# UNIVERSITY GRANTS COMMISSION BAHADURSHAH ZAFAR MARG NEW DELHI - 110 002

REPORT OF THE INSPECTION COMMITTEE ON ITS VISIT TO THE PANDIT DEENDAYAL PETROLEUM UNIVERSITY (A PRIVATE UNIVERSITY), GANDHINAGAR, GUJARAT FROM 3<sup>RD</sup> TO 4<sup>TH</sup> OCTOBER, 2009.

#### I. BACKGROUND OF UNIVERSITY:

Pandit Deendayal Petroleum University (PDPU) was established by Gujarat Energy Research & Management Institute (GERMI) as a Private University through the State Act enacted on 4th April, 2007. Gujarat State Petroleum Corporation (GSPC - A Govt. of Gujarat undertaking) established GERMI as Society as well as Trust under Societies Registration Act, 1860 & Bombay Public Trust Act, 1950 respectively in April, 2004 following an MoU signed on 28<sup>th</sup> day of September, 2003 during Vibrant Gujarat Global Investors Summit. Under the aegis of GERMI, GSPC promoted Pandit Deendayal Petroleum University to create a world class University in energy education and research with special focus on the oil and gas sector.

**VISION:** The vision of the University is to become an internationally renowned & respected Institution imparting education & training based upon the foundation of futuristic research & innovation.

MISSION: The mission of the University is to undertake unique obligation for Education in Energy Engineering and Management with special responsibilities in domain specific aspects of Oil & Gas; to seek to nurture students of extraordinary motivation and ability, and prepare them for life-long learning and leadership in an increasingly knowledge driven world and to envisage to establish institutes of excellence in education, competitive edge in research and real time relevance with futuristic thrusts in offering of programmes and undertaking of activities and projects.

**OBJECTIVES:** The objectives of the University are to address the need for trained and specialized human resource for Oil & Gas Industry worldwide. It intends to expand the opportunities for students and professionals to develop intellectual knowledge base with leadership skills to compete in the global arena. This objective is being addressed through a number of specialized and well-planned undergraduate and post-graduate energy education programmes and intensive research initiatives.

# **Schools and Centers:**

The University has total five Schools and two Centres:

- School of Petroleum Management
- School of Petroleum Technology
- School of Solar Energy
- School of Nuclear Energy
- School of Liberal Studies

#### **Centers**

- Centre of Good Governance and Policy
- Centre of Energy Studies and Research

## **Courses Offered at the University:**

## **School of Petroleum Technology**

- 4 year B. Tech. programme in Petroleum Engineering
- 2 year M. Tech. programme in Petroleum Engineering
- Ph. D. programme

## **School of Petroleum Management**

- 2 Year MBA programme
- 2 year PGDPM-X programme for working executives
- Ph. D. Programme

## **School of Nuclear Energy**

• 2 year M. Tech. programme in Nuclear Engineering

## **School of Solar Energy**

• Ph. D. programme

## **School of Liberal Studies**

• 4 year BLS programme in Liberal Studies

## **Enrollment for the Academic Year 2009:**

Undergraduate Students: 756Post Graduate Students: 196

#### II. COMPOSITION OF THE EXPERT COMMITTEE

The following is the composition of the Expert Committee:

1. Prof. L. Venugopal Reddy

- Chairman

(Former Vice-Chancellor, Andhra & Nagarjuna University)

Professor of Management

S. K.D. University,

Anantapur (Andhra Pradesh)

2. Prof. R. P. Singh

- Member

Professor of Oil Technology

Director, Harcourt Butler Technological Institute

Kanpur (Uttar Pradesh)

3. Dr. D. R. Somashekar

- Member

Director, Anand Engineering College

Agra-Delhi Highway

Keetham, Agra (Uttar Pradesh)

4. Prof. G. H. Rao

- Member

Biotechnological Department

ANITS Engineering College

Sangivalasa-531 162

Visakhapatnam District

(Andhra Pradesh)

5. Prof. K. G. Narayankhedkar

- Member

Director

Veermata Jijabai Technological Institute (VJTI)

Mumbai (Maharashtra)

6. Prof. R. Sundaravadivelu

- Member

Department of Ocean Engineering

IIT- Madras

Chennai (Tamil Nadu)

7. Prof. S. L. Bapat

Department of Mechanical Engineering

- Member &

IIT-Bombay

Mumbai (Maharashtra)

AICTE Nominee

8. Dr. Shakeel Ahmad

Deputy Secretary, UGC

- Member-Secretary

Prior to the actual assessment of the physical and academic infrastructure of the Pandit Deendayal Petroleum University, Gandhinagar, Gujarat, Prof. L. Venugopal Reddy, Chairman and Dr. Shakeel Ahmad, Member-Secretary, of the Expert Committee briefed all members including nominee of the AICTE about the purpose of the Visit.

