

PANDIT DEENDAYAL ENERGY UNIVERSITY  
Formerly  
PANDIT DEENDAYAL PETROLEUM UNIVERSITY

Raisan, Gandhinagar – 382 426, Gujarat - INDIA. Website : [www.pdpu.ac.in](http://www.pdpu.ac.in)

NAAC Accredited 'A++' Grade (CGPA 3.52 out of 4.00)

DATE:- 22-MAY-2023

A Board of Studies (BoS) committee meeting of Department of Petroleum Engineering of School of Energy Technology (SoET) Pandit Deendayal Energy University held through Hybrid mode (Physical Presence and virtual mode) in the Earth Science Laboratory, 1<sup>st</sup> floor C- Block of PDEU campus on the 22<sup>nd</sup> of May, 2023 (Monday), from 4:00 p.m. to 6:00 p.m.

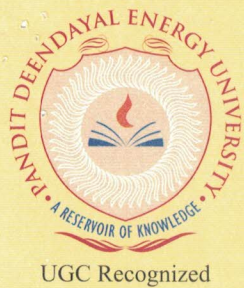
The discussion was initiated by Dr. Uttam K. Bhui, HoD, Department of Petroleum Engineering & Chairman BoS, and it was curated by Prof. Anirbid Sircar (Director, SoET), Dr. Bhwanisingh Desai (Dean R&D, PDEU), and Dr. Pragnesh Bhatt (Dean-SoET).

The invited members of the BoS committee are from a wide variety of organizations, including academicians, professionals, industry experts, alumni, student members, and faculty fraternities from the department. Participants had conversations and conversed about tip-offs.

The following enlisted have attended the BoS committee meeting:

1. Dr Uttam K. Bhui- BoS Chairman
2. Prof. ( Dr.) Anirbid Sircar- BoS member
3. Dr. Bhawanisingh G. Desai- BoS member
4. Dr. Pragnesh Bhatt – Invitee, Dean SoET
5. Prof. T. P Singh – Special Invitee
6. Dr Lakshmana Rao Jeeru- Invitee
7. Prof. (Dr.) Keka Ojha- External Academic Member
8. Prof.(Dr.) Shalivahan- External Academic Member
9. Prof.(Dr) Suryendu Dutta- External Academic Member
10. Dr. Anand Gupta- External Professional member - Dr. V. Bhalla represented the meeting on behalf of Dr. Gupta
11. Dr. Nirav Patel- External Professional member
12. Mr. Pragyan Sharma- Alumni Member

*KBhui*



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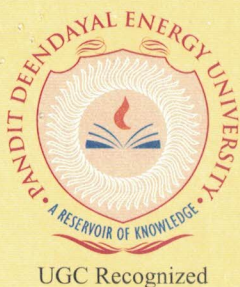
13. Mr. Rajnish Tripathi- Alumni Member
14. Mr. Vurvish Pandya- Recruiter
15. Mr. Neeraj Sinha- Recruiter
16. Manav D. Patel- UG Student Member
17. Tithee Bhavsar- UG Student Member
18. C.H. Prakash- PG Student Member
19. Faculty of the department

**Agenda for the BoS committee meeting**

- 1) Life and Teachings of Swami Vivekananda course is planned to replace the Gandhian Thoughts in the first year B. Tech Petroleum Engineering course in the A.Y. 2023-24. It is proposed to be one credit course instead of an audit course without credits. (Proposed by Prof. (Dr) Anirbid Sircar)
- 2) The two lab courses named as "Reservoir Software Lab" of VII Semester B.Tech., Petroleum Engineering and "Introduction to Petroleum software Lab" of V semester B. Tech., Petroleum Engineering of Undergraduate courses, the syllabus which were given in unit wise is proposed to change into experiment number wise. (Proposed by Dr. Vivek R)
- 3) The "Reservoir Modelling and Simulation" course credits reduced from 4 to 3 in the last BoS which was held on 13<sup>th</sup> December , 2022, the course content is therefore proposed to be reduced based on the modified credits. (Proposed by Dr. Vivek R)
- 4) The "Transport Phenomena" course syllabus of the II semester B. Tech., Petroleum Engineering is proposed to be slightly modified by reorientation of the topics as per the course coordinator recommendation so that the topics fall in line and continuity is maintained. (Proposed by Prof. (Dr.) Ranjan Sengupta).

