



Yearly Status Report - 2017-2018

Part A

Data of the Institution

1. Name of the Institution	UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Name of the head of the Institution	Dr. Deepender Kumar Jha
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01352770137
Mobile no.	8860463338
Registered Email	vc@upes.ac.in
Alternate Email	registrar@upes.ac.in
Address	Energy Acres, Bidholi(PO), Via Prem Nagar,
City/Town	Dehradun
State/UT	Uttarakhand
Pincode	248007

2. Institutional Status	
University	Private
Type of Institution	Co-education
Location	Semi-urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. V J Byra Reddy
Phone no/Alternate Phone no.	01352770137
Mobile no.	7665494955
Registered Email	iqac@upes.ac.in
Alternate Email	registrar@upes.ac.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://www.upes.ac.in/media/3299/aqar-2016-17.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.upes.ac.in/media/3291/academic-calendar-2017-18-ver2.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.79	2013	26-Oct-2013	25-Oct-2018

6. Date of Establishment of IQAC	01-Jul-2009
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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

Faculty members and students to increase usage of Blackboard(LMS)	10-Oct-2017 12	5500
Organised several faculty development program (FDP) Centre for Advanced Faculty Enrichment (CAFE)	02-Apr-2018 12	250
Implemented Outcome Based Education across University in all programs	10-Jan-2018 12	10500
Institutionalize Multi-Disciplinary Projects under the umbrella of Research & Innovation in Science & Engineering Scheme for students	18-Feb-2018 12	53
Strengthening of Existing Mentor Mentee System	12-Oct-2017 12	11800
Strengthening learning experience of students through online/blended learning	28-Jun-2018 12	11800
Increase number of e Database/e Journals subscription	12-Sep-2017 12	12200
Blooms Taxonomy for Question paper setting to be practiced	28-Jun-2018 12	11800
Framework for creating vision statement and Strategic Plan	06-Dec-2017 6	12300
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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
UPES	Research	DSIR	2017 4	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

No

Upload latest notification of formation of IQAC

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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 the funding agency to support its activities during the year?	No																
12. Significant contributions made by IQAC during the current year(maximum five bullets)																	
<p>1. Institutionalized MultiDisciplinary Projects across all Schools. 2. Implemented Outcome Based Education across University in all programs. 3. Recommended and implemented new reforms in the Ph.D. process as per UGC guidelines. 4. Conducted workshops on Outcomebased Education, Swayam - MOOC platform/courses, IACBE processes, and Mentoring the Mentors. 5. Organised faculty development program (FDP) Centre for Advanced Faculty Enrichment (CAFE)</p>																	
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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																	
<table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achivements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>Increase number of e Database/e Journals subscription</td> <td>Seventy percent increase in the database amounting to one crore in Academic Year</td> </tr> <tr> <td>To establish Student helpdesk for supporting students</td> <td>Implemented & Functional</td> </tr> <tr> <td>Strengthening learning experience of students through online/blended learning</td> <td>All faculty members and students are using Blackboard(online learning Management System) tool.</td> </tr> <tr> <td>Strengthening of Existing Mentor Mentee System</td> <td>Restructuring of the Log Books, Audits at Management Level</td> </tr> <tr> <td>Implement Outcome based Education in all programmes across the University.</td> <td>Phase one of the project executed across schools. Initiated preparedness for NBA Accreditation for School of Engineering.</td> </tr> <tr> <td>Institutionalize Multi-Disciplinary Projects under the umbrella of Research & Innovation in Science & Engineering Scheme for students</td> <td>National Level Evaluation for the projects began in Academic Year</td> </tr> <tr> <td colspan="2" style="text-align: center;">No Files Uploaded !!!</td> </tr> </tbody> </table>		Plan of Action	Achivements/Outcomes	Increase number of e Database/e Journals subscription	Seventy percent increase in the database amounting to one crore in Academic Year	To establish Student helpdesk for supporting students	Implemented & Functional	Strengthening learning experience of students through online/blended learning	All faculty members and students are using Blackboard(online learning Management System) tool.	Strengthening of Existing Mentor Mentee System	Restructuring of the Log Books, Audits at Management Level	Implement Outcome based Education in all programmes across the University.	Phase one of the project executed across schools. Initiated preparedness for NBA Accreditation for School of Engineering.	Institutionalize Multi-Disciplinary Projects under the umbrella of Research & Innovation in Science & Engineering Scheme for students	National Level Evaluation for the projects began in Academic Year	No Files Uploaded !!!	
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14. Whether AQAR was placed before statutory body ?	Yes																

Name of Statutory Body	Meeting Date
BoM	22-Oct-2018
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	2018
Date of Submission	15-Mar-2018
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>Majorly all the processes in UPES has implemented Management Information System since 2007. The entire functioning of UPES including Finance, Student Registration, Examinations, Counselling Services, Feedback system are running on different modules of SAP. SAP modules for Finance (FI/CO FI/CA), Student Information System (SLCM), Materials management and Human Capital Management have been implemented since 2007. Over the years numerous functional enhancements have been done in the area of process automation in SAP. A brief about some significant enhancements are given below: Student Portal: A unified portal for all essential services for the students like Grade cards, Fee payments, Hostel requisition forms, mandatory documents, academic notifications etc. The student can login to the portal from anywhere to avail these services which are available 24X7. This ensures that they do not have to que up for standard services delivered through the portal. Finance Modules Automation: The Fee payment process is automated and integrated with the payment gateway. The automation generates payment journals based on the payment confirmation from the payment gateway. This not only optimizes the process eliminating manual data entry, but also ensures data integrity. • All vendor</p>

payments are done through RTGS. This makes us one of the very few universities who are making 100 payments through digital mode. The Application refund is also online with the provision for refund request submission available on the website. • Student registration Re Registration - The integration of the online counselling application with SAP ensures automated student registrations in SAP. The reregistration process for every semester is automated and integrated with the payment gateway enabling students to complete the process online. MIS in the area of Academic Non Academic Administration • Attendance Time Table Management System: University has deployed an RFID based attendance recording system which is integrated with the timetable management system which provides detailed MIS for time table management. • Enrollment Admissions process is fully automated and transparent from the Application stage to the allotment of seats. The application can be submitted online at the website with payment gateway integration for the application fee. The result processing is done online, and the results are published on the website. • The counselling process is run on an automated application which works on ranks ensuring fair allocation of seats. • Feedback System: The MIS for the Feedback is made available to the Faculty, HOD and deans based on a controlled workflow.

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
Mtech	SEE2P	Structural Engineering with spln in offshore	20/05/2017
Mtech	PEE2P	Petroleum Engineering	20/05/2017
Mtech	ROE2P	Automation & Robotics Engineering	20/05/2017

Mtech	PLE2P	Pipeline Engineering	20/05/2017
Mtech	PDE2P	Chemical Engineering with specialization in Process Design Engineering	20/05/2017
MBA	AVB2P	Aviation Management	20/05/2017
MBA	IFB2P	Urban Infrastructure Development/Infrastructure management	20/05/2017
PhD or DPhil	ECB3D	Economics	20/05/2017
PhD or DPhil	MGB3D	Management	20/05/2017
PhD or DPhil	TMB3D	Transportation Management	20/05/2017
PhD or DPhil	EMB3D	Energy Management	20/05/2017
BTech	EEE4U	Electronics Engineering	20/05/2017
BTech	MHE4U	Mechanical Engineering with Machine Design/Thermal Engineering/Production Engineering/MSNT	20/05/2017
LLB	ELL5U	B.A Hons with spln in Energy Law/labour law/criminal law/Constitutional law	20/05/2017
LLB	TXL5U	B.Com with Taxation Law	20/05/2017
LLB	CYL6U	B.Tech CSE with LLB in Cyber Law	20/05/2017
LLB	CLL5U	BBA with Corporate Law/ International Trade and Investment Law/ Banking Insurance and Finance	20/05/2017
LLB	EIL6U	B.Tech Energy Trading with LLB in IPR	20/05/2017
Mtech	CDE2P	Computation Fluid Dynamics	20/05/2017
Mtech	UVE2P	Aerospace Engineering with specialization in UAV	20/05/2017