The members of the Expert Committee were received by the Director-General, Registrar and Directors of the Schools. After a formal introduction of the Expert Members, the Director-General of the University and Directors of the Schools made presentation on the activities and programmes offered by the University. The mission, vision and objectives

were shared with the members of the Expert Committee. After the presentation, a number of queries were raised by the Expert Members. The University authorities replied to the queries satisfactorily. Thereafter, the Expert Members visited all the Schools, Centres and supporting facilities like hostels, sports facilities, canteen, auditorium etc. The Committee had a detailed discussion with the students, teaching faculty and members of the management.

The Inspection Report based on the presentation made by the University Authorities, discussion with students, teaching staff and members of the Board of Governors and documents/information provided by the Registrar of the University is as follows:

## III. INSPECTION REPORT

1.	Name of the University with notification No & date of Govt.	Pandit Deendayal Petroleum University {Pandit Deendayal Petroleum University Act, 2007 (No.14 of 2007) dated 04.04.2007} Copy of the Act enclosed as <b>Annexure - I</b> Notification No.: GU/2007/46/GPC-11/2006/1814/E dated 21.04.'07 Copy of the Notification enclosed as <b>Annexure - II</b>
2.	Registered Office of the University	At & Post: Raisan, Off. Koba-Gandhinagar Highway, Gandhinagar - 382007 (Gujarat).
3.	Name & Headquarters of the Society / Promoting Agency	The name of Society is as under:  Gujarat Energy Research & Management Institute [GERMI].  Block No.:15, 3 <sup>rd</sup> Floor,  Udyog Bhavan, Sector-11, Gandhinagar - 382011 (Gujarat).
4.	Whether the Society/Agency is involved in Promoting / running any other University /Institution? If yes, give details:	No
5.	Territorial Jurisdiction	Gujarat
6.	Date of Visit	3 <sup>rd</sup> & 4 <sup>th</sup> October, 2009
7.	Programmes permitted to be offered by Gazette Notification of State Govt. and its reference.	The University has been established by Pandit Deendayal Petroleum University Act, 2007 (Gujarat Act No.14 of 2007) (Annexure-I). Programmes are decided by the Board of Governors of the University on the recommendations of the Academic Council of the University
8.	Whether all documents requested by the Inspection Team were provided.	Yes
9.	If no, what are the deficit documents (List to be enclosed).	Nil

10. Whether administrative authorities like Governing Council, Academic Council & BOS Formed and minutes of their meeting produced?

Yes

# **Board of Governors**

# **Chairman**

## Dr. Mukesh D. Ambani

Chairman & Managing Director, Reliance Industries Ltd. President, Pandit Deendayal Petroleum University

	<u>Members</u>					
Prof. Kartic Khilar Diretor General, Pandit Deendayal Petroleum University	Shri Hasmukh Adhia, IAS Principal Secretary, (Higher and Tech. Education) Government of Gujarat, Gandhinagar					
Shri S. Jagatheesan, IAS Principal Secretary to GoG.Energy & Petrochemical Dept.Gandhinagar	Shri D. J. Pandian, IAS Managing Director, Gujarat State Petroleum Corporation Gandhinagar					
Prof. Bakul H. Dholakia Advisor, Adani Group, Adani House,	Shri. Vikram Singh Mehta Chairman The Shell Group of Companies in India, 1018, Maker Chamber V, 10 <sup>th</sup> Floor, Nariman Point, Mumbai - 400021					
Shri Subir Raha	Dr. R. A. Mashelkar, FRS					
Team Raha Ideation (P) Ltd. Promoter Chairman S-409, 2nd Floor, GK-II, New Delhi – 110048	Bhatnagar Fellow National Chemical Laboratory Dr. Homi Bhabha Road Pune - 411 008					
Team Raha Ideation (P) Ltd. Promoter Chairman S-409, 2nd Floor, GK-II, New Delhi –	Bhatnagar Fellow National Chemical Laboratory Dr. Homi Bhabha Road					

**Shri N. Sundaram** is the Registrar & Secretary of the Board of Governors of Pandit Deendayal Petroleum University

# **Academic Council**

## Chairman

## **Prof. Kartic Khilar**

Director-General Pandit Deendayal Petroleum University Raisan, Gandhinagar, Gujarat