*KBh*





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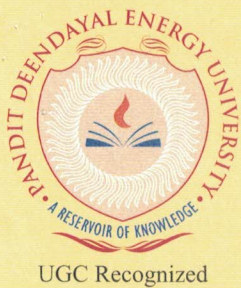
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- 5) The "Chemistry" course of semester II of B.Tech., Petroleum Engineering needs to modify slightly as recommended by the course coordinator. In the syllabus, the unit I reflects the physical chemistry however some of the part from unit II (Organic Chemistry) parked there. Therefore, in the revised syllabus it is amended. Organic Geochemistry: A brief biological background, has been omitted from Unit II as it was repetition in the unit IV too. (Proposed by Dr. Rohit Srivastava.)
- 6) The "Pipeline Engineering" elective- course of Semester VI B.Tech., Petroleum Engineering needs slight change as recommended by the course coordinator. In the syllabus, Construction of pipeline: Introduction, Onshore and Offshore pipeline Construction" has been omitted as it was repetition in the unit II. And CO1 (Understand roles and responsibility of pipeline engineer in the oil and gas industry) is revised with "Understand the basics of pipeline, roles and responsibility of pipeline engineer in the oil and gas industry". (Proposed by Dr. Amit Verma).
- 7) The revision in course outcomes of the Well Log and Formation Evaluation (20PEB225) course is proposed. Based on the syllabus of the course, the course outcomes are redesigned. (Proposed by Dr. Uttam Ku. Bhui and Dr. Maunish Shah)
- 8) Details of Course contents of Minor Specialization entitled "Coastal and Offshore Engineering' to be offered for B. Tech. of other Engineering program of PDEU from Department of Petroleum Engineering from academic session 2023-2024.

### **Minutes of the Meeting**

The Head of the Department, PE & Chairman BoS, Dr. Uttam K. Bhui, presented and detailed all eight agenda points in the Board of Studies meeting for suggestions, modifications, members have expressed and approved the agenda. These are the following discussions during the BoS committee meeting:

*Uttam K. Bhui*



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### Detailed Agenda 1

A proposal on behalf of department was put up to replace the man making course/value addition course, Gandhian thoughts with the Life and Teachings of Swami Vivekananda in the first year (semester-I) of the Bachelor of Technology (B.Tech) in Petroleum Engineering program.

Furthermore, to make the course credited instead of audited carrying one-credit, as per the faculty availability.

External, Dr. V. Bhalla have arised a question regarding the details of no. of hours allotted to the audited course earlier and the no. of hours that are currently adopted for the credited course. Prof. Sircar have justified since the course is a man making course 2h per week can be allotted even though the course is of one credit. Similary, Board members have agreed for the same and further it has put up for an opinion to the School of Liberal Studies (SLS).

Additionally, Dr. V Bhalla have putforth a query whether the man making courses are only adopted in PDEU course structure or it is also a practice in other universities. For which, Dr. Uttam K. Bhui have clarified that according to the New Education Policy (NEP-2020) there is a must inclusion of social sciences course that adds up the ethics and value, which PDEU is abiding.

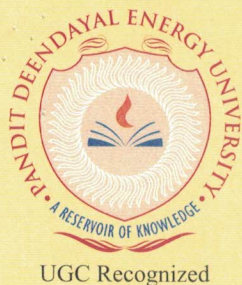
### Detailed Agenda 2

In the final year (Semester-VII) of the B.Tech Petroleum Engineering, department have proposed to alter the syllabus to experiment wise instead of unit-wise for the practical course, Reservoir Enigneering Software. And addition of three more software exercises to the already existing eight exercises making to a total of eleven experiments. Similarly, for the B.Tech third year's (semester-V) practical course, Introduction to Petroleum Software.

For which, External, Prof. Keka Ojha have enquired considering the diversity of the software tools from exploration to well production that are accommodated in the syllabus, whether it is possible to cover all the tools within the specified lab hours and also, how it is feasible for a student to grasp the applications. For which, Dr. Vivek Ramalingam and Dr. Uttam K. Bhui have clarified mentioning that it was already been experimented the previous semester and students have complemented with the course and its duration. Additionally, it is also mentioned that students will be given assignments apart from their lab hours to get themselves equipped with the prelimnary knowledge and particular exercise perquisite details.

*KBh*





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In these lines, Dean-SoET (Dr. Pragnesh Bhatt) have asked to check with the course code change if the course details are revisioned for more than (>20 %). Regarding the same it is clarified that there are no considerable changes made to existing syllabus, except the title alterations.

