



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		PANDIT DEENDAYAL PETROLEUM UNIVERSITY
Name of the head of the Institution		Dr. C. Gopalkrishnan
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		07923275007
Mobile no.		9426383008
Registered Email		registrar@pdpu.ac.in
Alternate Email		vikrant.vala@pdpu.ac.in
Address		Knowledge Corridor, Raisan
City/Town		Gandhinagar
State/UT		Gujarat
Pincode		382007
2. Institutional Status		

University	Private
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr Rajesh Patel and Dr D Sriram
Phone no/Alternate Phone no.	07923275494
Mobile no.	9687848535
Registered Email	rajesh.patel@sot.pdpu.ac.in
Alternate Email	sriram.d@sls.pdpu.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://pdpu.ac.in/downloads/AQAR-PDPU-2017-18.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://spt.pdpu.ac.in/downloads/Even%20Semester%202019-20.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.39	2016	16-Dec-2016	15-Dec-2021

6. Date of Establishment of IQAC	05-Sep-2012
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
To accept NMAT course in addition to CAT/XAT for future MBA Admissions, as	30-Oct-2018 1	120

NMAT also is a rigorous test to assess aptitudes for B-School aspirants.		
Courses of Financial Statement Analysis and Reporting, Corporate Restructuring and Business Valuation, Business Analytics, Business Consulting have been added in MBA program and also compulsory comprehensive Independent Study Project have been added in	30-Oct-2018 1	120
Implementation of the UGC regulation for promotion of Academic Integrity and Prevention of plagiarism. The supervisor have been directed to certify the absence of plagiarism for the students pursuing Ph. D. under their while submitting the thesis.	30-Oct-2018 1	198
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
N.A.	N.A.	N.A.	2019 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of	No

the funding agency to support its activities during the year?

12. Significant contributions made by IQAC during the current year(maximum five bullets)

[1] Preparation of Self Assessment Report for B. Tech. Mechanical Engineering Program for NBA Accreditation. [2] Research Week Celebration. [3] Implementation of TCSion for digital learning, exam and campus and HRMS solutions. [4] Scopus Subscription (Premium Full) at PDPU with Elsevier's abstract and citation database.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Implementation of TCSiON for digital learning, exam and campus and HRMS solutions	Streamlining of admissions, academics, learning management, exam administration, evaluations, result management, and student communications.
Preparation of Self Study Report (SAR) to submit to NBA for B. Tech. (Mechanical Engineering) Program	Prepared and submitted SAR to NBA as a part of accreditation process. Better understanding on Outcome Based Education and NBA Accreditation process.
Research week celebration where department / school wise PhD scholars will showcase and present their research.	More than 70 research scholars showcased and presented their research work. Interdisciplinary learning for research scholars and faculty members.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
IQAC Committee	28-Feb-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

27-Feb-2019

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Key issues related to Management System Development, Implementation and Continuous Improvement are discussed and appropriate decisions are taken at the meetings of the Statutory Bodies. The Board of Governors (BoG) and Finance Committee (FC) deliberated on the developmental strategies of the University and guide on all broad areas of development and internal quality enhancement. Research Advisory Board contributes with critical inputs and new ideas for research and development and incorporating cutting edge research in the framing and or updating of curricula. The Office of Planning and Development looks in to the emerging areas of knowledge and research and provides inputs for the development and implementation of new projects. BoG has constituted a Standing Committee to oversee, guide and support the university in policy implementation. To achieve the goals of providing excellent education and training, discussions are regularly held among Dean and Directors with the DG, to review on action taken and future planning. Guidance of the leadership helps in obtaining the resources and judiciously utilizing and using all resources at optimum level. The resources requirements are built in to the budgets and the same are proposed to the Finance Committee Meeting. Academic issues are taken up in the meetings of Academic Council. There are also support offices like Office of International Relations, Office of Research and Sponsored Projects, and Placement services.</p>

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	BTCL	Civil Engineering	05/06/2019
MBA	MBAEI	Energy & Infrastructure	01/07/2018

MBA	MBAGM	General Management	01/07/2018
BA	BA	International Relations	16/11/2018
BA	BA	Economics	23/02/2019
BA	BA	Mass Communication	19/03/2019
Mtech	MTCLIEM	Civil Engineering (Infrastructure Engineering and Management)	05/06/2019
BTech	BTEE	Electrical Engineering	05/06/2019
Mtech	MTEEPS	Electrical Engineering (Power System)	05/06/2019
BTech	BTPE	Petroleum Engineering	05/06/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
MBA	Energy Infrastructure	01/07/2018	Business Analytics (GM 609)	01/07/2018
MBA	General Management	01/07/2018	Business Analytics (GM 609)	01/07/2018
MBA	Energy & Infrastructure	01/07/2018	Entrepreneurship (GM 607)	01/07/2018
MBA	General Management	01/07/2018	Entrepreneurship (GM 607)	01/07/2018
BCom	Commerce	30/01/2019	17BC301 Entrepreneurial Development	30/01/2019
BCom	Commerce	30/01/2019	20BC202 Introduction to Entrepreneurship	30/01/2019
BTech	Mechanical Engineering	07/07/2018	18ME303T	01/05/2019
BTech	Mechanical Engineering	07/07/2018	18ME304P Kinematics and Dynamics of Machine Lab	01/05/2019
BTech	Mechanical Engineering	07/01/2019	18ME208P MMM and Metallurgy Lab	05/11/2019

Mtech	Mechanical Engineering	28/01/2019	18MD206T Theory of Elasticity and Plasticity	10/05/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MA	Mass Communication	01/05/2019
MA	Economics	01/05/2019
MBA	Business Analytics	01/07/2018
MBA	Financial Accounting for Managers	01/07/2018
MBA	Financial Statement Analysis and Reporting	01/07/2018
MBA	Corporate Restructuring and Business Valuation	01/07/2018
MBA	Business Consulting	01/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	Mechanical Engineering (Design)	09/07/2018
Mtech	Mechanical Engineering (Manufacturing Technology)	09/07/2018

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Principles and Practices of Management	21/11/2018	30
Introduction to Government	27/11/2018	50
Business, Society and Governance	02/07/2018	65
Business Communication I	02/07/2018	124
Business Communication II	02/07/2018	124
Strategic Marketing in Practice	02/07/2018	27
Fundamental of Finance	18/09/2018	30

Happiness	18/09/2018	30
Introduction to Python Programming	12/10/2018	50
Accounting for Managerial Decisions	26/10/2018	35
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	377
BTech	Electrical Engineering	349
BTech	Mechanical Engineering	367
MBA	Energy & Infrastructure	124
BA	Economics & Mass Communication	460
Mtech	Solar Energy	20
BTech	Petroleum Technology	554
Mtech	Petroleum Technology	18
Mtech	Mechanical Engineering (Design)	12
Mtech	Electrical Engineering (Power Systems)	24
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Feedback are analyzed from viewpoints of improving teaching learning process betterment of facilities and enhancing placement scenario, all this finally aids in developing the curriculum design of the University significantly. Feedback is also obtained from the industries and organizations coming forward for campus placement about students' competence and thereby of overall academics of the University. We always keep the window open in placing the academic feedback in the Board of Studies and at the meetings of HoDs, to address the concerns mentioned in it. The feedback on facilities are administered by the General Administration for remedial action on it.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Information & Communication Technology Engineering	120	289	122
BTech	Electrical Engineering	120	113	114
BTech	Computer Engineering	120	1577	134
BTech	Civil Engineering	120	150	114
BTech	Chemical Engineering	60	209	68
BTech	Mechanical Engineering	120	417	129
BTech	Petroleum Engineering	120	696	129
MBA	Energy and Infrastructure	60	174	59
MBA	General Management	60	174	65
Mtech	Petroleum Engineering	18	93	17