Mtech	CSC2P	Computer Science & Engineering	20/05/2017
Mtech	REE2P	Renewable Energy Engineering	20/05/2017
BTech	EBE4U	Electronics Engg with Spln in Broadband Communication TEchnology	20/05/2018
BTech	EIE4U	Electronics Engg with spln in IOT based instrumentation	20/05/2018
BPlan	BPP4U	Bachelor of Planning	20/05/2018
MPlan	MPP2P	Master of Planning	20/05/2018
BTech	HIC4U	CSE with specialization in Healthcare Informatics	20/05/2018
BTech	TIC4U	CSE with specialization in Telecom Informatics	20/05/2018
BTech	MIC4U	CSE with specialization in Manufacturing Informatics	20/05/2018
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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
BDes	All Programs	01/08/2017	84	01/08/2017
BPlan	BPlan	01/08/2017	43	01/08/2017
BTech	All Programs	25/07/2017	2322	25/07/2017
BA	All Programs	01/08/2017	66	01/08/2017
BBA	All Programs	18/07/2017	563	18/07/2017
BCA	Bachelor of Computer Applications	01/08/2017	28	01/08/2017
BFA	Digital Arts	01/08/2017	28	01/08/2017
LLB	All Programs	20/07/2017	265	20/07/2017
LLM	All Programs	01/08/2017	19	01/08/2017
MDes	All Programs	01/08/2017	50	01/08/2017
MPlan	MPlan	01/08/2017	46	01/08/2017
Mtech	All Programs	04/07/2017	346	04/07/2017
MA	Energy	01/08/2017	29	01/08/2017

	Economics			
MBA	All Programs	23/06/2017	434	23/06/2017
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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
BCA	Bachelor of Computer Applications	31/07/2017
BTech	CSE with specialization in Big Data	28/07/2017
BTech	CSE with specialization in Dev Ops	28/07/2017
BBA	Accounting and Information System	18/07/2017
BA	Economics with specialization in Energy Economics	01/08/2017
MDes	Interaction Design	01/08/2017
LLM	International Trade law/Corporate & commercial law/Technology law	01/08/2018
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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
BBA	All Programs	18/07/2017
MBA	All Programs	23/06/2017
LLB	All Programs	20/07/2017
BCA	Bachelor of Computer Application	01/08/2017
MA	Energy Economics	01/08/2017
PhD or DPhil	All Programs	20/05/2017
BA	All Programs	01/08/2017
LLM	All Programs	01/08/2017
BTech	All Programs	25/07/2017

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
132	04/07/2017	10415
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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
BDes	BDes	26
BPlan	BPlan	6
BTech	All Programs	3417
BA	Public Policy	39
BBA	All Programs	656
BFA	All Programs	13
LLB	All Programs	1383
Mtech	All Programs	182
MA	Energy Economics	26
MBA	All Programs	809
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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>Program Evaluation Feedback on curriculum are collected from the stakeholders in the prescribed formats and are analyzed both qualitatively and quantitatively. Students: Feedback from students is taken both formally and informally. An informal feedback happens at the level of faculty, Course Coordinator (CC) and Head of Department (HOD) during any time of the academic session. A structured formal feedback takes place through the student feedback once during the midsemester and one towards the end. This feedback is obtained through the portal where student have to fill a structured feedback form. The Dean meets a crosssection of the students to get the feedback during midterm review. Student give feedback through their representation, which is taken up in Department Consultative Committee (DCC), Board of Studies (BOS) and Internal Quality Assurance Cell (IQAC). If the rating of the students is less than '3' in 5 point scale for any faculty members in delivery of the course, then that faculty concerned will be facilitated to attend faculty enrichment program which focus on communication skill, presentation and on course content. Parents: The mechanism of feedback from parents is mostly informal. The feedback is taken in various contact moments like convocation - dinner, parent's walkins and communication through CCs. Faculty: Faculty feedback is taken not only for academic purposes but also in understanding the environment and various intervention processes adopted time to time. A school wise feedback processes ensured that we became the Great place to work with organization last year. Faculty feedback is sought through HR post all training programs and during their appraisal process. Alumni: Alumni Inputs are taken during the alumni meets, BOS, IQAC and they are focused in various University functional bodies. Employers: BOS, interaction with HR personal. Visiting companies give</p>

specific feedback to the School's placement office. Qualitative inputs are summarized and placed before the Department Consultative Committee along with the proposed changes in the curricula and the proposed actions to be taken for the academic development of the department. Necessary steps are taken if the average of the program rating on various parameters listed in the format is less than 3 in 5 point scale. Feedback on course content and course delivery are collected at the end of the semester.

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
BA LLB	Energy Laws/ Criminal Law / Labor Law / Constitution Law	240	1464	246
LLB	BBA(LLB) in Corporate Laws/ International Trade & Investment / Banking, Insurance & Finance	180	1409	177
BCom	LLB (H) Taxation Laws/ Media & Entertainment Law	120	156	111
MA	Economics (Energy Economics)	20	50	13
LLM	Energy Law / Business Law / International Economic Law / Law & Technology	25	137	23
BTech	All Specializations	2075	23546	1818
Mtech	Aerospace Engineering with specialization in Unmanned Aerial Vehicle	10	30	4
Mtech	Computational Fluid Dynamics	10	11	7
Mtech	Energy Systems	10	35	8
Mtech	Health, Safety	60	146	53

	& Environmental Engineering			
Mtech	Health, Safety & Environmental Engineering with specialization in Disaster Management	25	51	22
Mtech	Nuclear Science & Technology	10	15	2
Mtech	Structural Engineering with specialization in offshore structures	10	49	9
Mtech	Petroleum Engineering	20	100	21
Mtech	Pipeline Engineering	10	28	8
Mtech	Chemical Engineering with specialization in Process Design Engineering	10	62	7
Mtech	Renewable Energy Engineering	15	66	11
Mtech	Automation & Robotics Engineering	10	46	8
Mtech	Rotating Equipment	10	13	4
Mtech	Computer Science and Engineering	10	51	5
BDes	All Specializations	140	688	135
MDes	All Specializations	30	151	19
BPlan	Bachelor of Planning	30	142	12
MPlan	Master of Planning	15	39	9
BBA	All Specializations	490	2019	432
MBA	All Specializations	530	1093	423

BA	Public Policy & Administration	40	158	33
BA	Energy Economics	30	97	21
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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
2017	10567	1251	0	0	522

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
522	522	13	196	196	13

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

As a policy, each student will be assigned a Faculty mentor upon his/her joining to UPES. The faculty mentor shall have an advisory role and assist the student in the pursuit of his/her academic career at UPES. Faculty mentor will guide the student throughout his/her tenure at UPES. Students are expected to consult their faculty mentors on any matter relating to their academic performance and the courses they may take in various semesters/summer terms. The faculty mentor is assigned to extend guidance to the students enabling them to complete their courses of study for the required degree in a smooth and timely manner. Thus, the role of a faculty mentor is of immense importance. The faculty mentor is the person to whom the parents/guardians should contact for performance related issues of their wards. A faculty mentor is expected to:

1. Guide a student on rules and regulations of the academic programme
2. Pay special attention to the academically weaker students
3. Guide and liaise with the parents of students
4. Monitor and analyse performance of the students on regular basis
5. Encourage students to satisfy the mandatory attendance requirement
6. Analyse and try to solve personal problems of the students
7. Record all the activities in the mentor diary in the prescribed format