Furthermore, Prof. Keka Ojha have asked whether the Introduction to Petroleum Software practical (Semester-V) are confined to the familiarity of software interfaces or will be indetailed. And insisted if possible to rename the titles to module names instead of using the software company names. BoS have accepted the reformations and incorporated the same.

### Detailed Agenda 3

For the B.Tech Petroleum Enigneering Semester-VI's theory course, Reservoir Modeling and Simulation, course coordinators have proposed to reduce the contents of syllabus by excluding topics of irrelevance as the earlier BoS meeting have decided to reduce the no. of credits to 3 from 4, similarly reduced from 39h to 36h. Justifications are provided by the course co-ordinators: Dr. Vivek Ramalingam and Prof. T.P.Singh regarding the same.

External, Prof. Keka Ojha have recommened to modify the titles of Unit-3 & 4 slightly to fit the contents. For which, the coordinators have mentioned their consent. Alongside, External Dr. V Bhalla have enquired the reason behind the exclusions of EOR topics, stating their relenave in Indian scenario. Dr. Uttam K. Bhui have defended mentioning that there is exclusive course for EOR which can be opted by a student based on their preference during semester-VII.

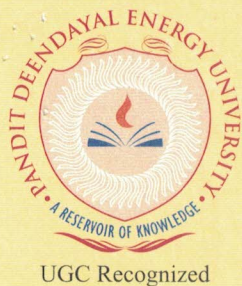
### Detailed Agenda 4

The board unanimously accepted the minor changes/modifications in the syllabus contents of Unit-1 and Unit-2 of the course, Transport Phenomena of B.Tech Petroleum Engineering (Semester-II).

### Detailed Agenda 5

Course coordinator have proposed a slight corrections to the existing content of the syllabus in Unit-1 and Unit-2. For which the committee have accepted. External, Prof. Keka Ojha have enquired whether the Chemistry course is same or different across the FoET. For which Dr. Rohit Srivastava have confirmed Petroleum Engineering's Chemistry syllabus differs slightly in its content from that of other Engineering programmes. Adding that it is in line with the applications in Petroleum Engineering.

*K.P. Bhui*



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### Detailed Agenda 6

Course coordinator have proposed for a correction in course outcome (CO) for the B.Tech Petroleum Engineering (Semester-VI) elective course, Pipeline Engineering. Regarding which BoS have mentioned their agreement. Dr. V. Bhalla have arised a query whether there are any interference of Industrial expertise in imparting the lectures as the course have its broader implications across various aspects of Oil and Gas transportation and Distribution. He have also, put forth the HSE aspects associated with the course contents.

For which, Prof. Anirbid Sircar have clarified the Industrail Expertise involvement in teaching the course that (~10%) dealt with a field practisioner. Also, added the existence of City Gas Distribution (CGD) course at semester-VII. Wherein, the courses full fledgely encovers all the aspects of Designing, Welding, and Grading. Furthermore, he added that course is in line with the perquisites of mid-stream Oil and Gas industry, which comes for the campus drives, encapsulating all the necessary details to ensure deployment of student to the Oil and Gas Tranportaion and Distribution.

### Detailed Agenda 7

The board agreed for the completion revision of course outcomes of the course, Well log and Formation evaluation of the B.Tech Petroleum Engineering (Semester-IV). External, Prof. Keka Ojha have arised a query regarding the CO6. Prof. Anirbid Sircar and Dr. Uttam K. Bhui have reiterated the lines and modifications are incorporated in the syallbus.

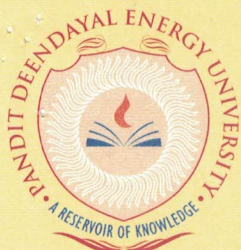
### Detailed Agenda 8

The board agreed for the minor specialization: Coastal and Offshore Engineering from the five Semesters-III, IV, V, VI, and VII. External, Dr. V. Bhalla have enquired regarding the Offshore Platforms. Course co-ordinator, Dr. Hari Sreenivasan have clarified the incorporated contents for various platforms and Coastal structures.

Finally, The BoS Chairman, Dr Uttam K. Bhui, concluded the meeting by approving all the agenda points based on the suggestions/ recommondations received during the discussion. He also extended department's deep gratitude for the External memebbers, Director, Deans, and participants for their contribution, involvement, time, and efforts in enhancing the quality of Petroleum Engineering Programme's syallbus.