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	4652	535	25	42	205

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
219	219	Nil	48	48	Nil

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Counselling offers guidance and support to students at every stage of their college life and helps them to understand any problems or concerns that are affecting their academics and career. It also helps them in planning for short and long term goals and for job opportunities. For a group of 20 students, a counsellor is nominated from amongst the faculty for the counselling of the students to help student's matters in Academic Development, Career Development, and Personal/Social Development. The goal of counselling is to help individuals overcome their immediate problems and also to equip them to face future problems. Counselling, to be meaningful has to be specific for each student since it involves his unique problems and expectations. Individual/Group Counselling Sessions for variety of problems in sphere of academics, department facilities, university facilities etc. To identify the difficulties in the theory and laboratory courses offered. To identify the problem related to the industrial training and placement. To help the student work out a plan for solving their difficulties. To inspire successful endeavour toward attainment. To help student to choose right career path for job, higher studies, Entrepreneurship etc. The counsellor shall meet twice in a semester for the counselling sessions and records the counselling matter in prescribed format. A brief counselling report addressing major issues shall be submitted to the Head of the Department and/or the Director of the respective school.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5187	273	1:19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
67	53	14	53	50

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. Neeta Khurana	Associate Professor	Awarded Bharat Vikas Award for contribution in the field of Gender and Communication by Institute of Self Reliance, Bhubaneshwar
2018	Dr. Debasis Sarkar	Associate Professor	Best Paper Award presented by: World Academy of Science, Engineering Technology / 19th International Conference on Civil, and Architectural Engineering, Berlin, Germany, August, 2018 (International Award)
2019	Dr. Amit Sant	Assistant Professor	Top performing mentor for the online NPTEL course

2018	Dr. Kush Mehta	Assistant Professor	Award for Young Engineer event 2018 of Indian Institute of Welding from Indian Institute of Welding.
2018	Dr. Nirav Patel	Assistant Professor	Award for Young Engineer event 2018 of Indian Institute of Welding from Indian Institute of Welding.
2018	Dr. Anurag Mudgal	Associate Professor	Awarded as keynote speaker and conference chair for a session at International Conference on Recent Advances in Fluid and Thermal Science at BITS Dubai
2019	Vivek V. Patel	Assistant Professor	Post doc Researcher at Northwestern Polytechnical University, China during 2017-2019
2018	Dr. Vivek K. Patel	Assistant Professor	Outstanding reviewer for the "Energy" and "Energy Conversion and Management" journals of Elsevier
2018	Dr. Garlapati Nagababu	Assistant Professor	Received best paper award at 12th International Conference on Thermal Engineering: Theory and Applications (ICTEA), Gandhinagar, Gujarat.
2019	Tanushri Banerjee	Associate Professor	Venus International Women Awards - VIWA 2019 -DISTINGUISHED WOMAN IN MANAGEMENT (Major Area of Study - Decision Science)

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	BTCH	8	31/05/2019	12/06/2019
BTech	BTCL	8	31/05/2019	12/06/2019
BTech	BTCE	8	31/05/2019	12/06/2019
BTech	BTEE	8	31/05/2019	12/06/2019
BTech	BTICT	8	31/05/2019	12/06/2019
BTech	BTME	8	31/05/2019	12/06/2019
BTech	BTPE	8	31/05/2019	12/06/2019
Mtech	MTPE	8	31/05/2019	12/06/2019
Mtech	MTCLIEM	4	31/05/2019	12/06/2019
Mtech	MTMETE	4	31/05/2019	12/06/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
3	1733	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[https://www.pdpu.ac.in/downloads/2.6.1-%20Program%20outcomes,%20program%20%20specific%20outcomes%20and%20course%20outcomes%20\(2018-19\).pdf](https://www.pdpu.ac.in/downloads/2.6.1-%20Program%20outcomes,%20program%20%20specific%20outcomes%20and%20course%20outcomes%20(2018-19).pdf)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MTCH	Mtech	Chemical Engineering	4	3	75
BCOM	BCom	B.Com. (Hons.)	65	60	92.31
BTPE	BTech	Petroleum Engineering	145	133	91.72
BTME	BTech	Mechanical Engineering	139	134	96.40
BTEE	BTech	Electrical Engineering	130	121	93.08
BTCL	BTech	Civil	141	124	87.94

		Engineering			
BTCH	BTech	Chemical Engineering	69	64	92.75
BTIE	BTech	Industrial Engineering	65	63	96.92
BA	BA	B.A (Hons.)	100	97	97
BBA	BBA	B.B.A (Hons.)	77	76	98.70
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

[https://www.pdpu.ac.in/downloads/2.7.1%20-%20Students%20Satisfaction%20Survey%20\(2018-19\).pdf](https://www.pdpu.ac.in/downloads/2.7.1%20-%20Students%20Satisfaction%20Survey%20(2018-19).pdf)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. Swapnil Dharaskar	Visiting research scientist grant award	19/05/2019	Academy of Finland, Finland
International	Dr. B Rajashekhar Reddy	Postdoctoral Fellowship	11/02/2019	Purdue University, USA
International	Dr. Lubhani Mishra	Postdoctoral Fellowship	07/01/2019	Texas A M University, USA
National	Dr. Anantha Singh	Early Career Research Award	01/06/2019	SERB, GoI
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Junior Research Fellowship	730	DST-MES
Junior Research Fellowship	1095	DST-SERB
Junior Research Fellowship	1095	DST (SPHRD)
Graduate Research Fellowship	730	BRNS
Junior Research Fellowship	1095	SUZLON

Research Associate	730	Indian Council for Social Science Research
Junior Research Fellowship	330	SAC, ISRO
Research Associate	1095	DST-SERB
Senior Research Fellowship	1095	CSIR
Junior Research Fellowship	1095	DST-SERB
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
International Projects	365	Edith Cowan University	3.54	1.57
Industry sponsored Projects	1095	Ministry of Earth Sciences, Govt. of India	35.46	6
Industry sponsored Projects	120	GNRL Oil Gas Ltd.	10	7
Industry sponsored Projects	1140	CMPDI	197.1	150
Industry sponsored Projects	730	Gujarat Energy Development Agency (A Govt. of Guajarat Organization)	63	33.75
Industry sponsored Projects	1140	Indian Space Research Organization	13.79	4.48
Industry sponsored Projects	840	Indian Space Research Organization	20.51	5.02
Industry sponsored Projects	730	Space Application Centre	10.35	4.8
Industry sponsored Projects	390	Oil Industry Development Board	15	15
Industry sponsored Projects	1095	Space Application Centre	32	8
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Recent advances in Modern Manufacturing Processes 2019 (RAMMP 2019)	Mechanical Engineering	07/02/2019
12th International Conference on Thermal Engineering: Theory Applications	Mechanical Engineering	23/02/2019
Students Solar Ambassador Workshop 2019	Mechanical Engineering	10/02/2019
A one-day Thesis-Writing Workshop	Electrical Engineering	15/05/2019
A two-day workshop on Raspberry PI - Image Processing	Electrical Engineering	30/11/2018
A two-day workshop on Internet of Things (IoT)	Electrical Engineering	23/11/2018
Two-day IEEE-PDPU Student Chapter workshop on Data Analytics	Electrical Engineering	22/02/2019
Two-days' workshop on Electric Vehicle Technology: Powertrain Architecture Design, Components and its Applications	Electrical Engineering	22/11/2019
Five days STTP on "Advances in Emerging Power Systems Operations, Control and Protection"	Electrical Engineering	05/03/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Start-up of the Year with Prominent IP Culture 2018 by Intellectual Property Protection	Powertree	IPPO, Government of Gujarat, Bombay Stock Exchange	01/08/2018	Startup Competitions
Nominated by IC Department, Government of Gujarat under Coffee Table Book under Best Start-up Stories of	Powertree	IPPO, Government of Gujarat, Bombay Stock Exchange	01/09/2018	Startup Competitions