Each student shall register for a set of courses as advised by his/her faculty mentor at the commencement of every semester. Students with backlog should continuously seek help from their faculty mentors. The University shall also communicate to the parents/ guardians regarding performance of their ward by scanning copy of grade card at the end of each semester.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
12129	522	1 : 23

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
530	509	21	116	292

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
2017	Narendra Nath Dalei	Assistant Professor	Recognised Reviewer Award 2017 by Energy Policy, Elsevier
2017	Uday Bhan	Assistant Professor	Appreciation certificate by American Association of Petroleum Geologist
2017	Ravi Tomar	Assistant Professor	Best Paper Award in 2nd International Conference on Sustainable Computing Techniques in Engineering, Science and Management organised by SN Education Society, India and URGCEE, USA
2017	Pardeep Singh	Assistant Professor	Best paper award in International Conference on Innovation in Computing
2017	Jitendra K Pandey	Professor	Member of The National Academy of Sciences
2017	Ajit Kumar Nigam	Associate Professor	Member, Startup Council of PHD Chamber of Commerce
2017	Gowri Ramaswamy	Professor	Executive Council Member IEEE UP Section and Convenor WEI (Women in Engineering)
2017	Mr. Mainak Mukherjee	Assistant Professor	L'Universite De Lorraine, France
2018	S K BANERJEE	Professor	Best Citizen of India Gold Medal Award by Global Economic Progress and Research Association
2018	Dr. Sravendra Rana	Assistant Professor	Swiss National Science Foundation (SNF) Grant

			Switzerland
2017	Ajay Rawat	Assistant Professor	Longest Continuous SBC" under CSI Academic Award by Computer Society of India
2017	Anita Gehlot	Assistant Professor	Session Chair at International Conference on Computing Sustainable Global Development INDIACOM2017 at Bhatiya Vidyapeeth, New Delhi, during 1st - 3rd March 2017.
2017	Binod Kumar Singh	Assistant Professor	1. Chief Guest Editor for Special Issue of Journal of Business and Management Sciences, Science and Education publishing (SciEP),USA 2. Editorial Review Board, International Journal of Bu
2017	Ajit Kumar Nigam	Associate Professor	Country Ambassador University Business Incubator, Sweden
2017	Mamta Rana	Associate Professor	Best Paper Award by Legal Desire
2017	Prasoom Dwivedi	Professor	1. Chartered Economist, certified by Global Academy of Finance and Management (GAFM), Colorado, USA. 2. Master Financial by Global Academy of Finance and Management (GAFM), Colorado, USA. 3. Member and Fellow of the Global Academy of Finance and
2017	Sushabhan Choudhury	Associate Professor	Panel expert in Confederation of Indian Industry (CII) IoT submit 2017

2017	Rajesh Singh	Associate Professor	Session Chair at International Conference on Computing Sustainable Global Development INDIACOM2017
2017	Vivek Kaundal	Assistant Professor	A Grade in Two week ISTE STTP on introduction to design of algorithms conducted by IIT, Kharagpur
2017	Vishal Gupta	Assistant Professor	Gandhian Young Technological Innovation (GYTI) Award 2017
2017	Amit Agarwal	Professor	Distinguished Academician by Pentagon Research Centre
2017	Thirupathaiah Pothuraju	Assistant Professor	Dr. D. S. Kothari Post Doctoral Fellowship (UGC)
2017	Arjun Arora	Assistant Professor	Young Scientist Award 2017
2017	Akhil Damodaran	Assistant Professor	Fellowship by Competition Commission of India for PhD internship program
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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
BCA	CAC3U	II Sem	17/05/2018	08/06/2018
MPlan	MPP2P	II Sem	17/05/2018	08/06/2018
Mtech	All Branches (Excel Attached)	II Sem	17/05/2018	08/06/2018
MA	EEB2P	II Sem	17/05/2018	08/06/2018
MBA	All Branches (Excel Attached)	II Sem	17/05/2018	08/06/2018
BTech	All Branches (Excel	VIII Sem	21/04/2018	19/05/2018

	Attached)			
MBA	All Branches (Excel Attached)	IV Sem	21/04/2018	19/05/2018
LLM	All Branches (Excel Attached)	II Sem	21/04/2018	19/05/2018
MPlan	MPP2P	IV Sem	21/04/2018	19/05/2018
BBA	All Branches (Excel Attached)	VI Sem	21/04/2018	19/05/2018
BA LLB	ELL5U	X Sem	21/04/2018	19/05/2018
BBA	LLB With Corporate Law	XII Sem	21/04/2018	19/05/2018
BTech	LLB With Spz in IPR	XII Sem	21/04/2018	19/05/2018
BCom	TXL5U	II Sem, IV Sem, VI Sem, VIII Sem	17/05/2018	08/06/2018
BPlan	BPP4U	II Sem, IV Sem, VI Sem	17/05/2018	08/06/2018
BTech	All Branches (Excel Attached)	II Sem, IV Sem, VI Sem	17/05/2018	08/06/2018
BA LLB	ELL5U	II Sem, IV Sem, VI Sem, VIII Sem	17/05/2018	08/06/2018
BA	All Branches (Excel Attached)	II Sem	17/05/2018	08/06/2018
BBA	CLL5U	II Sem, IV Sem, VI Sem, VIII Sem	17/05/2018	08/06/2018
BBA	BFL5U	II Sem, IV Sem	17/05/2018	08/06/2018
BBA	All Three Years Branches (Excel Attached)	II Sem, IV Sem	17/05/2018	08/06/2018
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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
43	11736	0.37

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.upes.ac.in/student#stuDownSection>

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
ELE4U	BTech	in Electrical Engineering	68	68	100
MNE4U	BTech	Mining Engineering	37	37	100
PIE4U	BTech	Production & Industrial Engg.	36	34	94
AVE4U	BTech	(Aerospace Engg.) (Spz: Avionics)	37	37	100
GAE4U	BTech	(Applied Petroleum Engg.) (Spz: Gas)	59	58	98
UPE4U	BTech	(Applied Petroleum Engg.) + Upstream	59	59	100
ADE4U	BTech	(Automotive Design Engineering)	74	72	97
RMB3U	BBA	(Retail Management)	12	11	92
AOB3U	BBA	Aviation Operation	38	36	95
LMB3U	BBA	Logistics Management	53	51	96
CLL5U	BBA	LLB with Spz. Cor. Law	65	61	94
LML1P	LLM	LLM	23	23	100
IDD2P	MDes	(Industrial Design)	4	4	100
TDD2P	MDes	(Transportation Design)	10	8	80
URP2P	MPlan	(Urban & Regional Planning)	3	3	100
ESE2P	MPlan	(Energy Systems)	8	6	75
HSE2P	Mtech	(Health, Safety & Environment)	44	44	100

DME2P	Mtech	(HSE) (Spz:D isaster Management)	20	18	90
NSE2P	Mtech	(Nuclear Science & Technology)	8	1	13
PXE2P	Mtech	(Petroleum Exploration)	17	15	88
PLE2P	Mtech	(Pipeline Engineering)	17	14	82
REE2P	Mtech	(Renewable Energy Engineering)	9	8	89
ROE2P	Mtech	(Robotics Engineering)	4	3	75
RTE2P	Mtech	(Rotating Equipment)	7	7	100
SEE2P	Mtech	(Structural Spl Off)	8	4	50
CDE2P	Mtech	Computational Fluid Dynamics	12	0	0
UVE2P	Mtech	(Aerospace E ngineering)(Spz : UAV)	6	6	100
PDE2P	Mtech	(Chemcial Engineering) (Spz : PDE)	17	17	100
AIC2P	Mtech	(Computer Science & Engg)(Spz: AI)	5	2	40
EEB2P	MA	Energy Economics	13	13	100
AVB2P	MBA	(Aviation Management)	24	23	96
BAB2P	MBA	(Business Analytics)	30	30	100
ETB2P	MBA	(Energy Trading)	20	19	95
IBB2P	MBA	(Internation al Business)	43	42	98
GNB2P	MBA	(MKT/HR/FINA NCE)	46	44	96
OGB2P	MBA	(Oil & Gas Management)	86	85	99
PSB2P	MBA	(Port & Shipping Management)	14	11	79

