

PANDIT DEENDAYAL ENERGY UNIVERSITY

Formerly

PANDIT DEENDAYAL PETROLEUM UNIVERSITY

Raisan, Gandhinagar – 382 426, Gujarat - INDIA. Website : www.pdpu.ac.in

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

NIRF India Rankings 2022: 89th in Management & 106th in Engineering category.

28614

13-12-2022

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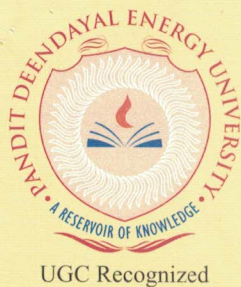
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1. About BoS Committee, Dept. of Petroleum Engineering (SoET, PDEU)

The Department of Petroleum Engineering, School of Energy Technology (SoET), Pandit Deendayal Energy University has organised a Board of Studies (BoS) committee meeting on 13 December 2022 (Tuesday) from 4:00 PM to 6:00 PM. The meeting was steered by Dr. Uttam K. Bhui, HoD, Department of Petroleum Engineering, and superintended by Prof. Anirbid Sircar, Director-SoET, Dr. Bhwanisingh Desai (Dean, PDEU), and Dr. Pragnesh Bhatt, Dean SoET. Tip-offs were chatted and conversed by the invited BoS committee members from various organisations, viz., academicians, professionals, industry experts, alumni, student members, and department faculty fraternity.

The following enlisted have attended the BoS committee meeting:

1. Dr Uttam K. Bhui- BoS Charman
2. Prof. (Dr.) Anirbid Sircar- BoS member
3. Dr. Bhawanisingh G. Desai- BoS member
4. Dr. Pragnesh Bhatt – Invitee, Dean SoET
5. Dr Lakshmana Rao Jeeru- Invitee
6. Prof. (Dr.) Keka Ojha- External Academic Member
7. Prof.(Dr.) Shalivahan- External Academic Member
8. Prof.(Dr) Suryendu Dutta- External Academic Member



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9. Dr. Anand Gupta- External Professional member
10. Dr. Nirali Patel- External Professional member
11. Mr. Pragyan Sharma- Alumni Member
12. Mr. Rajnish Tripathi- Alumni Member
13. Mr. Vurvish Pandya- Recruiter
14. Mr. Neeraj Sinha- Recruiter
15. Manav D. Patel- UG Student Member
16. Tithee Bhavsar- UG Student Member
17. C.H. Prakash- PG Student Member
18. Teaching faculty of the department

2. Agenda for the BoS committee meeting

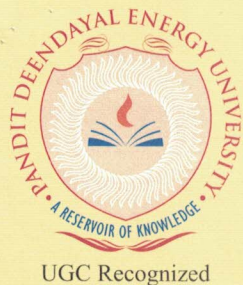
- 1) Amendments in course curriculum and to Incorporate Petroleum Engineering programme majors and minors in the course curriculum for the upcoming intake B.Tech Petroleum Engineering 2023.
- 2) Intensify the current B.Tech Petroleum Engineering 2019 batch's (semester-VIII) major project by increasing the credits.
- 3) Restructure the course curriculum of B.Tech Petroleum Engineering batches – 2020, -2021, -2022
- 4) Confirm the B.Tech Petrochemical Engineering syllabus and restructure the course curriculum

2.1 Detailed Agenda 1

Amendments in the curriculum of B.Tech Petroleum Engineering programme with the introduction of major and minor medleys as tabulated in Table 1. These reforms will be effective from the academic year 2023 intake onwards.

Table 1. Major and minor medleys in the B.Tech Petroleum Engineering programme and their respective intakes

S. No	Major and Minor medleys	Intake
1	B. Tech PE (Major) with the Internet of Things (Minor)	30
2	B. Tech PE (Major) with the Machine Learning (Minor)	30
3	B. Tech PE (Major) with Computer science (Minor)	30
4	B. Tech PE (Major) with the Cyber-Physical Space (Minor)	30



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The finalisation of the course structure will be made around 15 January 2023, and the syllabus will be detailed once after the Academic council's approval.

2.2 Detailed Agenda 2

The current B.Tech Petroleum Engineering (2019 batch) semester-VIII's major project would be intensified by enhancing the credits to 12 from 6. However, the two courses in semester VIII: Hydrocarbon Contracts and Asset Management (20PEB421) and Health Safety and Environment (20PEB422), will be taught for one last time for the current batch, as this particular batch has completed semester VII.