N	<b>Iembers</b>
Dr. P. K. Banik Director, School of Petroleum Technology, PDPU Campus, Raisan, Gandhinagar	Dr. R. V. Marathe Director,Institute of Reservoir Studies(IRS) Chandkheda, Ahmedabad
Prof. Rangan Banerjee Faculty, IIT Mumbai, Mumbai	Prof. A. K. Mittal MHRD IPR Chair Professor Industrial & Management Engg. Indian Institute of Technology Kanpur
Dr. Jayant Kelkar Head, Corporate Technical Service Reliance Industries Limited	Dr. Ajit Shukla Faculty, School of Petroleum Technology, PDPU Campus, Raisan, Gandhinagar
Prof. Bhavesh Patel Director, School of Petroleum Management PDPU Campus, Raisan, Gandhinagar	Dr. Arun Sharma Faculty, School of Petroleum Technology, PDPU Campus, Raisan, Gandhinagar
Dr. Sudhir Yadav Faculty, School of Petroleum Management, PDPU Campus, Raisan, Gandhinagar	Shri N. Sundaram Registrar, PDPU PDPU Campus, Raisan, Gandhinagar

# **Finance Committee**

# Chairman

## **Prof. Kartic Khilar**

Director General Pandit Deendayal Petroleum University Raison, Gandhinagar, Gujarat

Members				
Shri D. J. Pandian,	Shri Rajesh Adani			
IAS	Managing Director			
Managing Director	Adani Enterprises Limited			
Gujarat State	Adani House, Mithakhali Cross			
Petroleum Corporation	Road,			
	Navrangpura, Ahmedabad			

		Shri V. K. Sharma CEO, GIPL & Secretary, GERMI 114, Infocity Tower-1, Infocity Campus, Gandhinagar Shri N. Sundaram Registrar, PDPU PDPU Campus, Deigen Condbinager	Prof. Naresh Jotwani Director, School of Solar Energy & School of Nuclear Energy PDPU Campus, Raisan, Gandhinagar
11.	Source of finance and quantum of funds available –  • From fees  • From State Govt.  • From UGC  • From other sources (details)	Raisan, Gandhinagar  For the FY.2008-2009  Rs. 09.89 Crores Rs. 01.02 Crores Rs.10.91 Crores	Funds available as on 30.09.09 as per books Rs.1.40 crores
12.	Corpus Fund of the Society/trust shown to the Inspection Team.	The Trust/Society has fixed crores in Corporation Bank (Details of FDRs list is end	
13.	Statement of Income & Expenditure for the last 3 years (year-wise).	2007-08 45600 2008-09 109165760 2009-10* 92202582 * Upto 30.09.2009 (Unau	N.A. N.A. 0.00 1615120.00 6.00 103502501.00
14.	(i) Land documents, if shown, area of land registered in the name of the University and its location in the State.	Yes. 24.18 Acres (97,716 S Complete Address: Villag PDP University Office, SI Blocks area = Block No.29 into (Final Plot No.: 295/1 Play Ground Area = Block Final Plot No.:273/2 Town	ge Raisan, Gandhinagar - 382007.  PM & SPT Building & PG Hostel 93, 297, 298, 299 & 300 converted of Town Plan No.19)  A No.188, 189 & 274 converted into Plan Scheme No.:19  No.265 & 272 converted into Final
	(ii) Deposits made in the name of Society/ University, separately or jointly with state authorities.	Yes.  The PDPU has fixed depo and Corporation Bank.	sit accounts in two banks i.e. OBC

			Sr.No.	F	Bank	Amount (Rs.)					
			1		x of Commerce	10,59,09,057					
			2	Corporation I		30,00,00,000					
				_	Total	40,59,09,057					
			(D)	0EDD 1 1		<u> </u>					
					oth the banks are	O					
					copies of all the F Annexure - III B						
			Danks a	e chelosed as	Amicaure - III D	,					
			Out of th	Out of the FDRs (Annexure - III) of Rs.40 Crores, Rs.5 Crores							
				are put up as per the PDPU Act condition as an Endowment							
1.7		1 0.00 D 11	Fund for	a period of fiv	e years.						
15.	Adminis	strative Office Details									
	i)	Total plinth area,	410 Sq mtr								
	ii)	Built up area.	600 Sq mtr								
	iii)	Separate offices for									
		a. Vice Chancellor,	32 Sq. m								
		b. Registrar,	18 Sq. mtr.								
		<ul><li>c. Financial Officer,</li><li>d. Controller of</li></ul>	18 Sq. mtr. 50 Sq. mtr.								
		Examination,	30 Sq. II	ш.							
		Administrative office,									
		e. Committee Room,	30 Sq. m	ıtr.							
		f. students waiting room	60 Sq. m	ıtr.							
		g. Examination store	20 Sq. m	ıtr.							
		room									
16	Building	g details etc.									
	i) Perm	nanent	Yes								
	, , ,			rticulars	Area						
			Adm	inistrative	1600 Sq.m.						
				ock area							
				cademic	17000 Sq.m.						
				stel area	18000 Sqm						
			Gue	est House	-						
	ji) Tem	nporary/Leased property		_							
17.		tails of Library									
	(i)	Covered area	650 sqm								
	(ii)	Number books	13246								
	(iii)	Number of journals									
		(a) National	107								
		(b) International	41								
			No of a	iournala, 1422							
				journals: 1433							
			(Details enclosed as Annexure - VI)								