PWB2P	MBA	(Power Management)	44	44	100
UDB2P	MBA	(Urban Infrastructure & Development)	12	12	100
LSB2P	MBA	MBA(Logistics & Supply Chain Management)	78	68	87
ELL5U	BTech	Spz. Energy Laws	121	106	88
ASE4U	BTech	(Aerospace Engineering)	33	31	94
EEE4U	BTech	(Electronics Engineering)	57	56	98
FSE4U	BTech	(Fire & Safety Engineering)	54	54	100
GIE4U	LLM	(Geo Informatics Engineering)	54	53	98
ICE4U	BTech	(Instrumentation & Control Engg.)	25	22	88
MHE4U	BTech	(Mechanical Engineering)	69	57	83
MEE4U	BTech	(Mechatronics Engineering)	59	56	95
PWE4U	BTech	(Power System Engineering)	72	71	99
CLL6U	BTech	Computer Science + LLB Cyber Law	7	7	100
CSC4U	BTech	CSE-Cyber Security and Forensics	64	64	100
ETL6U	BTech	Energy Technology + LLB with IPR	14	14	100
BIC4U	BTech	(Banking Fin an.Security & Insura.)	45	44	98
CEE4U	BTech	(Chemical Engg.) (Spz : R & PC)	52	51	98
CLE4U	BTech	(Civil	67	64	96

		Engineering) (Spz:Infrast r)			
CVC4U	BTech	(CSE) (Spz: Cloud Computing & VT)	56	56	100
ERC4U	BTech	(CSE) (Spz: E-Com, Retail & Auto)	28	26	93
ITC4U	BTech	(CSE) (Spz: IT Infrastru cture)	61	59	97
MTC4U	BTech	(CSE) (Spz: Mainframe Technology)	48	43	90
OGC4U	BTech	(CSE) (Spz: Oil & Gas Informatics)	67	67	100
TIC4U	BTech	(CSE) (Spz: Telecom Informatics)	55	51	93
BOC4U	BTech	(CSE) (Spz:Buss. Analytics & Opt.)	68	65	96
OSC4U	BTech	(CSE)(Spz: Open Source & Open Std)	71	70	99
GSE4U	BTech	(Geo Science Engineering)	46	44	96
NTE4U	BTech	(Material Science Engg)(Spz: Nano)	41	37	90
PPB3U	BA	(Public Policy and A dministratio n)	11	10	91
PDD4U	BDes	Bachelor of Design spl Product Design	18	15	83
TDD4U	BDes	Bachelor of Design spl T ransportatio n Design	8	6	75
AMB3U	BBA	(Auto Marketing)	18	16	89
DMB3U	BBA	(Digital	29	29	100

		Marketing)			
FMB3U	BBA	(Financial Services & Marketing)	55	51	93
FTB3U	BBA	(Foreign Trade)	54	50	93
OGB3U	BBA	(Oil & Gas Marketing)	57	55	96
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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.upes.ac.in/student#stuDownSection>

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	Mr. Yashvir Singh	Fellowship for Doctoral Studies	30/05/2017	National Cheng Kung University
International	Dr. Sravendra Rana	SNF Scientific Exchange grant	04/03/2018	Swiss National Science Foundation (SNF) Switzerland
International	Dr. Jitendra Kumar Pandey	Visit for Research Project in France	11/05/2018	Department of Science and Technology (DST)
International	Dr. Sanjay Kumar	Visit for Research Project in France	11/05/2018	Department of Science and Technology (DST)
International	Mr. Mainak Mukherjee	Fellowship for Doctoral Studies	20/07/2017	Universite De Lorraine, France
International	Ms. Meenakshi Pundir	Fellowship for Higher Studies	20/07/2017	Centre of the Republic of Slovenia for Mobility and European Educational and Training Programmes
International	Dr. Rajeev Kumar Gupta	Fellowship for Research	30/05/2017	Christian Albrechts Universtat Zu

Kiel,
Technische
Fakultat,
Germany

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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 Fellow	36	DSTSERB
Doctoral Research Fellow	36	Institutional Fellowship
Project Fellow	6	Institutional Fellowship
Project Assistant	30	DST TIDE
Senior Research Fellow	12	DST
Teacher Research Fellow	36	Institutional Fellowship
Teaching Associate	24	Institutional Fellowship
Junior Research Fellow	30	DST TIDE
Junior Research Fellow	36	DST

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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
Major Projects	3	Department of Science and Technology, Indian Council of Social Science Research	103.69	49.9
Projects sponsored by the University	2	University of Petroleum and Energy Studies	57.27	57.27
Students Research Projects (Other than compulsory by the University)	1	University of Petroleum and Energy Studies	17.64	17.64
Major Projects	3	(Ongoing Govt. Funded projects sanctioned in previous years and the corresponding amount received in the year 201718 is mentioned)	431.14	80.11

		Department of Science and Technology, Indian Council of Social Science Research		
Industry sponsored Projects	1	Industries/Corporate Houses/Public Sector Units	180.38	180.38
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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
IPR Workshop Seminar	University of Petroleum and Energy Studies	01/07/2017
Industry Academia Innovative Practices	University of Petroleum and Energy Studies	01/07/2017
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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
Hybrid Vehicle Challenge 2018	B.Tech Mechanical and ADE students of UPES	Imperial Society of Innovative Engineers (ISEI)	17/01/2018	Student
Crosspad Runner Up	Virat Jain	Imperial Society Of Innovative Engineers	21/01/2018	Student
Gandhian Young Technological Innovation (GYTI) Awards 2018	Archit Aggarwal	Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI)	19/03/2018	Student
IOT based wireless sensor network for landslide forecasting	Pradyumna Narayan Tiwari, Komal Gautam	Research Innovation in Science and Engineering, UPES	16/11/2017	Student
Cloud enabled smart energy meter and data logging system over internet	Archit Aggarwal	Research Innovation in Science and Engineering, UPES	16/11/2017	Student

Litter of light	Yashasvi Mittal, Tushar Batra	Research Innovation in Science and Engineering, UPES	16/11/2017	Student
Application of surfactant coated magnetic nanoparticles on recovery of oil from oil spills	Divyanshu Bhatt	Research Innovation in Science and Engineering, UPES	16/11/2017	Student
Alarm system for avoiding accidents at blind turns and Tpoint roads	Ankur Dubey Pradyumna Narayan Tiwari	Research Innovation in Science and Engineering, UPES	16/11/2017	Student
Design and fabrication of electric drive train in a spoleless bicycle wheel	Rajdeep Mukherjee Nayan Arora	Research Innovation in Science and Engineering, UPES	16/11/2017	Student
Investigation, characterization and performance evaluation of biosynthesized silver nanoparticles from M.Pudica for various therapeutic applications	Nikita Goyal Satyam Dixit	Research Innovation in Science and Engineering, UPES	16/11/2017	Student
Solid waste management system using GIS technology: A concept of smart dustbin	Somya Sashwat Mishra Gaurav Arora	Research Innovation in Science and Engineering, UPES	16/11/2017	Student
Pipeline cleaning robot	Navpreet Singh Nitin karnatak	Research Innovation in Science and Engineering, UPES	16/11/2017	Student
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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
University of Petroleum and Energy Studies Council for	University of Petroleum and Energy Studies	University of Petroleum and Energy Studies Council for	E Commerce, Food, Wedding Planner, Flash	Industry oriented	11/08/2017

Innovation and Entrepreneurship		Innovation and Entrepreneurship	Bazaar, Organic Food, Ginger,		
View File					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Department of Petroleum Engineering and Earth Sciences	1
Department of Transportation Management	3
Department of Aerospace Engineering	1
Department of Chemical Engineering	5
Department of Health Safety Engineering and Civil Engineering	5
Department of Computer Science and Engineering	3
Department of Electronics and Electrical Engineering	2
Department of Energy Management	3
Department of Law	2
Department of Mechanical Engineering	2
Department of General Management	6

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	Department of Applied Sciences	76	0
International	Department of Chemical Engineering	12	0
International	Department of Computer Science and Engineering	34	0
International	Department of Design	1	0
International	Department of Economics International Business	7	0
International	Department of Electronics and Electrical Engineering	31	0
International	Department of Energy Management	10	0

International	Department of General Management	35	0
International	Department of Health and Safety Engineering and Civil Engineering	32	0
International	Department of law	15	0
International	Department of Mechanical Engineering	11	0
International	Department of Petroleum and Earth Sciences Engineering	9	0
International	Department of Transportation Management	3	0
International	Department of Aerospace Engg	6	0
No file uploaded.			