Gujarat 2018 during Vibrant Gujarat Start-up Summit 2018 (Launched by Hon. CM of Gujarat)				
Nominated by Education Department, Government of Gujarat under Coffee Table Book under Best Student Start-up Success Stories 2019 (Launched by Hon. HRD Minister of Government of India)	Powertree	IPPO, Government of Gujarat, Bombay Stock Exchange	01/01/2019	Startup Competitions
Top 10 Social Start-up of the BSE (Bombay Stock Exchange Impact 2019)	Powertree	IPPO, Government of Gujarat, Bombay Stock Exchange	01/05/2019	Startup Competitions
Awarded under Ideation stage startup and received grant of INR 10,000	Smart Scoot Lock	Government of Gujarat	01/09/2018	Grand Challenge
Featured in Coffee table Book of Vibrant Gujarat 2018	C tunes	Government of Gujarat	01/09/2018	Startup competitions
BEST PERFORMING SSIP GRANTEE UNIVERSITY IN PRIVATE UNIVERSITY category,	PDPU and IIC, PDPU	Education Department, Government of Gujarat.	11/06/2019	STUDENT INNOVATION, START-UPS AND ECOSYSTEM - 2019
Vibrant Gujarat Start up Summit 2018 Grand Challenge - Top 12 start ups	All that Dips	Government of Gujarat	13/10/2018	Vibrant Gujarat Start up Summit 2018 Grand Challenge
Awarded for best design and lightest solar Vehicle in SUVC 2018 Championship	Prayogik technologies	SUVC Championship	04/05/2019	Startup competitions

and 2019 1st Winner.				
Institute Research Award	Dr. B Rajashekhar Reddy	IIT, Madras	01/04/2019	Research
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
IIC, PDPU	Hiren Bavaliya Dipika Kolipatel	SSIP	Floating Concrete	Civil	01/05/2018
IIC, PDPU	Mehul Shukla	IC	ChargeIN	IT/IOT	01/10/2018
IIC, PDPU	Desai Arpan Nishant	None	Bench Match	IT/IOT	01/10/2018
IIC, PDPU	Gulamechish Munshi	SSIP	So Wind	Energy	01/10/2018
IIC, PDPU	Rahul Bakrania Swaroop Poonatar Dhwanit Pobaru Bhakti Somaiya	SSIP	Energy Efficient Pressure Cooker	Mechanical	01/05/2018
IIC, PDPU	Kaushal Patel	None	I-Cube Access	IT/IOT	01/06/2018
IIC, PDPU	Parth Patel	SSIP	TechPrint	EduTech	01/08/2018
IIC, PDPU	Sajith Sachin Samir Hiten	None	TechTards	IT/IOT	01/10/2018
IIC, PDPU	Kumash Shah, Nikhil Suthar	None	Profism	IT/IOT	01/10/2018
IIC, PDPU	Darpan antala Jaykumar ghelani Rishab banka Priyanshu aggarwal	SSIP	CVT Bicycle	Mechanical	01/05/2018
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
Petroleum Management	2
Chemical Engineering	1
Chemistry	3
Mathematics	1
Solar Energy	3
Petroleum Engineering	3
Liberal Studies	7

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Information and Communication Technology Engineering	5	1.28
National	Mechanical Engineering	5	1.5
International	Mechanical Engineering	40	2.7
International	Solar Energy	52	4.8
International	Civil Engineering	15	1.2
National	Civil Engineering	2	0
International	Mathematics	8	2.1
International	Computer Science and Engineering	5	1.28
International	Electrical Engineering	15	1.02
National	School of Liberal Studies	55	4.5

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Petroleum Management	14
Industrial Engineering	11
Nuclear Science Technology	8
Civil Engineering	40
Mathematics	10
Liberal Studies	36
Mechanical Engineering	31
Electrical Engineering	18

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Cover for Urinals	Published	306635	15/06/2018
Nozzle Cover for Petrol Tank	Published	306636	30/07/2018
Pollutant Controlling system for Vehicles	Filed	2018210221239	22/06/2018
Integration of Organic Rankine with Space Heating and Cooling plant	Filed	201821022582	08/03/2018
Stitched tea bag without stapling pin	Published	296901	16/04/2018
Footwear with Illumination Device	Published	295451	23/05/2018
Nanostructured Metal Oxide Particles and Process Thereof, Indian Patent F.N. TEMP/E-1/844/2019-M UM dated 08/01/2019. Inventors: Dr. R.K. Pati, Dr. Indrajit Mukhopadhyay, Dr. Abhijit Ray	Published	TEMP/E-1/844/20	08/01/2019
A process for developing Cu ₂ SnS ₃ , Indian Patent F.N. TEMP/E-1/543/2019-M UM dated 08/01/2019. Inventors: Mr. Biren Patel, Dr. R.K. Pati, Dr. Indrajit Mukhopadhyay, Dr. Abhijit Ray	Filed	TEMP/E-1/543/20	08/01/2019

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
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Shared in the attachment	Shared in the attachment	Shared in the attachment	2018	1	Shared in the attachment	1
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Shared in the attachment	Shared in the attachment	Shared in the attachment	2018	1	1	Shared in the attachment
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Presented papers	121	46	26	5
Attended/Seminars/Workshops	165	91	37	39
Resource persons	14	11	13	4
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Petroleum Technology	Proppant Crush Testing	Shraddha Associates Pvt. Ltd.	35400
Petroleum Technology	Testing Charges for XRD-Quantitative FESEM (SEMEDX)	Gumpro Drilling Fluids Pvt. Ltd.	16520
Liberal Studies	Early Impact Assessment of ONGC CSR Activity in Dahod District, Gujarat	ONGC	952000
Petroleum Technology	Intermediate Strength Proppant Testing	Shraddha Associates Pvt. Ltd.	8260
Mechanical Engineering	Wear Testing	Indus University	4956
Solar Energy	Solar PV Training Programme	Gujarat Matikam Kalakari	600000
Solar Energy	Commissioning, testing and Reporting of 200kWp	Knowledge Consortium of Gujarat, Ahmedabad	200000