18.	Number of Classroom, give details.								
		S.No.	Cla	ssroom	/Lecture	Nos.	Acco	mmodatio	on
			The	eatre			capa	city of stu	dents
		1.	Cla	ssroom		10	60 s	tudents eac	ch
		2.	Le	cture Th	eatre	3	240	students ea	ach
		3.	Tu	torial R	oom	1	40 s	tudents	
19.	Number of Laboratories, give details.						ntioned b	elow:	
					science l				
					cience La	ıb			
		3. Earth science Lab							
		<ul><li>4. Drilling Fluid Lab</li><li>5. Petroleum Engineering Lab</li></ul>							
					-	-			
				ication puter L	Technolo	gy Lab			
				•					
		8. Language Lab							
		In general 30 students can work at a time - normally three students in a group works on a single instrument. 10 experiments are arranged at a time so that 30 students can easily be taken care of.							ent. 10
		Detaile	d inf	formati	on is atta	ached a	t Annexi	ıre - VII	
20.	Whether students already admitted? If yes, details of courses and the number of students admitted in	Yes.							
	each course during the last three years.	Yea		MBA	B.Tech	BLS*	M.Tech	PGDPM- X	Ph.D.
		2006-		60	-	-			
		2007-	08	60	232	-	7		3
		2000	00	<b>60</b>	227			26	2
		2008-		60	237	47	6	26	3
		2009-		60	232	47	12	18	3
		ac.	neioi	r of Lib	eral Stud	nes			
21	Whather any Off Communicati	No							
21.	Whether any Off-Campus or	No.							
	Study/offshore Centre or Admission Centre/established								
	outside the state/abroad.								
	outside the state/abroad.								
22.	Whether functioning of the	Yes.							
	University has been Computerized?								
	If yes, to what extent?	Up to the	he m	aximum	extent fo	or			
		Admin							
		Accour							
					olment of	student	ts		
		Examir		1					
		Library		. , ,					
		Feedba	ck of	studen	ts				
22	December 1D ( )	A 11 41		1- C	14:-		11 4	1	C 1
23	a) Research and Extension					-	-	concerned	-
	Facility							the Unive being creat	
		_				cii iacii	nnes alt	being clear	icu allu
		augmented every year.							

Rural internship is integral part of the B.Tech programme and students have to undergo this for one month.

Neighboring village students are invited for one month in University Campus to feel and have first hand information of the University, campus awareness and creativity

S.No.	Name of Laboratory	No. of Equipments
1	Engineering science Lab	40
2	Integrated science Lab	24
3	Earth science Lab	31
4	Drilling Fluid Lab	18
5	Petroleum Engineering Lab	08
6	Fabrication Technology Lab	65
7	Computer Lab	240
8	Language Lab	133

b) List of Research
Publications for the last 3
years.

Name of the School	No. of Publications for the year					
	2007 - 08	2008 - 09	2009 - 10			
School of Petroleum Technology	26	38	22			
School of Petroleum Management	13	11	02			
School of Solar Energy	02	4	10			
School of Liberal Studies	NA	NA	-			
School of Nuclear Energy	NA	NA	-			

**Enclosed as Annexure - VII A** 

c) List of ongoing research projects with their source of funding

- 1) Dr. Arun Sarma, Associate Professor (Physics)
- 1) **DST, Govt. of India** sponsored project on "Development of Positive Pulsed Bias Plasma Source for Processing Insulating Materials". The approved amount to run this project is 33.45 Lacs.
- 2) **BRFS, Govt. of India** sponsored project on "Laser heated Emissive Probe for Plasma Potential Measurement". The approved amount of this project is 9.35 Lacs.
- 2) Dr. Bhawanisingh G. Desai, Assistant Professor (Geology)
- 1) **DST, Govt. of India** sponsored project on Ichnofabric Mapping of the Mundhan and Guneri Sections with Special Reference to Umian-Mundhanian (Kutch Stages), Western Kachchh, Gujarat. Project cost: Rs. 14, 41,600/-