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
Department of Petroleum Engineering and Earth Sciences	7
Department of Transportation Management	5
Department of Aerospace Engineering	10
Department of Mechanical Engineering	6
Department of Chemical Engineering	7
Department of Applied Sciences	22
Department of Computer Science and Engineering	51
Department of Economics and International Business	5
Department of Electrical and Electronics	49
Department of General Management	11
Department of HSE and Civil Engineering	4
Department of Law	12
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
System for control and avoid collision in a vehicle and method thereof	Published	2017110379	01/12/2017

Method and device to monitor various parameters of vehicle, and further communicates the monitored data to computing device over a communication network	Published	2017110216	14/07/2017
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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
Research Publications, Details attached in EXCEL	Faculty Members of University of Petroleum and Energy Studies	SCOPUS/Web of Science or PubMed/ Indian Citation Index	2017	1186	University of Petroleum and Energy Studies	756
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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
Research Publications, Details attached in EXCEL	Faculty Members of University of Petroleum and Energy Studies	SCOPUS/Web of Science or PubMed/ Indian Citation Index	2017	13	440	University of Petroleum and Energy Studies
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	268	71	0	0
Presented papers	268	71	0	0
Resource persons	124	0	0	0
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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)
Departments of UPES	Civil/HSE/Auditing/Sampling/Survey/Capacity Building	Industry/Corporate Houses/Public Sector Units	18038604
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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
Departments of UPES	Management Development Program/Corporate Training	Industry/Corporate Houses/Public Sector Units	2168559	175
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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
93 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	UPESCSR Team	208	10564
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
80 Awards and recognition received for extension activities from Government and other recognized bodies during the year	Letter of Appreciation	80	9107
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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
Government and NonGovt programs	UPESCSR Team	Supported Running of Free Medical Mobile Van to provide doorstep medical facilities to the residents of nearby villages. Over 11,000 villagers have benefitted from this service from its start till August 2017.	208	10564

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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
55 Number of Collaborative activities for research, faculty exchange, student exchange during the year	55 International/National Students	FICCI/DST/IFCPAR/Republic of Slovenia/UPES Department of In	12

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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
Internship	internship, onthe job training, project work	541 Linkages with institutions/industries for internship, onthe job training, project work, sharing of research	01/07/2017	30/06/2018	1314

facilities
etc. during
the year

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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
MoUs with International Universities, details attached	04/10/2017	Faculty/Student Exchange, Student Internship	164
MoUs with Industries, details attached	14/09/2017	Codesign Codeliver Cobranding of GIE program Student Internship Faculty Training, Industrial visits, Placements, RD Faculty Student training Expert suggestions on course curriculum	7319

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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
4044.75	3494.56

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Laboratories	Newly Added
Class rooms	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Video Centre	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing

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 patially)	Version	Year of automation
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KOHA ILMS	Fully	18.11.00.000	2014
Dspace	Partially	5.6	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	138967	674	24625	169	163592	843
Reference Books	6872	311	1763	86	8635	397
e-Books	1130	56	60494	50	61624	106
Journals	153	25	6	7	159	32
e-Journals	6901	46	10141	49	17042	95
Digital Database	6	88	23	61	29	149
CD & Video	143	1	40	1	183	2
Library Automation	2	23	0	7	2	30
Weeding (hard & soft)	1201	3	4068	13	5269	16
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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
Biranchi Prasad Panda, Saurabh Tiwari	Operations Management	Institutional LMS (Blackboard)	01/07/2017
Mihir Kanti Das	Port Terminal Management	Institutional LMS (Blackboard)	01/07/2017
Mihir Kanti Das	Port Planning	Institutional LMS (Blackboard)	01/07/2017
Suparna Ghosal	Presentation Skills	Institutional LMS (Blackboard)	01/07/2017
Vickram Sahai, Bhartendu Kumar Chaturvedi	Economics Decision Making	Institutional LMS (Blackboard)	01/07/2017
Brahmleen Kaur	Human Resource Management	Institutional LMS (Blackboard)	01/07/2017
Vickram Sahai, Pooja Khanna	Creativity, Innovation and Foresights	Institutional LMS (Blackboard)	01/07/2017
Vinay Kandpal	Money and the Firm	Institutional LMS (Blackboard)	01/07/2017
Sheetal Khanka, VF Himanshi Gupta, Brahmleen Kaur	Managing the Globally Diverse Firm	Institutional LMS (Blackboard)	01/07/2017

Amit Nautiyal, Biranchi Prasad Panda	Technology and Operations Management	Institutional LMS(Blackboard)	01/07/2017
Jyoti Pandey	Public and Global Health	Institutional LMS(Blackboard)	01/07/2017
Pankaj Mohan Prasad	Fundamentals of Nutrition	Institutional LMS(Blackboard)	01/07/2017
VF Vardankur Sinha, Vickram Sahai	Sales and Marketing in a Digital Age	Institutional LMS(Blackboard)	01/07/2017
Roohi Sille, Shelly, Amitava Choudhury, Prashant Rawat , Shamik Tiwari Nitin Arora, Hitesh Kumar , Rohit Srivastava	Web Technologies through PHP	Institutional LMS(Blackboard)	01/01/2018
Neelu Jyoti Ahuja, Pankaj Badoni , Venkatadri Marriboyina, Kingshuk Srivastava, Ankita Shukla, Chandra Prakash	Artificial Intelligence	Institutional LMS(Blackboard)	01/01/2018
Bhupendra Singh, Roohi Sille, Niharika Singh, Harvinder Singh, U Rajani Kanth, Prem Kumar Chithaluru, Himanshu Sahu	Micro Processor Embedded Systems	Institutional LMS(Blackboard)	01/01/2018
Dr. Nihal Siddique	HSE in Operations Industry	Institutional LMS(Blackboard)	01/01/2018
Dr. Nihal Siddique	HSE for Urban Infrastructure Industry	Institutional LMS(Blackboard)	01/01/2018
Mihir Kanti Das	Maritime HSE Management	Institutional LMS(Blackboard)	01/01/2018
Mihir Kanti Das	Ship Brokering Chartering	Institutional LMS(Blackboard)	01/01/2018
Dr. Shalini Vohra	Mind, Body and Wellness	Institutional LMS(Blackboard)	01/01/2018
Dr. Shalini Vohra	Human Values Ethics	Institutional LMS(Blackboard)	01/01/2018
Noopur Jha	Indian Constitution	Institutional LMS(Blackboard)	01/01/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co	Computer	Internet	Browsing	Computer	Office	Departme	Available	Others
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	Computers	Lab		Centers	Centers		Centers	Bandwidth (MGBPS)	
Existing	5003	20	2	20	1	2	1	1334	0
Added	331	4	0	4	0	0	0	0	0
Total	5334	24	2	24	1	2	1	1334	0