	Solar photovoltaic rooftop System		
Civil Engineering	Material Testing	Ahmedabad East Infrastructure LLP	5192
Civil Engineering	Concrete Mix Design	Shivmani Infrastructure	18497
Petroleum Management	OVL Asset Investment Evaluation Project	NITI Aayog, Govt. of India	2600000
View File			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Solar Engergy	Solar PV Training Programme	Gujarat Matikam Kalakari	600000	18
Petroleum Managment	Executive Certificate Programme in Power Management	GETRI	2120000	25
Petroleum Technology	Corporate to Campus	Torrent	950000	15
Petroleum Technology	Corporate to Campus	Torrent	400000	44
View File				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Social Work in village	PDPU NSS Ambapur Village	2	55
Suajalam Sufalam Water Conservation Campaign	PDPU NSS Ambapur Village	2	55
Tree Plantation Drive	PDPU NSS SAIL	10	500
Blood Donation and Thalassemia Camp	PDPU NSS Rotaract Club	15	700
Essay writing on Disaster Management	PDPU NSS Government of Gujarat	3	100
Run for Unity	PDPU NSS	8	555
Oath Taking for	PDPU NSS	9	700

Electoral Awareness			
Yoga Session for Surrounding Village	PDPU NSS Raisan Village	14	700
Road Safety Awareness	PDPU NSS Rotaract Club	13	500
E-Waste Management Activity	Ministry of Electronics and Information Technology, Delhi	7	300
View File			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Rotaract Activities 2018-19	Outstanding Female Rotaractor	Rotary Club	1
Rotaract Activities 2018-19	Superstar Rotaractor of Zone 1 4	Rotary Club	1
View File			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
National University Film Making Competition	VGA PDPU The University Grants Commission of India (UGC India)	Film Making	1	35
National Unity Community Harmony - Essay Writing Competition	SAIL PDPU Knowledge Consortium Of Gujarat (KCG)	Essay Writing Competition Mock Parliament	4	15
Constitutional Day Celebration	SAIL PDPU Knowledge Consortium Of Gujarat (KCG)	Mock Parliament	2	38
Constitutional Day Celebration	SAIL PDPU Knowledge Consortium Of Gujarat (KCG)	Debate competition	2	14
Ekta Yatra	SAIL PDPU Knowledge Consortium Of Gujarat (KCG)	Run for Unity	2	250
National Unity Day	SAIL PDPU Knowledge	Sardar Patel National Unity	3	12

	Consortium Of Gujarat (KCG)	Debate		
National Unity Day	SAIL PDPU Knowledge Consortium Of Gujarat (KCG)	Oath taking ceremony	2	150
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research and Training at IPR, Gandhinagar	2	Self-Financed	365
BARC, Mumbai	4	Self-Financed	365
Faculty Exchange under IEP-18, Lamar University, USA	66	PDPU	30
Research Project	1	PDPU	30
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Collaboration for student development	Industrial visit	Kalpatru Power and Roletelesonic Gandhinagar	06/11/2018	06/11/2018	75
ISTE-GTU sponsored one week STTP on Multi-objective optimization : Theory and Applications	Invited Talk	Vishwakarma Government Engineering College, Chandkheda, Ahmadabad	12/02/2019	12/02/2019	60
Conducted a complete course on Systems Thinking at NIFT Gandhinagar for M.FTech student	Visiting Faculty	NIFT Gandhinagar	01/07/2019	31/12/2019	20
National level Annual	Jury Member	CHARUSAT University,	20/09/2018	21/09/2018	150

Technical Festival		Changa			
Workshop on Power Electronics and Control System	Expert lecture	GH. Patel College of Engineering and Technology, V. V. Nagar	04/10/2018	04/10/2018	60
Invited Lecture	Expert Talk	NPTI National workshop on "Optimum Utilisation of Power System Assets: Grid Security, Reliability and Distributed Monitoring Management" at HVPN Power Training Institute, HPTI Complex, Sec-26, Panchkula	27/03/2019	28/03/2019	30
System Wide Impacts of Renewable Energy Integration to Energy Network	Expert Talk	CHARUSAT University, Changa	30/03/2019	30/03/2019	45
Power System Modeling, Analysis and Control	Expert Talk	G H Patel College of Engineering and Technology, V V Nagar	14/12/2018	14/12/2018	35
Renewable Integration with Grid, Power Quality Scenario and Active Distribution Network	Expert Talk	C K Pithawala College of Engineering and Institution of Engineers, Surat	07/05/2019	07/05/2019	55
TEQIP Sponsored Futuristic Technologies	Expert Talk	BVM Engineering College, V V Nagar	08/06/2019	08/06/2019	25

in
Industries

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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
EBS University, Germany	14/11/2018	Joint Research activities, Study Abroad and Dual Degree Initiatives, Exchange of Faculty members for research, lectures and discussions, Study in India Short term program	3
Carleton University, Canada	21/05/2019	Joint Research activities, Study Abroad and Dual Degree Initiatives, Exchange of Faculty members for research, lectures and discussions, Study in India Short term program, Joint Program with IIC	Nil

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
923.66	950.76

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Existing
Campus Area	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh)	Newly Added

during the current year

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
TCSiON Library module	Fully	Latest	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19036	13364155	550	359400	19586	13723555
Reference Books	9125	106879912	266	1309608	9391	108189520
e-Books	48	422153	1	8845	49	430998
Journals	102	650795	Nil	Nil	102	650795
e-Journals	406	1729564	837	8996250	1243	10725814
Digital Database	1	141020	Nil	Nil	1	141020
CD & Video	2117	167171	329	52000	2446	219171
Weeding (hard & soft)	346	276800	112	89600	458	366400

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Jigarkumar H. Shah	Signals and Systems	Canvas	23/07/2018
Jigarkumar H. Shah	Digital Signal Processing	Canvas	07/01/2019
Mazad Zaveri	Embedded Systems	Google	07/01/2019
Mazad Zaveri	Computer Organization and Programming	Google	07/01/2019
Dr. Dishant Pandya	In-house Content Developing	Wacom and You Tube	28/01/2019
Prof Anirbid Sircar	Epathsala Paper-Sedimentary and Petroleum Geology-	MHRD E-Pathsala	01/06/2018

	Application of Radiogenic and Stable Isotopes in reconstruction of Paleoenviroments, SED PG VI		
Prof Anirbid Sircar	Epathsala Paper-Sedimentary and Petroleum Plate Tectonics and Global Distribution of Hydrocarbon Reserves, SED PG VI	MHRD E-Pathsala	01/06/2018
Prof Anirbid Sircar	Epathsala Paper-Classifications of Indian basins and petroleum geology of Assam, Cauvery and Bengal Basins, SED PG VI	MHRD E-Pathsala	01/06/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1247	7	325	0	3	4	1	102400	0
Added	32	0	50	0	1	0	0	0	0
Total	1279	7	375	0	4	4	1	102400	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

102400 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Media Lab	Null

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
2080.92	1779.95	1454.94	1235.2