		*	hvesh Badheka, Assist anical)	ant Professor					
		1) Weldability aspects of Low Activation Ferritic-Martensitic Steel welded by activated Flux Tungster Inert Gas Welding Process - Duration : 2 years Project Cost: 24,00,000/- funded by Institute of Plasma Research, under Department of Atomic Energy							
		2) DST, Govt. of India sponsored project on Gas Metal Arc Welding with Metal Core Wire - Duration : 2 years, Project Cost: 19,00,000/-							
		4) Dr. Lalita Ledwani, Assistant Professor (Chemistry) is doing Research on:							
		1) Technically <b>approved by SERC, DST, Govt. of India</b> sponsored project on Plasma surface modification of polyester fiber and fabric to enhance dye uptake properties with natural dyes - Duration : 3 years, proposed budget: 34,00,000/-							
		5) Dr. V. I (Chen	K. Srivastava, Associa iistry)	ate Professor					
		Energy recovery from Crude oil residue using thermal plasma pyrolysis (Applied for 52.7 lacs, Submitted to TSG - DST, 3 years, with Dr. S.K.Nema, IPR-Gandhinagar as							
24.	Future Plan for starting new	Co-investi	Solar Engineering						
27.	courses:		Petroleum Exploration	า					
	Courses		Liberal Studies	.1					
			M. Tech in Chemical I	Engineering					
			M. Tech in Mechanica	_					
			M. Tech in Civil Engir	0					
			M. Tech in Pipeline E	_					
			Petrochemicals	88					
		_	Pipeline Distributions	<b>,</b>					
25.	Whether courses in emerging areas	Yes.							
	introduced/proposed to be	Existing cours		<b>T</b> 7 0					
	introduced	Degree	Discipline	Year of Commencement					
	•	MBA	Petroleum	2006					
			Management						
		B.Tech	Petroleum	2007					
			Engineering						
		M.Tech	Petroleum	2008					
		DPD	Engineering	2008					
		PhD	• Engineering • Management	2008					
			<ul><li>Management</li><li>Social Sciences</li></ul>						
			<ul><li>Social Sciences</li><li>Humanities</li></ul>						
		PGDPM-X	Petroleum	2008					
			Management						
		BLS	Liberal Studies	2009					

		Proposed Courses : -				
		<ul> <li>M. Tech in Solar Engineering</li> <li>M. Tech in Petroleum Exploration</li> <li>Master of Liberal Studies</li> <li>B. Tech &amp; M. Tech in Chemical Engineering</li> <li>B. Tech &amp; M. Tech in Mechanical Engineering</li> <li>B. Tech &amp; M. Tech in Civil Engineering</li> <li>B. Tech &amp; M. Tech in Pipeline Engineering</li> <li>Diploma in Petrochemicals</li> <li>Diploma in Pipeline Distributions</li> </ul>				
26.	Whether approval of relevant statutory bodies obtained for starting professional/ courses/ increased intake.	AICT	ncil/AICTE for all course are enclosed as Annexure-			
27.	Admission procedure.	<b>A.</b>	MBA			
			Eligibility and Selection Process			
			Candidate who have appeared at Common Admission Test (CAT) conducted by IIMs are eligible to apply. Shortlisted candidates are then called for GD/PI.			
		В.	B.Tech			
			Eligibility and Selection Process			
			Candidates who have			
			<ul> <li>Passed Higher Secondary Examination (or its equivalent) with Physics, Chemistry, and Mathematics</li> </ul>			
			AIEEE - Score Card			
		C.	PGDPM-X			
			Eligibility and Selection Process			
			Candidates having graduate degree and working in Oil & Gas or allied sector are eligible to apply. Preference is given to experienced professionals.			
		D.	M. Tech			
			Eligibility and Selection Process Candidates having B.E. / B.Tech. degree in Petroleum / Mechanical / Chemical / Electrical & Electronics / Instrumentation & Control Engineering. Candidates must have at least 2 years of professional experience in a relevant field. MSc in Physics, Electronics, Civil, metereological			

#### E. BLS

## **Eligibility and Selection Process**

- The +2 level examination in the 10+2 pattern of examination of any recognized Central/State Board of Secondary Education, including Central Board of Secondary Education, New Delhi, and Council for Indian School Certificate Examination, New Delhi.
- Intermediate Science or Two-year Pre-University Examination conducted by a recognized Board/University.
- Intermediate Science or Two-year Pre-University Examination conducted by a recognized Board/University.
- Final Examination of the two-year course of the Joint Services Wing of the National Defence Academy.
- General Certificate Education (GCE) Examination (London/Cambridge/Sri Lanka) at the Advanced (A) level.
- High School Certificate Examination of Cambridge University.
- Any Public School/Board/University Examination in India or in foreign countries

Final Admission will be on the basis of their performance in the Written Aptitude Test and GD/PI.

#### F PhD

#### **Eligibility and Selection Process**

#### (i) For candidates with Science background:

Master's degree in Physics, Applied Mathematics, Geology, Applied Geology, or Applied Chemistry, with a minimum of 60% marks or equivalent CPI, and a valid GATE score or NET qualification.

## (ii) For candidates with Engineering background:

a) M.Tech degree or equivalent in an appropriate discipline with minimum of 60% marks or equivalent CPI.

