



SCHOOL OF PETROLEUM TECHNOLOGY

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Board of Studies Meeting

Minutes of the Meeting

8 March 2016

The following members were present in the BoS meeting dated 8 March, 2016.

S. No	Name of Members	Designation
1	Dr. Anirbid Sircar	Director, SPT, PDPU
2	Prof. Ranjan Sengupta	Professor, M S University
3	Mr. Sanjay Parulkar	ONGC
4	Mr. Prakash Kamble	GSPC
5	Prof. Suchen Thakore	L D College of Engineering
6	Ms. Shreya Sahajpal	Faculty, SPT, PDPU
7	Mr. R. Balasubramanian	Faculty, SPT, PDPU
8	Ms. Vaishali Sharma	Faculty, SPT, PDPU
9	Mr. Maunish Shah	Faculty, SPT, PDPU
10	Mr. Manan Shah	Faculty, SPT, PDPU
11	Ms. Shubhra Dhale	Alumni, SPT, PDPU
12	Mr. Jai Mehndiratta	Student, SPT, PDPU
13	Mr. Abhay Jani	Student, SPT, PDPU

Courses were reviewed for B. Tech and the BoS principally agreed to the same. M.Tech Course remains same. The following changes are suggested in B. Tech course for fine tuning purpose course:

SECTION-I

- In order to facilitate *Credit Exchange* between Mewbourne College of Earth and Energy, The University of Oklahoma (OU) and School of Petroleum Technology (SPT), Pandit Deendayal Petroleum University (PDPU), the existing course has been revamped completely.
- The upstream course has been matched exactly with Mewbourne College of Earth and Energy. However, some of the value added courses, which are offered at SPT, and not at OU, have been retained with additional credits.

School of Petroleum Technology (Petroleum Upstream)

- Number of credits has been reduced and courses have been aligned as per the global universities.
- The credits have been mapped in such a way that 1 hour is equal to 1 credit for theory classes. For practical and laboratory sessions, 2 hours are equal to 1 credit.
- Courses like Basic Environmental Studies; Life & Teachings of Swami Vivekananda; are mandatory as per UGC and AICTE, and have been added in the curriculum.
- The Petroleum Engg. (Upstream) course mimics the course of OU till 7th semester and some relevant courses in line with the Indian industry like, Pipeline Engg., Reservoir Modelling and Simulation, Well Testing & EOR have been added in the 8th Semester.

- The credit has increased because of this addition. Moreover, the B.Tech Project spans over 1 year (unlike OU) and carries additional credits.
- Value added courses such as Rural Internship, Industrial Orientation, and Industrial Training continue because of their uniqueness in the industry.
- SPT will also be offering some alternate subjects for a couple of courses (across 7 semesters). These alternate courses are being offered based on the Indian industry needs and requirements and standards.
- Student Credit Exchange will be possible for semester 1 to semester 6. It is advised the students undertake the Final Year Project in SPT PDPU itself.

School of Petroleum Technology (Petroleum Downstream)

- Number of credits for Petroleum Downstream has been matched with Petroleum Upstream in order to have parity in the courses.
- The first four semesters, which are common for both Upstream & Downstream are mimicked with OU.
- From 5th semester onwards, the core downstream course will be started and the course has been designed keeping in mind the global and Indian industry standards.

SECTION II

- Students entering the 3rd semester in June-July 2016 will be offered the course ratified by BoS in April 2015.
- However slight changes in the credits have been made in accordance with Choice Based Credit System (CBCS), as per UGC Guidelines.
- Some courses have been removed from the curriculum and the relevant topics have been included in other existing courses.

BoS Members consent and approve the above mentioned points.

The suggestions by BoS Members have been added in Annexure – I attached herewith.

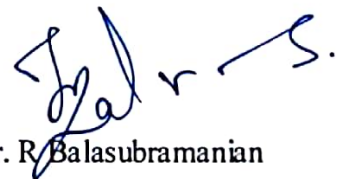
BoS members have suggested discussing the details of the proposed course with Indian Industry Professionals and Institutes offering Petroleum Engineering Programs, before offering the course to students.



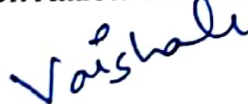
Dr. Anirbid Sircar



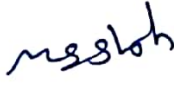
Ms. Shreya Sahajpal



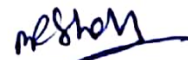
Mr. R. Balasubramanian



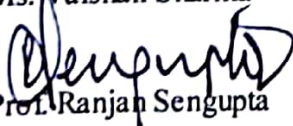
Ms. Vaishali Sharma



Mr. Maunish Shah



Mr. Manan Shah



Prof. Ranjan Sengupta



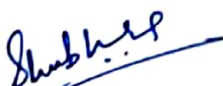
Mr. Sanjay Parulkar



Mr. Prakash Kamble



Prof. Suchen Thakore



Ms. Shubhra Dhale



Mr. Jai Mehndiratta



Mr. Abhay Jani

Board of Studies Meeting
Annexure – I

- The board of studies unanimously accepted the proposal put forward by the faculties of SPT, PDPU regarding change of curriculum both in upstream and downstream from June 2016.
- Although most of the board members agreed, that the Oklahoma aligned course may be a game-changer, the course which exists at present is also excellent.
- Since the number of credit hours has decreased considerably, faculties need to understand the concept of learning centric teaching rather than teaching centric. The student should be motivated to take projects and become self-learner for about 25% of the course.
- Discussion on the course to be introduced to the 3rd semester students happened and small corrective actions were suggested by BoS members, which are taken care of.
- In the course which mimics the Oklahoma syllabus, suggestions have been made in the Chemistry course, where Stoichiometry and solution thermodynamics needs to be added. SPT has already approached Chemistry department for taking the corrective actions.
- The Board feels that teachers with strong fundamental knowledge of Chemistry, Physics and Mathematics should be inducted in SPT in order to have a long term sustainability for First year courses, which are predominantly Science and English subjects.
- Students should be counselled in Spoken English, as most of the students who get admission in PDPU are from Gujarati Medium.
- The board also suggested that the course should be validated with Industries and other institutes of India, to understand the market differentiating attributes with respect to the competing universities.
- SPT also invited two of its students and alumni for discussion and took their views on the proposed course. They also invited Two downstream faculties of repute, who are part of the board to be visiting faculties in order to strengthen the downstream courses.