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

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Pandit Deendayal Petroleum University's 100 acre campus is located in Gandhinagar, which is the capital city of Gujarat. The University addresses the need for trained and specialized human resource in the domains of engineering, management and humanities. It intends to expand the opportunities for students and professionals to develop an intellectual knowledge base with leadership skills to compete in the global arena. The campus is speeded over 98 acres of land, landscaping, well equipped state of art academic and research laboratories, fully air-conditioned classrooms, lecture theaters, auditorium of 470 capacity, cafeteria, sports ground, 24x7 medical facility, on campus state bank of India bank facility, stationary and reprographic faculty, CCTV surveillance, Boys and Girls hostels, fully automated virtually connected 03 libraries. The entire campus is Wi-Fi enabled with LAN connectivity. The classrooms are equipped with multimedia and audiovisual equipment to facilitate effective learning. Each classroom has Internet connectivity through wireless local area network. The University has ensured that the students enjoy a healthy food diet charted out by a dietitian which is wholesome and nutritious. The food court also provides refreshments throughout the day. The cafeteria is attractively laid out and offers students an eco-friendly environment to relax while deliberating on their academic challenges. Food franchise stalls are available on campus to serve hygienic and verity of food to the students. Performing Arts Room facility is available for the students. Students prepare and practice for their Dance, Music, Drama etc competition. To enable students to comprehend and use languages efficiently, PDPU has set up multi-media Language Laboratory (Language Lab) set in 2110 sq. feet spacious room, the Language Lab is fully furnished and air conditioned. The Language Lab at PDEU is a Computer based laboratory with flexibility to conduct laboratory sessions without computers also. The software used in the Language Lab is developed by Globarena Technologies Private Limited. The Software has default 200-hour self-learnable digital program. The University houses 24 x 7 Health Care Centre on campus that is open for all members on the working days. Keeping the academic, social psychological, and emotional needs of its students in mind, the University has a dedicated counselor. The counselor systematically studies and discusses a student's problems and facilitates the student to find an appropriate solution. A nutritious diet and a good workout helps students to combat academic stress. PDEU has set up a state of the art wellness centre which offers cardio weight training equipment and helps students workout under the expert supervision of a certified trainer. The university has world class sports facility which includes a volleyball court, a tennis court, a basketball court, a football and cricket ground, a table-tennis room etc. University has separate campus management department for maintaining the campus facility. Campus HAS 24 x 7 security services, CCTV surveillance system , Hostel access through Biometric system. The campus is well maintained by daily cleaning of campus facility by 130 housekeeping staff, Sewerage Treatment Plant: 02 Nos. (300 KLD each), Rain Water Harvesting:12 percolation wells (20 KL/Hr),

<https://pdpu.ac.in/infrastructure.html>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Merit Scholarship, Foreign Visit - Semester Programme, Merit cum means	300	41841000

Financial Support from Other Sources			
a) National	Student Travel Support	117	6926000
b) International	NA	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Profiling	01/04/2019	210	Synconic Solutions and Services Pvt. Ltd.
Assessment Tests	01/08/2018	680	Aspiring Minds Assessment Pvt. Ltd.
Placement Preparation Training	01/08/2018	902	Logic Academy Pvt. Ltd.
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Certificate in Governance and Leadership	41	41	10	2
2018	UGC Net Exam training	30	Nil	Nil	Nil
2019	SPSS Workshop	Nil	60	Nil	Nil
2018	How to build an Impressive CV	Nil	100	Nil	Nil
2019	How to use LinkedIn for Professional Networking and Career Guidance for Higher	Nil	45	Nil	Nil

	Education				
2018	CMIE Prowess IQ	Nil	24	Nil	Nil
2018	MS Excel	Nil	25	Nil	Nil
2018	Academic and Career O pportunities with Valparaiso University, Indiana, U.S.	Nil	15	Nil	Nil
2019	Preplacement Talk	Nil	450	Nil	Nil
Nil	GATE Coaching	Nil	257	Nil	Nil
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
3	3	10

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
A M Designs Pvt Ltd	15	3	Nil	Nil	Nil
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	161	UG Programs	All UG Programs	Abroad	PG Programs
2018	1	B. Tech.	Mechanical Engineering	University of Huston	Master of Science in Industrial Engineering
2018	1	B. Com (Hons.)	Social Sciences	Cape Breton University, Canada	Diploma in Supply Chain Management

2018	1	B. Com (Hons.)	Social Sciences	Confederation - International Education Centre, Canada	Master in Digital Marketing and Marketing Analytics
2018	1	B. Com (Hons.)	Social Sciences	Deakin University, Melbourne, Australia	Master of Information System
2018	1	B. Com (Hons.)	Social Sciences	Fleming College, Canada	PGDM-Global Business Management
2018	1	B. Com (Hons.)	Social Sciences	Glasgow Caledonian University, Scotland, UK	Master in International Business
2018	1	B. Com (Hons.)	Social Sciences	Gujarat University, India	M. Com.
2018	1	B. Com (Hons.)	Social Sciences	Heritage Management Institute, UK	Master in International Business
2018	1	B. Com (Hons.)	Social Sciences	ICFAI Business School, Pune	M. B. A.
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	181
TOFEL	171
GATE	41
Civil Services	2
NET	1
CAT	3
Any Other	15
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Freshers Sports Week	Institution	700
Ultimate Frisbee Intra	Institution	80
Football Intra	Institution	350
Carrom and Chess Intra	Institution	80

Basketball Intra	Institution	120
Kabaddi Intra	Institution	150
Badminton Intra	Institution	55
Table Tennis Intra	Institution	60
Volleyball Intra	Institution	150
Athletics intra	Institution	60
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	7 Medals	National	7	Nil	Nil	Nil
2019	4 Medals	National	4	Nil	Nil	Nil
2019	24 Medals	International	24	Nil	Nil	Nil
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

To augment the students' educational experience at PDPU the Office of Student Activities, Involvement Leadership (OSAIL) encourages bounteous and innumerable opportunities for students to explore and enhance creative and managerial skills. Under the mentorship of OSAIL, the students ideate and execute events, run their organizations as an autonomous body. They keep campus buzzing but the learning outside the classroom comes as an added advantage - team work, financial planning management, time management, marketing promotions, communication and negotiation skills....all these they learn with fun. Office of Student Activities, Involvement Leadership works to help students to explore, nurture and exhibit their passion and develop life leadership skills. Thus, in such short time span of the Universities existence, its students have organized number of events in fields of art, culture, language, media, sports, science technology etc. In the year 2018-19 there were total 70 student chapters and clubs, which conducted around 200 Intra-University, Inter University and National level events. The students' organizations in PDPU are broadly categorized as: Social Cultural, Science Technical and Sports. The activities at the OSAIL are largely driven by Student Clubs, Student Chapters of professional societies and each focusing on different aspects of art, culture, or science—as well as a theater, film archive, robotics, and photography. Many Clubs host exciting programs, lectures, classes and activities for students throughout the year. From theatrical plays and musical performances to robo-wars and guest speakers, students can find a breathtaking range of university-sponsored activities that will expand students' world view and enrich their life With support and mentoring of the office, students organizes various inter college and intra college sports, culture, technical and social events. FLARE Annual Cultural festival, Tesseract - Annual Technical festival and Petrocup - Annual Sports festival are gaining popularity among students of other reputed institutes and received good participation during inter college events.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

5990

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meet organised on 13th April, 2019 at PDPU Campus: 176 alumni, 40 faculty and staff and 35 current students gathered for the 2019 Alumni Meet.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

[1] Curriculum Design - 10 Percent Syllabus taught by Industry Experts: To bridge the gap between the industries and academic, University has introduced a policy where 10 of course content is taught by industry experts in every subject offered at University. Industry experts are invited to deliver lecture on some specific topic of each subject. The students get more specific knowledge on filed application of the subject as the industry experts share their experience on that particular topic. This is a unique way where the student can acquire the knowledge of various operations, products, safety and health, maintenance, latest technologies, future scopes etc. in various industries and sectors. [2] School wise Alumni Connect: Realizing that alumni of an institute are its best ambassadors and can play a crucial role for an accelerating growth, University has rolled out a well knitted plan for roping its alumni which is well placed and spread all over the world. The alumni are now engaged in conducting expert lectures, mentoring students for career planning, industrial training and internships, placement of the students etc. University has started organizing alumni meet across the world to connect university with its alumni.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	Bachelor of Technology: i) Government Seats (50): For the purpose of admission on Gujarat Seats, a candidate has to apply at ACPC as per ACPC norms. ii) All India Seats (35): Admissions are provided based on merit list of marks obtained in JEE (Main) 2021. iii) NRI seats (15) : Seats shall be filled as per merit. B.B.A./B.A., B.COM(HONS.), B.SC(HONS.): Admissions are given based on the merit list of

the entrance test conducted by the institutes. Management Programs: Admissions are given based on the merit list of CAT, NMAT.