OR

b) B.Tech degree or equivalent in an appropriate discipline with minimum of 65% marks or equivalent CPI s and a valid GATE score.

#### (iii) For candidates with Management background:

Master's degree in Management / Engineering / Science / Social Sciences / Commerce or Humanities with minimum of 60% marks or equivalent CPI s.

		(iv) For candidates with Humanities, Arts & Social Sciences:							
		Master's degree in Humanities, Arts or Social Science with a minimum of minimum of 55% marks or equivalent CPI, and a valid NET qualification. Candidates must submit with their application a statement of their research interest.							
28.	Fee structure for the different courses run by the university.	Fee struc	ture (e	excl	uding re	fundab	le depos	its)	
		Courses I year II Year III Year IV V year Total Offered							
		5 yr M.Tech	138,000	0	138,000	138,000	138,000	140,500	692,500
		B.Tech	138,000		138,000	138,000	140,500		554,500
		2 yr M.Tech	89,00	0	87,000				176,000
		Phd	59,000	)	57,000	57,000	57,000		230,000
		MBA	60,30	0	54300	,			114600
		PGDPM	27930		285800	02.000	02.000		565100
		4 yr BLS 2 Yr	82000 1,12,00		82,000, 1,12,000	82,000	82,000		3,28,000 2,24,000
		M.Tech	1,12,00	50	1,12,000				2,24,000
		Nuclear							
		Eng.							
29.	Examination System.	Details ar	es		nual/Semes (A/S)	ter	Total Marks () Theory Marks Marks for Internal		
		5 yr M.Tec	h		Α.	/DI	1		essment
		B.Tech	11		A S		The evaluation system is solely based on Credit		
		2 yr M.Tec	h		A				
		Phd			A				ents in
		MBA PGDPM			S	s particular whole evaluar		semester. The	
		4 yr BLS			S			iation p	rocess 1s
		2 Yr M.Tec			S	inte	ernal.		
		Nuclear En	g.						
		Enclosed	at An	nex	ure - X.				
30.	Number of sanctioned posts Professors - Readers - Lecturers.	Sanction	ned Po	st	No of Post	Pay	Scale (	Pre-rev	ised)
		Professo	r		04	18,	400-500	-22,400	
		Associate Professor		10		400-450			
		Assistan Professo			12	12,	000-420	-18,300	
		Lecturer			13	350	000/- pm	(Fixed)	
		Total			39				

31.	Names, designations, qualifications And publications of the existing teaching staff (department-wise).	S. No.	Department wise name of the school	No. of Prof.	No. o Asso Prof.	of A		Lect urer	Total
		1	School of Petroleum Management	3	4	2		-	9
		2	School of Petroleum Technology	1	6	8		9	24
		3	School of Solar Energy	-	-	2		4	6
		4	School of Liberal Studies	Posts a	dvertis	sed	1		-
		5.	School of Nuclear Engineering	-	-	-		-	-
			Total	4	10	12		13	39
			led data is enclo						
32.	Whether the faculty members organized or Attended	A. Or	The bifurcation is ganized						
	International/ National Conferences Workshops, if so, give details	Sl. No.	Name of the school	2006	<b>5-07</b>	2007	<b>'-08</b>	2008	3-09
				Nati onal	Inter natio nal	Nati onal	Inter natio nal	Nati onal	Inter natio nal
		1	School of Petroleum Management	-	1	-	-	-	-
		2	School of Petroleum Technology	-	-	-	-	-	-
		3	School of Solar Energy	-	-	-	-	-	-
		4	School of Liberal Studies	-	-	-	-	-	-
		5	School of Nuclear Engineering	-	-	-	-	-	-
			tended	•		ı		1	
		Sl. No.	Name of the school	2006	-07	2007	<b>'-08</b>	2008	3-09
				Nati onal	Inter natio nal	Nati onal	Inter natio nal	Nati onal	Inter natio nal
		1	School of Petroleum Management	-	2	1	1	2	-
		2	School of Petroleum Technology	-	-	5	1	22	2
		3	School of Solar Energy	-	-	-	-	-	-
		4	School of Liberal Studies	-	-	-	-	-	-