2.3 Detailed Agenda 3

For the BTech Petroleum Engineering batch -2020, -2021, and -2022 following changes were planned:

- i. Industry 4.0 course is introduced in B. Tech Petroleum Engineering and B. Tech Petrochemical Engineering in semester IV.
- ii. The City Gas Distribution (CGD) course is planned to be introduced in B. Tech. Petroleum engineering with 3 credits in semester VI for the BTech Petroleum Engineering 2020 batch.
- iii. The introduced new B. Tech Project policy for the B.Tech final year, which is 12 credits, is effective for the batch 2020. The final semester is exclusively dedicated to major project, without any course to develop the student's research abilities, conference attendance, paper writing, etc. Therefore, the theory courses allocated in Semester-VIII are to be adjusted within the III to VII semesters.
- iv. Pre-project dissertation and Topical seminar courses of the VII semester could be replaced with any two courses.
- v. Open elective credits of III, IV, V, and VI semesters are to add to see the total credits of the program to be not exceeded 165. In this connection, some of the subject credits would be given low credits after discussion in a faculty meeting.

2.4 Detailed Agenda 4

The agenda points are related to course curriculum development and finalising the complete syllabus for all the courses from the IV semester to the VIII semester.

- i. In the B.Tech Petrochemical Engineering Industry 4.0 course is introduced in the IV semester

- ii. City Gas Distribution course is introduced in place of Gas Processing Technologies –II of the VI semester
- iii. Complete the syllabus of all the courses proposed for approval. As per the B. Tech project Policy, no theory courses are offered in the VIII semester in the Petrochemical Engineering curriculum. Including open elective credits, the total credits of the program should see below 165.

3. Minutes of the meeting

The Head of the Department, Chairman Dr. Uttam K. Bhui, presented and addressed in detail all four agenda points in the Board of Studies meeting for approval and suggestions. Members expressed and approved the agenda. The discussions during the BoS committee meeting are as follows:

1. Prof. (Dr.) Keka Ojha got clarification regarding the B. Tech PE program with Major and Minor combinations, and she was quite convinced and felt happy with all the clarification given by Prof. (Dr.) Anirbid Sircar regarding the weightage of the minor course combined with the major Petroleum Engineering. Other external BoS members from academia and industry expressed their complete satisfaction with these clarifications. All the BoS members accepted and approved.
2. **Agenda 2** is well accepted by all the BoS members without any objections since the students of the 2019 batch already completed their VII Semester, the two courses Health, Safety and Environment(HSE) and Hydrocarbon Contracts and Asset Management (HC&AM) based on their importance could continue for these batch only.
3. **Agenda 3**, course structure, and course content changes were put forward for the BoS for comments and suggestions for further improvement.

The comments were made by individuals described as follows:

- i. Dean, SoET Dr. Pragnesh Bhatt suggested keeping Industry 4.0 with 2 theory and 2 lab hours with 3 credits as it is followed in all the departments across SoET, and SoT of the university.
- ii. As rightly pointed out by the Director SoET Prof. (Dr.) Anirbid Sircar, the open elective offered to the students in I VI semesters, would also be put across in the BoS and will also

take approval from concern by circulation. The credits of open electives courses the students already took include calculating No. of credits

- iii. Prof. (Dr.) Keka Ojha has pointed out that how to manage too many courses (9 theory 3 lab) offered in the VI semester. The departmental members Dr. Bhawani Singh G. Desai and Charman have clarified. She was quite happy with the clarification. The BoS agreed to work on this suggestion given to reduce the number of theory courses VI and VII semesters by conducting an internal meeting in the department.
 - iv. Prof.(Dr.) Anirbid Sircar has clarified to the members the importance and job prospects of the City Gas Distribution course to make it compulsory for Petroleum Engineering students in addition to Petrochemical Engineering through it mid and downstream.
 - v. One of the Alumni members Mr. Prayan Sharma from ONGC, has expressed, happiness in Bringing back the subject City Gas Distribution, which is in more demand by recruiters.
 - vi. Prof.(Dr.)S. Dutta has clarified the title and importance of one of the courses offered in the IV semester Earth science and Hydrocarbon field visit. Based on the sufficient clarifications given by Dr. Bhawani Singh G. Desai, it was well-cleared to the member.
 - vii. About the course title Industry 4.0, the member Mr. Pragyan Sharma clearly explained rightly, and Prof. Keka Ojha with that explanation and she mentioned this course would also be kept as a compulsory course in the department of Petroleum Engineering, IIT(ISM) Dhanbad.
4. **Agenda 4**, Agenda 4, a detailed B.Tech Petrochemical Engineering programme's syllabus till semester VII has been submitted for the BoS approval. Prof. (Dr.) Keka Ojha has suggested including topics related to Solid Waste Management in Unit-IV of the Health, safety, and Environment course i.e., offered in semester VI. The suggestions are received and accepted by the BoS. However, the course Pharmaceutical Engineering's(Core Elective IV sem) syllabus is modified as per the suggestions and recommendations are given by the concerned faculty in consideration of the current industrial practices and pharmaceutical technologies, which are approved in the BoS.
5. The BoS Chairman, Dr. Uttam K. Bhui, concluded the meeting by approving all the agenda points. He also took the opportunity to thank and appreciate all the BoS members for their kind endeavours and contribution towards the BoS.