Industry Interaction / Collaboration

The University has very strong hand-holding with industries in terms of collaborative research projects, guest lectures, recruitments, presence on Board of Studies, adjunct faculty members etc. Industrial orientation, industrial training and comprehensive project works are credited internships and project works where students work with industries. 10 percent of course content for every course is taught by the industry experts which provides ample opportunity for students to learn industry operations and practices. University organizes HR Conclaves where senior industry persons share their views on need of industries in terms of technological development, skill sets of graduates and future technologies. Guest lectures, workshops, seminars are routine practices at various departments of university where industry persons contribute and share their subject knowledge. Industry Interaction: MDPs and Conferences on Industry relevant themes are conducted to extend faculty expertise to industry and vice versa. The industry internships and training programmes are also arranged for students. Industry connect programs are also held every year. International Exposure Program: This is not just for cross culture understanding, but a well-structured academic program to undergo in an international level Institution abroad. IEP also helps understand the pattern of Higher Education abroad and foreign culture. This also facilitates students who are considering study abroad as upward mobility in Higher Education.

Human Resource Management

University has separate Human Resource (HR) Department to recruit faculty and staff to maintain the academic standard and fulfill the statutory norms. HR policy of the university tries to attract the best National and International faculty to the University. University is following MHRD guidelines for recruitment of faculty members. University has well defined service rules, promotion policy and career advancement policies. The

faculty members are provided with Cumulative Professional Development Allowances for their professional development through attending FDPs, attending the conferences, industrial trainings etc.

Library, ICT and Physical Infrastructure / Instrumentation

The campus is spread over 98 acres of land, landscaping, well equipped state of art academic and research laboratories, fully air-conditioned classrooms, lecture theaters, auditorium of 470 capacity, cafeteria, sports ground, 24x7 medical facility, on campus state bank of India bank facility, stationary and reprographic facility, CCTV surveillance, Boys and Girls hostels, fully automated virtually connected 03 libraries. The entire campus is Wi-Fi enabled with LAN connectivity. The classrooms are equipped with multimedia and audiovisual equipment to facilitate effective learning. The libraries of the University provide the ideal ambience for production dissemination of knowledge, information, insights intellect across Schools of the University. The Library holds a huge collection of printed as well electronic resources which include books, journals, databases, e-books, e-journals, CDs/DVDs, reports, case studies, conference proceedings, training manuals, etc. The university has world class sports facility which includes a volleyball court, a tennis court, a basketball court, a football and cricket ground, a table-tennis room etc. Usage of ICT tools (Google classroom, Canvas, Kahoot, Prezi) for teaching and evaluation. Subscription of Scopus database.

Research and Development

The University supports intensive research projects yet small enough that our scholars remain visible members of a community. The Office of Research and Sponsored Programs (ORSP) acts as a platform at the University for the Research Development activities. This office supports the researchers to critically evaluate a study's overall validity and reliability in terms of investigation, Research and Development. It encourages and promotes the students of PDPU and guides them the research methodology and supports them with internally funded grants. It

coordinates and harmonizes externally funded grants and suggests the research cum administrative information on grant compliance for the effective execution of research by faculties. University provide all the opportunity and encourage the faculty members to write research proposal to bring externally funded research grant and to bring consultancy project work. All the research outcomes are published in the high impact factor journal paper and in the form of patents. The subscription of Scopus database for university faculty members and research scholars to analyze and visualize the research domain of their interest. Research week celebration where department/school wise PhD scholars will showcase and present their research. Formation of a committee to monitor and listing quality of conferences where faculty participates/attends.

Examination and Evaluation

The Outcome Based Education system is followed across all schools of the university, where every course has Course Outcomes (COs) which are mapped with Program Outcomes (POs) and Program Specific Outcomes (PSOs). The COs attainment level of individual student and the whole class is calculated using various assessment tools. The Continuous assessment of the course is carried out through assignment, quiz, presentation, case study etc. and the mid and end semester examinations are conducted following academic calendar. The evaluation system is very transparent. Paper solutions are provided to the students, evaluated answer sheets are shown to the students before declaration of the result, laboratory reports are evaluated on the regular basis. I many courses open book examinations are also conducted.

Teaching and Learning

The teaching and learning at university happens preliminary through lectures, tutorials, laboratory, internships and project works. The Outcome Based Education system is followed across all schools of the university, where every course has Course Outcomes which are mapped with Program Outcomes and Program Specific Outcomes. The course handout is provided to the students in the beginning of the semester and

assessment tools are used to see the learning of the students and measuring the course outcomes. The pedagogy has three verticals, experiential learning students undergoes through internships, field trips, project work, case study based learning Participative learning where student participates in group discussion, presentations, debates, role play, works shops and seminars etc. All the faculty members are using ICT enable teaching through google class, flipped class, NPTEL (SWAYAM) courses, Audio and Videos etc. Introduction of Honour / Minor degree if a student completes an additional 20 credits through MOOCs or other, along with the Major Degree.

Curriculum Development

The curriculum development is a continuous process at our University. University has well defined structure and regulatory bodies for curriculum development. Curriculum design and up gradation is back bone for any academic institute and hence the frequency of Board of Studies (BoS) council meet is twice in a year now. The entire curriculum is designed based on Outcomes Based Education (OBE). After getting feedback from all the stake holders i.e. industries, academic experts, students, alumni etc., the recommendations are taken up in the department level meeting for integration in curriculum, approval in of Board of Studies (BoS) council meet and finally presented in Academic Council. Introduction of Capsule Courses for B. Tech. programs to enhance the skills and employability of the students.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Administration	(1) Online admission system (2) TCSiOn campus management system (3) Bio-metric attendance system
Finance and Accounts	(1) Employees Salary transfers directly to their bank account. (2) Online Pay slip generation (3) Data management by software. (4) e-Tendering for Procurement
Student Admission and Support	(1) Online Admission through No Paper Form (2) Email system for certificate request. (3) Circulars Notices have been informed through emails (4) Online

	fees payment (5) Student profile on TCSiON (6) TCSiON as LMS for teaching learning
Examination	(1) Online exam registration through TCSiON (2) Online Result declaration on TCSiON
Planning and Development	University has implemented Employees' Appraisal System through TCSiON online system, which covers the list of performance parameters employee wise, employee's description of the work done during the year, weightage for every performance parameter, evaluation points earned from Reporting/Reviewing Officers. The system also calculates finally the sum total of performance score secured by every employee. Based on final score, the Central Committee reviews it and decides on performance incentive to be awarded to the respective employee. (2) Employee Leave Management and Group Insurance are administered on TCSiON (4) Hostel admissions for students through TCSiON (5) In-house Online platform RIMS for faculty publication, research projects and extension activities management.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Prof. Pradeep Mallik	19th Annual Africa Conference, University of Texas at Austin, USA	University of Texas at Austin, USA	240000
2018	Dr. Prashant Panda	AMEPPA and American University, Cairo	AMEPPA and American University, Cairo	300000
2019	Dr. Rohit Srivastava	International Conference on Environmental Science and Development (ICESD)	International Conference on Environmental Science and Development (ICESD)	221470
2018	Prof. Ashvin Dave	124th ISERD International Conference on Accounting and	ISERD, Osaka, Japan	200000