					,		_		_
		5	School of Nuclear Engineering	-	-	-	-	-	-
		Detailed data is enclosed at Annexure - XII							
33.	Linkages with other Institutions (National & International, give details).	The University is in the process of developing linkages with other national and international institutions. The exercise to establish close linkages with national and international institutions is at the stage of deliberations.							
		The National institutions include :							
		Indian Institute of Technology - Mumbai (IIT-B)							
		•	Institute of Reser	voir St	udies	(IRS)			
		•	Institute of Drilling Technology (IDT)						
		•	Indian Institute of	f Petro	leum (	(IIP)			
		Indian School of Mines University							
		Dhanbad (NSMU)							
		•	National Institute	of De	sign (1	NID)			
		•	National Institute	of Fas	shion 7	Гесһпо	ology (	NIFT)	)
		National Law University (NLU)							
		The International institutions include:							
		University of Tulsa, USA							
		•	University of Ok	lahoma	a, USA	<b>\</b>			
		•	University of Ho	uston,	USA				
		University of Florida, USA							
		Duke University, USA							
		•	Georgia Tech at	Atlanta	ı				
		At present, national level UG/PG level faculty members are coming as visiting faculty.							
		In order to establish international linkages, Dr. Mohan and Dr. Manoharlal, from the University of Tulsa, USA invited to visit PDPU in the first week of July an evaluated the course curriculum of the Petroleum Engir Programmes. From University of Houston, Dr. Fernandes, Director-Study Abroad and Dr. Ra Krishnamoorti-Chairman, Chemical & Petroleum Engir visited PDPU in June 2009 and September 2009 respect Faculty exchange, faculty training, summer training students, advanced courses for M.Tech students, sab assignments for faculty abroad and joint research are print the Phase-I. The activities are under process programmes would be finalized after further negotion which are scheduled in October / November 2009.		h, were d they neering Parul manan neering ctively. In for batical lanned s and					

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<ul><li>Faculty development allowance</li><li>Intranet facilities</li></ul>		
and non-		
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			tion according to following table to	whom the	
		University accommodation have been provided –  A. Teaching Staff staying in University accommodation			
		Sr. No.	Designation of Teaching Staff	Nos.	
		1	Director General	01	
		2	Director	03	
		3	Chair Professor	01	
			eaching Staff staying in University nodation		
		Sr. No.	<b>Designation of Non -Teaching Staff</b>	Nos.	
		1	Registrar	01	
37.	Facilities for students.	• Lib	rary & Resource Center		
			-Fi enabled Campus and classrooms wall system	ith Audio-	
			C. and Non A.C. Canteen with Ent	tartainmant	
		faci		.crtamment	
			orts room		
		_	mputer Labs		
		<ul> <li>Hostel with all the basic amenities in place</li> <li>internet bandwidth provided in each room</li> <li>Medical Treatment &amp; Emergency facility</li> <li>Wellness Centre with well equipped latest equipments</li> <li>Convenience Store</li> <li>Stationery &amp; Photocopying</li> <li>ATM VAN Facility at Campus</li> <li>Paid/Free Bus transport facilities.</li> </ul> The University is providing following sports facilities for			
38.	Sports and Games facilities with				
	details.		tdoor games like		
			ket Ball,		
			ot Ball		
			lley Ball		
			lminton, vn Tennis		
			cket, etc.		
			cket, etc.		
			rsity has also provided <b>indoor games</b> factors Boards	ilities like	
		- Car			
			ole-Tennis, etc. at the University a	nd Hostel	
			mises.	1105001	
39.	Hostel facilities available, if any.		has built furnished hostel blocks with o	capacity of	
		•	ts on twin occupancy basis for Under Gr		
		Post Gradu	ate students within PDPU campus.		
		At Present	473 Boys and 82 Girls students study	ying in the	
		various programmes of the University are residing in the			
			stel rooms on twin sharing basis with gi		
			separate hostel block. The University		
		providing l	nostel accommodation to the students of		
		programme	e as per their academic calendar.		

Other facilities available at the Library & Resource Center ❖ Wi-Fi enabled Air conditioned classrooms with Audio-Institute(s), give details. visual system, Canteen with Entertainment facility Sports room Computer Labs, Wi-Fi campus ❖ Wellness Centre with well equipped latest equipments Convenience Store Stationery & Photocopying ❖ ATM VAN Facility at Campus ❖ Paid/ Free bus service from main road to University ❖ Medi claim Insurance Coverage for students and their Parents ❖ Free Ambulance facility at Hostel premised from 7.00 pm to 7.00 am on daily basis. ❖ Medical Treatment & Emergency facility: Medical Center, with all the basic medical requirements, within the University Campus with the following Medical Team: Medical Practitioner (3 hours / Day) Psychiatrist (1.5 hours / Saturday) Gynecologist (1.5 hours / two days in a week) Food Court Petro Café Juice Center Stationery Shop Online library access Football Ground Cricket Ground **❖** Lawn Tennis Court ❖ Volleyball Court **❖** Table Tennis Chess ❖ Furnished hostel rooms with all the basic amenities in place: o Chairs o Study Table o Bed with Mattresses, Bed Sheet, Pillow, Blanket o LCD Television in each hostel block with Dish connection o Full Size mirror o Enough numbers of bathrooms and toilets