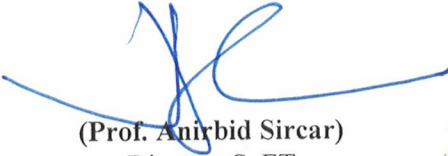






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6. The chair also requested all the external members for their physical presence on campus at the next meeting. He mentioned that presentation of this meeting would be shared with all the agenda points.

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

4. BoS Members

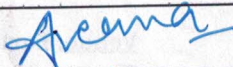
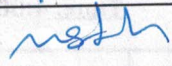
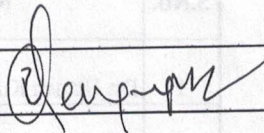
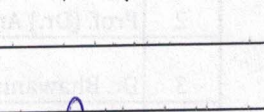
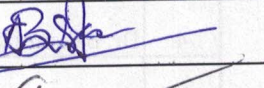

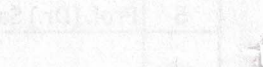
 (Dr. Uttam K. Bhui) HoD, Dept. of PE <i>BoS chairman</i>	 (Prof. Anirbid Sircar) Director-SoET Professor, Dept. of PE <i>BoS - MEMBER</i>	 (Dr. Bhawanisigh Desai) Dean R&D Assoc.Prof, Dept. of PE <i>BoS - MEMBER</i>
 (Dr. Lakshmanarao Jeeru) Asst. Prof, Dept. of PE <i>BoS Invitee</i>	 (Dr. Pragnesh Bhatt) Dean-SoET HoD, Dept. of EE	(Prof. Shalivahan Srivastava) Director IIPE, Vishakhapatnam
<i>JOINED ONLINE</i> (Prof. Suryendu Dutta) Professor Dept. of Earth Sciences IIT, Bombay	<i>JOINED ONLINE</i> (Prof. Keka Ojha) Prof. & Head Dept. of Petroleum Engg. IIT (ISM), Dhanbad	<i>JOINED ONLINE</i> (Prof. Niral Patel) Manager (Geosciences) GSPC Ltd.
<i>JOINED ONLINE</i> (Dr. Anand Gupta) ED/ADG (Development) DGH, MoPNG	 (Mr. Manav D. Patel) B.Tech (PE) Sem VII	 (Miss. Tithee Bhavsar) B.Tech (PE) Sem VI
 (Mr. C. H. Prakash) M.Tech (PE) Sem I	<i>JOINED ONLINE</i> (Mr. Pragyan Sharma) Alumni	(Mr. Rajnish Tripathi) Alumni
(Mr. Urvish Pandya) Recruiter	<i>JOINED ONLINE</i> (Mr. Neeraj Sinha) Recruiter	

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

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

Date: 13th December 2022

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. Lakshmanarao Jeeru	Assistant Professor (Invitee)	[Signature]
5	Dr. Praghnesh Bhatt	Dean - SoET	[Signature]
5	Prof. (Dr.) Salivahan	External Academic Member	
6	Prof. (Dr.) Suryendu Dutta	External Academic Member (Invitee)	Attended online
7	Prof. (Dr.) Keka Ojha	External Academic Member	Attended online
8	Dr. Niral Patel	External Professional Member	Attended online
9	Dr. Anand Gupta	External Professional Member	Attended online
10	Manav D. Patel	B.Tech Petroleum 7th Sem. Student	[Signature]
11	Tithee Bhavsar	B.Tech Petroleum 5th Sem. Student	[Signature]
12	C.H. Prakash	M.Tech Petroleum 1st Sem. Student	[Signature]
13	Mr. Pragyan Sharma	Alumni Member	Attended online
14	Mr. Rajnish Tripathi	Alumni Member	
15	Mr. Urvish Pandya	Recruiter	
16	Mr. Neeraj Sinha	Recruiter	Attended online
17	Dr. Rohit Srivastava	Invitee	[Signature]
18	Dr. Namrata Bist	Invitee	[Signature]
19	Dr. Sivakumar P	Invitee	[Signature]
20	Dr. Hari Sreenivasan	Invitee	[Signature]
21	Dr. Shanker Krishna	Invitee	[Signature]
22	Dr. Paul Naveen	Invitee	[Signature]
23	Mr. Gaurav Hazarika	Invitee	[Signature]

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