credits are reduced to offer CP; the transfer of credit to CP will be 12 (3*4=12)
2. For students opting for CP; the teaching pedagogy and contact hours for two compulsory subjects being offered may be either in regular time-table or facilitated by ONLINE mode with a mentor OR to be decided by respective course coordinator.
3. With a motive to monitor; assess and finally evaluate the quality and quantum of the CP which is largely INDUSTRY DRIVEN, periodic review will be undertaken by the mentors. Final review and submission of CP need to be completed by end of May 2018 so that students can graduate. The report of CP will include: objective of the work, the methodology adopted; the data/input collected; the analysis; the final outcome and conclusions/comments of industry & academic mentor. The outcome of the CP should add value to the live industry project being undertaken which may be useful during career mobility.

Dean (FoET)

Director (SPT)
13.11.2017

D-SoT
14/11/17