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

1.3 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
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=144281
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=143351
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=103391
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=162881
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=162891
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=145531
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=139911
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=74171
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=159681
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=159691
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=103101
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=103181

Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=103151
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=141931
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=143131
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=68791
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=143071
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=143061
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=145771
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/courseMain?course_id=145771
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/modulepage/view?course_id=270641&cmp_tab_id=614871&editMode=true&mode=cpview
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/modulepage/view?course_id=172861&cmp_tab_id=383241&editMode=true&mode=cpview
Institutional LMS(BlackBoard)	https://learn.upes.ac.in/webapps/blackboard/execute/modulepage/view?course_id=214051&cmp_tab_id=501251&mode=view

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
10874.15	5471.11	2586.28	1086.93

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)

UPES, being an ISO 14001 certified, has established systems and procedures for maintaining and utilizing physical, academic and support facilities laboratory, library, sports complex, computers, classrooms etc. since inception. The Technical Services department along with the team of civil, electrical Engineers, plumbers, electricians, carpenters and pump house operators

maintains the Infrastructural facilities round the year. Director, Administration as the approving authority to do a strategic planning for all the maintenance related jobs within the campus. The University also has Standard Operating Procedures (SOPs) for maintaining and utilizing physical, academic and support facilities. Majorly the maintenance activities covered in the yearly PPM (Planned Preventive Maintenance Schedule) including DG Sets, ESS, Pump Hoses, Solar Water Heating Plants, Solar Power Plants, STP etc. All requests for physical changes, alterations, renovations, new construction, repair, and maintenance of campus buildings, infrastructure and grounds reaches to Technical department as per SOP. AMC of Major Backbone Equipments: Planned Breakdown Repair and Maintenance of the important backbone utilizes are covered under AMC (Annual Maintenance Contract) to ensure the trouble free operations of the facility as follows. All 21 Nos of Lifts 07 Nos of DG Sets HVAC Systems (VRV) STP Operations Maintenance RO Purification systems Water Tanks Cleaning systems UPS Batteries systems. Waste Disposable systems Pest Control Systems

Legal Compliances: Technical Deptt also ensures the application of due diligence and compliance with all applicable Acts/regulations/codes applicable to the University like CGWA, UPCL, Safety Act, environmental compliance and the university standards by UGC. The University provides uninterrupted power supply and has the facility of industrial generators in the campus. With 900 KVA of Sanctioned Load and 1375 KVA of Back Up Power from emergency DG Sets. Renewable Energy Sources: To encourage renewable energy, the University has solar power plant (100 kW) Solar Water Heating Systems (61500 LPD) in the campus. The Maintenance and utilization is being covered in the PPM. STP Soft Water Plants:

The preventive maintenance is undertaken based on Standard Operating Procedures. UPES has water treatment plant of 600 KLD, wastewater treatment plant (550 KLD) that enables reuse of water for horticulture / gardening purpose. UPES Operates on "Zero Discharge Policy" RWHP: UPES have 06 Nos. of Rain Water Harvesting pits along with the dedicated bore wells metering on the water charging system. Supported by the "Online Piezometer" for water table monitoring system. Infirmary, sports facility, transportation (buses, taxis, etc.), surveillance, Public Address system aiding in teaching, Air conditioned library services, laboratories, firefighting equipment are managed by respective departments that have their SOPs, audits and maintenance schedule. GRIHA ISO: The maintenance and upkeep of its infrastructure has enabled UPES to be awarded the GRIHA award in 2015 for green campus. The University is ISO certified - ISO 9001:2008 ISO 14001:2004 OHSAS 18001:2007.

<https://www.upes.ac.in>

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	UPES Scholarships	2664	26508071
Financial Support from Other Sources			
a) National	State Government Scholarships	116	0
b) International	N/A	0	0

[View File](#)

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
Short term Certificate Program, GATE Preparation Classes, Aptitude Training	09/11/2017	346	IARC Mumbai, Aerospace Engineering Department (Inhouse), Career Launcher
Placement Selection Improvement, Career Orientation Workshop	21/08/2017	2383	External Trainers, Alumni Mentorship Society, UPES Dehradun
Personality Enhancement Program, Advance Skillset Development	28/08/2017	3885	Dale Carnegie Training India, Inhouse faculty
Summer School and Directed Reading, Remedial Coaching, Financial Engineering Workshop	23/10/2017	8964	In house (All Departments), AGM Training
Tectonics M Cube, Bridge Course, Training on PLC	04/09/2017	3400	UPES Center for Professional Communication department
YOGA and Meditation	21/06/2018	90	Internal Trainers
Personal Counselling	15/09/2017	4673	Inhouse Faculty
Language Lab	11/09/2017	2129	UPES Center for Professional Communication department

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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
2017	Career Guidance and Career Counselling	346	2757	46	1808

[View File](#)

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
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		redressal
24	24	22

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
UPES hosted 400 recruiters/companies from diversified sectors including Petroleum, IT, Automobile, Logistics Supply Chain, Consultancy, Law Corporate Firms. (Details attached). For example Accenture, , IBM , EY, Reliance, Schlumberger and more	2507	1808	63 Off campus companies/Industries covering 69 placements across all the programs and Schools (Details Attached)	471	69
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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
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	Amity, Gwalior	LLM, Constitutional Law
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	Jindal Global University	LLM, Corporate law
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	NUJS, Kolkata	LLM, Corporate Law
2017	1	Integrated	LAW	NUJS,	LLM,

		BBA LLB (Hons.) Corporate Laws		Kolkata	Corporate Law
2017	1	Integrated BBA LLB (Hons.) Corporate Laws	LAW	LLM,Queens Mary London	LLM, Corporate Law
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	Rajiv Gandhi School of Intellectual Property law,IIT Kharagpur	LLM, Criminal Law
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	Maharashtra National Law University	LLM, Energy and Telecom Law
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	UPES Dehradun	LLM, Energy Laws
2017	1	BBA Logistics Management	Logistics	UPES	MBA (with sp ecialization in HR Management, Financial & Accounting Management, Marketing Management, or Operations Management) 2017
2017	1	BBA Logistics Management	Logistics	UPES	MBA Logistics & Supply Chain Management 2017
2017	1	MBA (with sp ecialization in HR Management, Financial & Accounting Management, Marketing Management, or Operations Management)	Management	Others	MS
2017	1	BBA Financial	Marketing	University of Canberra	M.Sc / MS

		Services Marketing			
2017	1	BBA Financial Services Marketing	Marketing	UPES	MBA (with specialization in HR Management, Financial & Accounting Management, Marketing Management, or Operations Management) 2017
2017	1	BBA Auto Marketing	Marketing	UPES	MBA Business Analytics 2017
2017	1	B.Tech Material Science Engineering with specialization In Nano Technology	Mechanical	UPES	MBA Oil & Gas Management 2017
2017	1	B.Tech Mechatronics Engineering	Mechanical	University Of Maryland	Mtech
2017	1	BBA Oil & Gas Marketing	Oil & Gas	UPES	MBA (with specialization in HR Management, Financial & Accounting Management, Marketing Management, or Operations Management) 2017
2017	1	BBA Oil & Gas Marketing	Oil & Gas	UPES	MBA Energy Trading 2017
2017	1	BBA Oil & Gas Marketing	Oil & Gas	UPES	MBA International Business 2017
2017	1	BBA Oil & Gas Marketing	Oil & Gas	UPES	MBA International Business 2017
2017	1	BBA Oil &	Oil & Gas	UPES	MBA Internat