		Finance held at Osaka, Japan		
2019	Dr. Urmi Satyan	19th Annual Africa Conference at the University of Texas, Austin, the USA. The title of the paper was The Interco ntinental Migration and the Diasporic Dilemmas: Reading MG Vassanji'sThe In-Between World of VikramLall.	19th Annual Africa Conference, University of Texas, Austin, Australia	198000
2018	Dr. S. K. Dash	International Conference on Greenhouse Gas Control Technologies, Melbourne, Australia	International Conference on Greenhouse Gas Control Technologies, Melbourne, Australia	194404
2019	Dr. Pavan Kumar G	International Conference on Key Engineering Materials	International Conference on Key Engineering Materials	190000
2019	Dr. Tejas Dave	"Consumer Acquaintance And Perception About Mobile Wallets In Indian Urban Consumer Markets", INTCESS 2019- 6th International Conference on Education and Social Sciences, Dubai - U.A.E	INTCESS 2019, Dubai	160000
2018	Dr. Chaitanya Vyas	Management and Business Academy International Business Conference, Brunel University, London	Brunel University, London	160000

2018	Dr. Anurag Srivastava	Promotion of Transparency in Public Service Delivery Through Aadhaar School of Global Affairs and Public Policy, American University, CAIRO - EGYPT	School of Global Affairs and Public Policy, American University, CAIRO - EGYPT	150000
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Faculty Development Program on Discover your True Self	N.A.	28/07/2018	29/07/2018	34	Nil
2018	Training Program on Microsoft Excel: Advanced Level	N.A.	04/08/2018	05/08/2018	32	Nil
2018	Faculty Development Program on Personal Effectiveness Leadership	N.A.	01/09/2018	03/09/2018	32	Nil
2018	N.A.	Training Program on 'Challenges of Safety Professionals'	05/09/2018	07/09/2018	Nil	5
2018	N.A.	Workshop on 'Work Smarter Together'	30/11/2018	01/12/2018	Nil	9

2018	N.A.	Staff Development Program on 'Developing as a Dynamic Professional'	28/12/2018	29/12/2018	Nil	27
2019	Intellectual Property Rights Workshop for Faculties	N.A.	14/02/2019	14/02/2019	49	Nil
2019	Programme on 'Managerial Leadership Change Management'	N.A.	12/03/2019	16/03/2019	3	Nil

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
UGC Orientation Program	1	01/07/2018	30/07/2018	30
Workshop on Intellectual Property Rights	3	14/02/2019	14/02/2019	1
Discover Your True Self	20	28/07/2018	29/07/2018	2
Statistical techniques for research methodology	1	23/10/2018	26/10/2018	4
Microsoft Excel 2013 - Advanced level	20	04/08/2018	05/08/2018	2
Problem solving using Design of Experiments	1	18/07/2018	21/07/2018	4
Microgrid and Renewable Energy Technologies	2	06/06/2019	11/06/2019	6

(MRET)				
Personal Effectiveness and Leadership	1	01/09/2018	03/09/2018	3
Discover Your True Self by Mr. Anand Bhatnagar, Asst. Vice President HR, Reliance Industries Ltd.	1	28/07/2018	29/07/2018	1
TEQIP III Sponsored Faculty Develop Program on Blockchain Technology, June 2019, SVNIT Surat	1	03/06/2018	07/06/2018	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
28	28	Nil	62

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
(1) Cumulative Development Allowance of rupees one Lac per year (2) Medical reimbursement up to rupees 30000 per year (3) Medical insurance for self and dependent (4) Child education allowance (5) Contributory provident fund (6) Leave encashment	(1) Cumulative Professional Development Allowances (2) Deputation for skill development programs (3) Medical reimbursement (4) Medical insurance for self and dependent	(1) Financial support to present paper in India and abroad (2) Financial support for visit of universities at abroad for short trip, training, project work etc. (3) Scholarships for Merit, Merit-cum-means, Girls and SC/ST students (4) Financial support upto 2.5 lakhs for Institute sponsored Research projects (5) On campus medical facility (6) On campus bank facility

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The University follows two fold financial audit i.e. Financial Internal Audit by Chartered Accountant Agency and Financial External Audit by Chartered Accountant Agency. The internal audit is conducted @ 100 vouching of Books of Accounts of the University and its constituent schools. External audit is conducted @ 100 as far as expenditure fee revenue is concerned. The University also mobilized revenue from Hostel Fee receipts and partial extension services

to the allied industries towards Testing Service, Consultancy Services, MDP/Workshop/Conference Services etc.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
N.A.	0	N.A.
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External BoS Members	Yes	Board of Studies
Administrative	Yes	Financial Audit	Yes	Univesity Office

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Not Applicable

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

(1) Parents are informed about the progress of their wards. (2) Organizing Open House for guardians to discuss the progress, grievances or issues of students. (3) The guardians are encouraged to understand the transparency of the system and involve themselves in tracking the academic performance of their wards.
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6.5.4 – Development programmes for support staff (at least three)

1) The support staff is encouraged to undertake various development courses from time to time to enhance their job competence. They are also provided facilities to undertake the courses found fit to cope up with the duties they are performing at the institute/ department to update their information and skill level regularly with all this, they get more work exposure related training/demands or with the development in university/faculty facilities e.g. accounts, online admission, information systems, etc. 2) Administrative Staff participates on regular basis for computer skills enhancement 3) Training for online admission and examination processes was conducted. 4) Training for generating online students records for admission and evaluation purpose

6.5.5 – Post Accreditation initiative(s) (mention at least three)

[1] NBA Accreditation of various programs at university is initiated. NBA Accreditation of B. Tech. Mechanical Engineering program for three years under Tier-I category. Other programs are scheduled for NBA Accreditation. [2] Implementation of TCSion for digital learning, exam and campus and HRMS solutions. [3] Financial support to the students for research projects which includes financial support up to 2.5 lakh rupees per student for a research project undertaken by him/her, other than the project as a part of curriculum and travel grant to the students for presenting papers in India and abroad.
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6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Implementation of the UGC regulation for promotion of Academic Integrity and Prevention of plagiarism. The supervisor have been directed to certify the absence of plagiarism for the students pursuing Ph. D. under their while submitting the thesis.	30/10/2018	30/10/2018	28/06/2019	198
2018	Courses of Financial Statement Analysis and Reporting, Corporate Restructuring and Business Valuation, Business Analytics, Business Consulting have been added in MBA program and also compulsory comprehensive Independent	30/10/2018	30/10/2018	30/10/2018	120