Newspaper delivery to hostel rooms

24\*7 Housekeeping service

hostel

o Laundry services

o Maintenance and Management authorities for

#### IV. Observations of the Committee.

- 1. The University has total five Schools and two Centres with sufficient accommodation.
- 2. The University is financially sound enough to meet the present requirement.
- 3. The University has very good infrastructure to accommodate the existing schools.
- 4. The construction activities in the campus are in progress in a big way.
- 5. The university has about 40 permanent faculty members and more than 60 are engaged as Adjunct Professor, Visiting Professor and Part-Time Teachers.
- 6. The model for the faculty has a portfolio of mix of competent, permanent and visiting faculty from academia and professionals from energy/industry sector.
- 7. The Board of Governors which consists of prominent intellectuals, bureaucrats, industrialists and academicians are continuously extending support and guidance to the University. They are playing active role in the development of University.
- 8. The University has good curriculum structure, contents, teaching and learning process, examination and evaluation system.
- 9. The University has well established eligibility criteria for admission to courses.
- 10. The University has representation of students from almost all states of the country.
- 11. University offers Bachelor in Liberal Studies in the School of Liberal Studies. This degree has not been included in the list of specified degrees of the UGC under Section 22 of the UGC Act.
- 12. University has provision of the scholarships on the basis of merit and merit-cummeans. The broad range of scholarships available to all students as per the University policy.
- 13. A strong emphasis is laid on giving academic freedom and system responds swiftly to facilitate research enabling investment such as specialized equipments are paid access to external laboratories for special experiments.
- 14. The Expert Committee found that the faculty members and students were extremely happy with the functioning of the university by the management.

## V. Suggestions of the Committee.

1. University should approach the UGC to include the Bachelor of Liberal Studies in the list of specified degree of the UGC. However, if it is not included in the list, the university may take necessary steps to change the nomenclature of the degree as per the UGC norms.

- 2. University should take necessary steps to recruit more faculty members. For this purpose, the University should develop a mechanism of rolling/web-based advertisement.
- 3. University should be asked to adopt the UGC (Minimum Standards and Procedures for Award of M.Phil./Ph.D. Degree), Regulations, 2009 dated 1<sup>st</sup> June 2009 as it shall apply to every University.
- 4. University should focus on consolidation of existing courses rather than introducing more new courses. However, University may think of introducing courses in the area of disaster management and environment management as this is the need of hour.
- 5. University should create residential facility for the faculty at the earliest.
- 6. Though the university has mechanism of framing the syllabi and bye-laws of examinations still there is a need to constitute Board of Studies for every School as per the established practice immediately.
- 7. The University should appoint the Controller of Examinations for effective functioning.
- 8. The university should make necessary efforts to establish a Central Library in addition to the existing School Library System.
- 9. The University should explore the possibility of entering MoUs with the corporate and institutions of the Gulf Countries for students and faculty exchange programmes.
- 10. The University should consider construction for an Foreign Students Hostel.
- 11. University may be asked to bring down the fees of the courses, if possible.
- 12. The university should make necessary efforts to extend testing and consultancy to both national and overseas organizations so that the university becomes self-sustained in terms of finances that may help the university to reduce the fee structure.
- 13. University should earmark sufficient funds to organize the seminars/workshops/symposia in each School.
- 14. University should establish Health Centre with full time medical officers.
- 15. University should appoint a Director (Physical Education) so that the sports activities will be geared up.
- 16. University should establish a Counselling Cell for the students.
- 17. University should create book bank facility for the SC/ST students.
- 18. Every student should be provided a Brochure containing all relevant information in respect of examinations and evaluation system well in advance.

#### **Specific Observations of the AICTE Nominee:**

- 1. The University has very good infrastructure and academic facilities to offer the courses.
- 2. The University has well qualified faculty. University has appointed Adjunct Professors and Visiting Professors. However there is a need to appoint more regular faculty rather than inviting visiting faculty to run the courses.
- 3. The University has good hostel facilities for the students admitted in various courses.
- 4. The faculty members of the University should conduct more research in the emerging areas.

#### VI. Recommendations of the Committee:

In view of the above facts and observations, discussion with students, teachers and members of management, the Expert Committee is of the opinion that the Pandit Deendayal Petroleum University (A Private University), Gandhinagar, Gujarat established by an Act of State Legislature, is a fit case for recognition by the UGC and unanimously recommends for the same. The Expert Committee is also of the view that the University may be asked to take suitable action on the suggestions made above by the Expert Members and submit the compliance to the UGC.

(Prof. L. Venugopal Reddy)	(Prof. R.P. Singh)
Chairman	Member

(Dr. D. R. Somashekar)	(Prof. G. H. Rao)
Member	Member

(Prof. K. G. Narayankhedkar)	(Prof. R. Sundaravadivelu)
Member	Member

(Prof. S. L. Bapat)	(Dr. Shakeel Ahmad)
Member & AICTE Nominee	Member-Secretary