		Gas Marketing			ional Business 2017
2017	1	BBA Oil & Gas Marketing	Oil & Gas	UPES	MBA Oil & Gas Management 2017
2017	1	BBA Oil & Gas Marketing	Oil & Gas	UPES	MBA Oil & Gas Management 2017
2017	1	BBA Oil & Gas Marketing	Oil & Gas	UPES	MBA Power Management 2017
2017	1	B.Tech Aerospace Engineering with special ization In Avionics Engineering	Aerosapce	National Institute of Fashion Technology	M.Tech
2017	1	B.Tech Chemical Engineering with special ization In Refining & P etrochemical s	Chemical	National Institute of technology, Delhi	M.tech
2017	1	B.Tech Geo-Science Engineering	Earth Science	University of Stavanger, Norway	M.Sc / MS
2017	1	B.Tech Applied Petroleum Engineering with special ization In Upstream	Earth Science	UPES	MBA Oil & Gas Management 2017
2017	1	B.Tech Fire & Safety Engineering	HSE & Fire Safety	UPES	M.Tech Health Safety & Environment Engineering 2017
2017	1	B.Tech Computer Science & Engineering with special ization In Business Analytics &	Information Technology	North Carolina State University	M.Sc / MS

		Optimization			
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	NLU Jodhpur	LLM
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	NLU Odisha	LLM
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	NLIU, Bhopal	LLM
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	HNLU,Raipur	LLM
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	LLM,Symbiosi s Pune	LLM
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	AISEC Univer sity,Bhopal	LLM
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	LLM, HNLU,Raipur	LLM
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	LLM, Symbiosis	LLM
2017	1	Integrated BA LLB (Hons.) Energy Laws	LAW	NLU,Jodhpur	LLM
2017	1	Integrated BBA LLB (Hons.) Corporate Laws	LAW	NUJS,Kolkata	LLM
2017	1	Integrated BBA LLB (Hons.) Corporate Laws	LAW	Amity,Luckno w	LLM
2017	1	Integrated BBA LLB (Hons.) Corporate Laws	LAW	Amity,Luckno w	LLM

2017	1	Integrated BBA LLB (Hons.) Corporate Laws	LAW	NLIU, Bhopal	LLM
2017	1	Integrated BBA LLB (Hons.) Corporate Laws	LAW	NLU Nagpur	LLM in Commercial law
2017	1	Integrated BBA LLB (Hons.) Corporate Laws	LAW	CMR School of Legal Studies, Bangalore	LLM, Commercial law
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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
NET	1
GATE	21
GMAT	13
CAT	4
GRE	2
TOFEL	4
Any Other	1
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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
Welcome party / On boarding of first year students College of Eng	Intra University	1800
Welcome party / On boarding of first year students College of Mgmt	Intra University	1450
Welcome party / On boarding of first year students College of Legal	Intra University	550
Welcome party / On boarding of first year students Computer Science	Intra University	2100
Annual Cultural Fest,	Intra University	8000
Ignite	Intra University	3000
UPES Run for Life	Intra University	530
Football Tournament(men)	Intra Mural	704
Volleyball	Intra Mural	170

Athletics (Boys)	Annual Athletics Meet	822
Athletics (Girls)	Annual Athletics Meet	103
Football Tournament(men)	Inter Collegiate	16
Cricket tournament	Intra Mural	1024
Chess (Girls)	Intra Mural	22
Chess (Boys)	Intra Mural	103
Basketball (Girls)	Intra Mural	60
Basketball (Boys)	Intra Mural	160
Badminton (Boys)	Intra Mural	412
Badminton (Girls)	Intra Mural	49
Table Tennis (Boys)	Intra Mural	68
Table Tennis (Girls)	Intra Mural	21
Cricket tournament	North Zone Cricket	16
Basket Trial (Boys)	Inter	56
Basket Trial (Girls)	Inter	19
Volleyball Team Trial	Inter	47
Cricket trail	Inter	182
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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	National Table Tennis Event North Zone	National	1	0	500052678 500053617 500052382 500052566 500052917	Nakul Chawla Harshit Saxena Ayush Raj Chauhan Rohan Saxena Shubham Ghildiyal
2018	North Zone Cricket	National	1	0	16 Members	UPES Student Cricket Team
2017	Light weight championship	National	1	0	500054248	Virat Jain
2018	Light weight championship	National	1	0	500054248	Virat Jain
No file uploaded.						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of

the institution (maximum 500 words)

UPES involves the students as a stakeholder in various committees throughout their tenure at the university. Students are encouraged to participate in various administrative bodies, not only for their involvement but also as an opportunity to hone leadership skills. Students are represented in Departmental Consultative Committees, the Internal Quality Assurance Cell (IQAC), Career Services, and other student bodies. Details of their representation and role, is provided below: IQAC: As per the IQAC Constitution, each college must have a student representative in IQAC. These students are required to reflect on various quality initiatives and provide their perspective. DEPARTMENTAL CONSULTATIVE COMMITTEE: Every academic year, all departments of the university organize the Departmental Consultative Committee meetings to discuss required curriculum revisions. Students are part of this committee to provide feedback on the course content and the pedagogical tools used for content delivery. At times, students also suggest introduction of courses that help their employability and/or knowledge. CAREER SERVICES: Student placement representatives (SPRs) work along with the Career Services Department. They help in planning, communicating, and disseminating information about employers on the campus during recruitment drives. They also are key to identifying organizations that are suitable for internships during summer and winter breaks. CLASS REPRESENTATIVES (CRs): Each class has class representatives (CRs) from each gender. Course coordinators, heads of department, and school heads/deans and directors and the vice chancellor hold regular meetings with the CRs. Students Engagement and Experience (Students affairs): There are many student representatives in SEE department to conduct activities related to NSS, social media ambassadors, members of various clubs and chapters for different schools. They also represent other students for sharing their concerns and issues with SEE members. Cultural Committees Students in this committee organize the university's annual signature events Uurja and Ignite. Besides these events, technical festivals, and impromptu events by various student chapters/clubs/committees of students are performed. Sports Committee Students representing this committee help in creating an amiable sports ecosystem at the university for the student community's physical and mental wellbeing. The committee members are responsible for conducting various intra and intercollegiate indoor and outdoor sports events. Student Discipline Committee Student Discipline Committee works under the supervision of the Proctorial Board and alerts the board to aspects like ragging, substance abuse, road traffic accidents, eve-teasing, racial/ caste discrimination, and gender harassment. These students also act as student representative in Internal Complaints Committee members in sexual harassment matters concerning students. Gender Champions Student Gender champions are appointed to promote gender equality and change the mode of interaction with the other gender at all levels including home, workplace and university. Road Safety Rangers UPES recognizes the need to sensitize students through students DC members about road safety measures. Various activities and events, like screening of documentaries, films of accident survivors, distribution of handbooks, etc., are planned at regular intervals. Hostel Management Representatives: There are groups of students in each hostel who participate in the management of hostel affairs like hostel menu finalization, organizing monthly hostel events, parties, etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes. Department of Alumni affairs supports nearly 12,000 UPES alumni that live and work around the world. Dedicated staff and alumni volunteers help manage more than 10 UPES Alumni Regional Chapters. Its influence and activities are

pivotal in the development of both the global alumni community and the experience of university's students today. It organizes a wide range of events including social and academic. It is also committed to supporting alumni in their careers linking it closely with the University's Careers Service to support mentoring and intern opportunities to Alumni. UPES works to promote a close relationship between its alumni and the University. It fosters and strengthens the relationship with its alumni and friends to preserve and promote the University's traditions, purposes, growth and alumni and to keep alive Tiger spirit for our alma mater. It works to encourage alumni to become personally involved in and financially support University initiatives and activities. As a UPES alumnus, the alumni receive many benefits simply by staying connected to the university. Brief snapshot:

- AlmaBay selected as a new alumninetworking tool to help alumni more easily connect with the university, in their area and around the globe.
- Alumni Programs and Events
- Job Search or Career Assistance
- Higher Education
- Privilege Card
- Bulk Email Software Contribution of alumni in terms of guest lectures: The goal of these 19 lectures in 2017 was to allow alumni, students, and others at the campus to connect and discuss career goals and opportunities. In addition, these lectures and interactions also led to initiatives such as developing more student internship opportunities.