	Study Project have been added				
2018	To accept NMAT course in addition to CAT/XAT for future MBA Admissions, as NMAT also is a rigorous test to assess aptitudes for B-School aspirants.	30/10/2018	30/10/2018	30/10/2018	120
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Legal Provisions for Women's Empowerment One day seminar on "Legal Provisions for Women's Empowerment" on October 10, 2018 at PDPU	10/10/2018	10/10/2018	87	13
Internal Complaint Committee Training	27/12/2018	27/12/2018	26	4
Awareness Session on International Women's Day To mobilizing the power of Women is possible only by the collective efforts of all.	08/03/2019	08/03/2019	60	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: • 1.0 MW (One mega watt) solar power station to demonstrate green and clean energy and to lower the energy dependence. • Sewerage Treatment Plant: 02 Nos. (300 KLD each) • Rain Water Harvesting:12 percolation wells (20 KL/Hr each) • Solar Research Development Centre • Centre of Excellence for Biofuel and Bioenergy Studies • Centre of Excellence for Geothermal Energy • Glass windows and partitions for effective light and reducing electricity consumption. • Paperless environment with extensive use of E-communication. • Solar street lights across the campus. • 0.76 percent of total energy consumption at campus is produced from renewable energy sources (around 30000 units)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Provision for lift	Yes	11
Ramp/Rails	Yes	11
Rest Rooms	Yes	11
Scribes for examination	Yes	11
Special skill development for differently abled students	Yes	11

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	03/12/2018	180	Social Internships	Public Health, Sanitation, Child Education Adult Education	1341
2018	1	1	06/09/2018	1	Blood Donation Camp	Blood Donation Drive	271
2018	1	2	25/10/2018	1	PDPU HAAT	Traditional Flea Market to promote local art and craft	200
2018	7	7	14/05/2019	20	Community Development	Vacation workshops	450

					nt Initiative	for children from nearby villages - Skill Development	
2018	1	1	06/09/2019	1	Blood Donation on Thalassemia	The satisfaction of giving life to other people	110
2018	1	1	31/10/2018	1	Run for unity	Importance of unity on Sardar Patel's birthday	290
2018	1	1	18/11/2018	1	Tess Run	Awareness about depleting natural resources	256
2019	1	1	26/01/2019	1	Yoga Activity	Importance of staying active and fit in daily life.	225
2019	1	1	15/03/2019	1	Clean Campus	Cleanliness and Swatchh Bharat Abhiyaan awareness	221
2019	1	1	22/02/2019	1	E-Waste Management workshop	Awareness about harms of E-waste and importance of its disposal	187

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Academic conduct discipline (for students)	02/07/2018	Academic conduct discipline (for students)

was published in year 2007. The disciplinary committee takes care of the cases of students violating the values and ethics as mentioned in the rules.

Professional code of conduct (for employees)

02/07/2018

Professional code of conduct (for employees) was published in year 2016. The HoD, School Director and the Head of Institution ensures the observance of professional code of conduct from the employees. The University follows student satisfaction serve for faculty.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
List Enclosed	Nil	Nil	577

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Sewerage Treatment Plant: 02 Nos. (300 KLD each) 2) 1.0 MW (One mega watt) solar power generation plant. 3) Rain Water Harvesting:12 percolation wells (20 KL/Hr each) 4) 1500 Trees on campus 5) Students are encouraged for use of bicycles to commute to nearby locations. University had bought bicycles and offers it on rental basis to the students. 6) Minimum use, maximum reuse and safe disposal of plastic waste. 7) Usage of extensive Glass work for effective light and reducing electricity consumption. 8) Extensive use of E-communication reduces paper consumption. 9) Solar street lights across the campus. 10) Academic sessions run continuously in winter session for it requires less electrical energy, and in summer as it involves more use of fans and A.C.s most of the annual vacation days are accommodated in summer. 11) Bath water heating through solar power for hostel students.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

[1] For Faculty : 1) Cumulative Professional Development allowance - 3 lakhs for a quarter of 3 years 2) Ph.D. deputation for Lecturers up to 3 yrs with full salary [2] Financial Support to Students for: 1) International Paper Presentations 2) International Exposure Program 3) Research Projects [3] Students' counselling centre for their psychological well-being. [4] 10 percent supernumerary seats reserved for girls in B. Tech. Engineering programs. 50 seats reserved for girls in Liberal Studies programs. [5] Financial assistance to weaker section students from differential income of NRI students' fees. [6] Innovation and Incubation Centre to promote startups and entrepreneurship [7] Green initiatives [8] Rural, Urban Renewal, Civic Social Services Internships

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The vision of the university is to be an efficient and competent source of technical manpower for the current and future industrial requirements. To that end our mission is three-fold Undertaking education in energy engineering and management, nurture students of extraordinary motivation for lifelong learning, and establishing an institution of excellence in Energy Education and competitive edge in research. We focus primarily on grooming the students and enhancing their academic and inter personal skill sets and finally making them a wise human being and global citizens. STUDENT CENTRIC LEARNING: a. Design thinking: Students are assigned to design a project and its plan of work so that they can focus on developing creativity and build up confidence through hands-on projects. b. Group study: Group of students are assigned specific topics related assignment. These groups study the topics in detail through library books, internet, and journals. These topics are discussed by individual groups in the class and the teacher further guides them for improvement. c. Student-directed learning: Students are given exercises to solve on the basis of Theoretical knowledge and understanding in the classrooms and laboratories. d. Learning in practice: Real life examples related to application, analysis, synthesis and evaluation/ creation are given to the students to imbibe the learning into them. e. Soft skill personality development: Students are encouraged to deliver presentations in which help them to develop for data collection, and presentation skills before the group of students and faculty. It empower students with confidence, to express and to work together. f. Capsule courses to enhance competency and employability quotient of students. INTERNSHIPS: Rural Internship: This internship is intended to understand the socio-economic fabric of rural community in India, its grass root realities, problems and solutions. In Rural internship students works with NGOs for the welfare of the community. Urban Internship: Urban Renewal Mission Internship where students work with Municipal Corporation for one month for tasks related to urban development. This experience provides them perspectives on city administration and inculcates leadership. Industrial Training: B. Tech. students are going for 4 to 10 weeks of industrial training after completing third year. The objectives of industrial training is to provide exposure on the processes, products, and technologies deployed at industries Safety and health norms organization structure of industry marketing strategies etc. International Exposure Program: This is not just for cross cultural understanding, but a well-structured academic programme to undergo in an international level institution abroad. Students are encouraged to avail IEP with countries like Canada, US and Australia. This also facilitates students who are interested for study abroad as upward mobility in Higher Education. More than 650 students have gone for International Exposure programs. Student Chapters and Professional Bodies Memberships: The university has 69 professional bodies memberships and 23 students clubs. The major objectives of students chapters and clubs are to deliver a wide array of programs and services to enhance the overall learning experience of our students, both inside and outside of the classroom.

Provide the weblink of the institution

https://www.pdpu.ac.in/downloads/7.3.1_Institutional%20Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

ACADEMIC ACTIVITIES PROMOTION OF RESEARCH: 1) Revision of curriculum as per Industry 4.0 requirement 2) Enhancement of Ph. D. enrolment without losing the

standards. 3) Starting new programs at UG and PG levels 4) Submission of proposals for Externally funded major and minor research projects. 5) Increasing number of publications in SCOPUS Indexed journals. 6) Expedite design and process/product patents

SYSTEMIC DEVELOPMENT: 1) Infrastructural Development for Academics Research 2) To increase the utility of existing infrastructure. 3) To strengthen Alumni interaction and get actively associated with alumni.

ACCREDITATION: Our institution will prepare itself to appear for the NAAC accreditation, first cycle by 2016. To this end all the academic course revisions will be done, research publications and project funding will be accessed and monitored to give the thrust needed for the exercise. PDPU will also apply for NBA Accreditation of B. Tech. Engineering programs.