**All the Agenda points were thoroughly discussed and unanimously accepted by all the members of the BoS.**





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### 1. BoS Members

**(Dr. Uttam K. Bhui)**  
HoD, Dept. of PE  
*BoS chairman*

**(Prof. Anirbid Sircar)**  
Professor, Dept. of PE  
*BoS Member*

**(Dr. Bhawanisigh Desai)**  
Assoc.Prof, Dept. of PE  
*BoS Member*

**(Prof T. P. Singh)**  
Prof, CoE  
*Special Invitee*

**(Dr. Pragnesh Bhatt)**  
Dean-SoET  
HoD, Dept. of EE

**(Prof. Shalivahan Srivastava)**  
Director  
IIPE, Vishakhapatnam

*Attended online*

**(Prof. Suryendu Dutta)**  
Professor  
Dept. of Earth Sciences  
IIT, Bombay

**(Prof. Keka Ojha)**  
Prof. & Head  
Dept. of Petroleum Engg.  
IIT (ISM), Dhanbad

**(Prof. Niral Patel)**  
Manager (Geosciences)  
GSPC Ltd.

*Dr. V. Bhalla joined on behalf of Dr Gupta (online)*

**(Dr. Anand Gupta)**  
ED/ADG (Development)  
DGH, MoPNG

**(Mr. Manav D. Patel)**  
B.Tech (PE) Sem VIII

**(Miss. Tithee Bhavsar)**  
B.Tech (PE) Sem VI

**(Mr. C. H. Prakash)**  
M.Tech (PE) Sem II

**(Mr. Pragnan Sharma)**  
Alumni

**(Mr. Rajnish Tripathi)**  
Alumni

**(Mr. Urvish Pandya)**  
Recruiter

**(Mr. Neeraj Sinha)**  
Recruiter

**(Dr Lakshman Rao Jeeru)**  
Asst. Prof. DPE



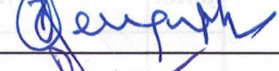
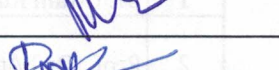

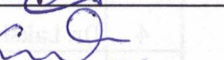
**Department of Petroleum Engineering, School of Energy Technology**  
**Board of Studies Meeting**

**Venue:** Earth Science Lab, C Block, FF  
**Time:** 4:00 pm

**Date:** 22nd May 2023

S.No.	Name of the Faculty	Designation	Signature
1	Dr. Uttam Kumar Bhui	Chairman - BoS	Uttam K. Bhui
2	Prof. (Dr.) Anirbid Sircar	Professor, Petroleum Engg.	[Signature]
3	Dr. Bhawanisingh Desai	Associate Professor, Petroleum Engg.	[Signature]
4	Dr. Lakshmana Rao Jeeru	Assistant Professor (Invitee)	[Signature]
5	Dr. Praghmesh Bhatt	Dean - SoET	[Signature]
6	Dr. T P Singh	Special Invitee	[Signature]
7	Prof. Shalivahan Srivastava	External Expert	
8	Prof. Suryendu Dutta	External Expert	
9	Prof. Keka Ojha	External Expert	Attended online
10	Prof. Niraj Patel	Industry Expert	
11	Dr. Anand Gupta	Industry Expert	Dr. V. Bhatta joined on behalf of Dr. Gupta online
12	Manav D. Patel	B.Tech Petroleum 7th Sem. Student	
13	Tithee Bhavsar	B.Tech Petroleum 5th Sem. Student	[Signature]
14	C.H. Prakash	M.Tech Petroleum 1st Sem. Student	[Signature]
15	Mr. Pragyan Sharma	Alumni	
16	Mr. Rajnish Tripathi	Alumni	
17	Mr. Urvish Pandya	Recruiter	
18	Mr. Neeraj Sinha	Recruiter	
19	Dr. Rohit Srivastava	Invitee	[Signature]
20	Dr. Namrata Bist	Invitee	
21	Dr. Sivakumar P	Invitee	
22	Dr. Hari Sreenivasan	Invitee	[Signature]
23	Dr. Shanker Krishna	Invitee	[Signature]
24	Dr. Paul Naveen	Invitee	[Signature]
25	Mr. Gaurav Hazarika	Invitee	[Signature]
26	Dr. Amit Verma	Invitee	



S.No.	Name of the Faculty	Designation	Signature
27	Dr. Maunish Shah	Invitee	
28	Dr. R Balasubramanian	Invitee	
29	Dr. Ranjan Sengupta	Invitee	
30	Dr. R K Vij	Invitee	
31	Dr. Vivek Ramalingam	Invitee	
32	Dr. Achinta Bera	Invitee	
33	Dr. N Madhavan	Invitee	