1. Mr. Brajesh Kumar Raman, Consultant, CGI
2. Mr. Vaibhav Bahl, Engineer, TATA Advance System
3. Ms. Rishita Rangarh, GIS Trainee, District Operations, Toronto Water
4. Mr. Varun Arora, Oil Gas Data Analyst, Tata Consultancy Services
5. Ms. Chandni Varshney, Embedded Software Engineer, Robert Bosch Engineering and Business Solutions Pvt. Ltd.
6. Mr. Tushar Budhwar, Project Engineer, Allied Engineers Delhi
7. Mr. Ishupal Singh, Analyst, Triple Point Technology
8. Ms. Manisha Oberoi, Visiting Faculty, Symbiosis, Pune
9. Mr. Utsav Bahguna, Product Verification Engineer, Hexagon Capability Centre India (Intergraph Pvt. Ltd.)
10. Mr. Ankur Verma, Data Scientist, Sheorey Digital Systems, Bangalore.
11. Mr. Sushant Kohli, Assistant Well Services, Cairn India Ltd.
12. Mr. Nikhil Moghe, Director, KPMG
13. Mr. Rajesh Kumar Mishra, CEO, Vertex Lifts India Pvt. Ltd.
14. Ms. Surabhi Rana, General ManagerAero Marketing, GVK Mumbai International Airport Ltd.
15. Mr. Abhijeet Narang, Assistant System Engineer, Tata Consultancy Services
16. Mr. Gurmeet Singh Saluja, Developer, Tata Consultancy Services
17. Mr. Ankit Sachan, Sales Officer, HPCL Kanpur
18. Mr. Gurmat Singh, well Surface Engineer, SLB
19. Mr. Shresth Bisht, Driller, Aban offshore

5.4.2 – No. of registered Alumni:

9600

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

4135500

5.4.4 – Meetings/activities organized by Alumni Association :

10

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)

New Program Development Process In continuation with UPES's focus on innovation, excellence and fostering a vibrant learning ecosystem, Program management provides strategic direction for new areas, market intelligence, building a business case, launching new program, portfolio analysis, and nurturing. Program management is an interdisciplinary role that supports its schools and faculties in developing and implementing curricular change and

innovation.. This role is about setting a program vision, defining a program strategy and developing a roadmap that meets both company goals and user needs. It is a collaborative decisionmaking process based on data, student aspiration and industry demand. The new program development process begins with proposing an idea, which comes from different stakeholders including school teams/ faculties, academic staff, and more. The team gathers input from a variety of secondary sources both internal and external to the institute to further detail out the scope and understand the market and competition with thorough data support. Shortlisted ideas are recommended to the Executive Team based on the proposed programs organizational alignment and strategic value, student and employer demand for the program, economic need, resource requirements, and financial feasibility. Program structure and curriculum details are designed to detail out students' experience, engagement, and program outcomes, in accordance with the Framework/ academic model defined for Programs. After getting approvals from competent authorities, proposed program is presented to the Academic council for approval. Once the program is approved, it can then be advertised and opened for registration and an official launch is planned Budget Process At UPES, we follow a bottoms up and participative approach to the budget allocation. A broad strategy involving key initiatives is formulated with the participation from key management and board members. Based on the strategy, a range of overall metrics for the planning year is defined. Then, a detailed budget exercise is undertaken with involvement from all the departments and management personnel. Finally, the management team reviews the budget on following parameters - a. Inflation and contractual increases b. Required trueup for next year based on increase in students, faculty and infrastructure c. Labs and infrastructure requirements d. New initiatives The budget thus finalized allows for midyear review and modifications. A. Process is as follows

1. Communication to all the department heads with broad guidelines
2. Individual departments share their requirements with the department heads and school heads
3. School heads consolidate the budget at school level department heads consolidate the requirements at department level. Both then share it with the Finance team.
4. Finance team holds discussions with all school heads and departments. Open items are parked for discussion with the management. All the individual budgets are consolidated to arrive at the overall budget.
5. Finance team presents the overall budget along with the open discussion items to the management team
6. Management team takes decision on open items and overall budget is finalized
7. Presentation of the budget to the Finance committee for approval and record
8. Communication of the finalized budgets to all the school heads and department heads

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
Human Resource Management	Aarambhinduction program for new joinees, Protsahan Internal mobility program for lateral movement, Positive Moves-employee promotions, Unnati Pragati-leadership programs for developing adaptive skills, Urja annual employee training calendar to develop skills, Positive Leadership Gratitude is important value. Some rituals were adopted like thanking each other using a gratitude

wall, Baaton Baaton Main informal employee-leadership townhall, Navrachna Employee physical emotional wellness program, An employee assistance program providing employees and their families a 24hour toll free counselling service to discuss their emotional problems, Kilkari Creche, Climate Survey employee engagement survey, Utsav celebrating with employees and their families. 5, 10 and 15 years Long Service awards are also given, Guru Dakshina-Teachers' day celebration to thank teachers, Abhigyaat-faculty internship program with industry.

Research and Development

UPES encourages faculty and students for active involvement in valued research activities. Publication of research work is encouraged in accordance with university guidelines for UGC listed journals of repute. Short range papers are often presented for peerreviewed journals through international conferences technically sponsored by IEEE, Springer, Elsevier etc. Innovation to utilization is promoted through patent filing, sponsored research projects and consultancies obtained from various funding agencies. Students are actively promoted in innovative research activities through mentorship and project involvement. Student contributions at national and international competitions have accumulated greater success such as 1st position in CANSAT 2017 conducted by NASA.

Curriculum Development

Curriculum development at UPES involves inputs from all the stakeholders and deliberations at three levels. Department Consultative Committee (DCC), initiates the development or modification of a course. Then at school level Board of Studies (BOS), discusses and finalises the recommendations of DCC, which are approved, modified or rejected by the University Academic Council. Further the new or modified curriculum is conveyed to the concerned school for implementation. Inputs are taken from faculty, students, recruiters, Professors from institutions of National and International repute, Govt. research organizations, experts from industries and alumni as a part of

	DCC and BOS.
Teaching and Learning	<p>Classes are regularly monitored through SAP and requisite contact hours are ensured for every course. ICT is used to enhance the teaching effectiveness. UPES uses Blackboard as the LMS for delivery of online courses and blended teaching and teacherstudent communication. Casebased teaching, periodic class tests, virtual labs, online certification, and participation in cocurricular activities helps in student centric teaching and improves student experience. Faculty is regularly provided with industry related inputs and is encouraged to participate in Faculty Development Programs. The students are motivated to present and publish research papers and file patents.</p>
Examination and Evaluation	<p>The faculty submits the question paper online through SAP this maintains the confidentiality of the process. Examinations for subjects and open electives are conducted online. Continuous evaluation and Auto evaluation is also conducted through LMS for a few subjects. Remotely proctored online mode examination for PhD course work enables scholars to take the tests from anywhere. Centralized evaluation for common papers and answer scripts after evaluation are shown to students. Online recording of FRC member's comments for Ph.D synopsis and abstract presentation also improves the rigour and effectiveness of the process.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"> • RFID based fully automated library system, including the Mobile app for accessing library resources • Single Window search facility for data retrieval and availability of information • Separate Discussion room for students at Bidholi Library • Separate Reading Room for Faculty and Research Scholars • To increase the research output of the University, emphasized on good eresources procurement • Digitization of Thesis and uploaded all awarded Thesis at Shodhganga Database of INFLIBNET <p>Some of the quality improvement strategies enunciated for physical infrastructure are - Retrofitting of conventional lights with the LED Lights for energy savings Water Savings measures by</p>

installation of the aerators and low discharge candles to the RO systems.
 Ground Water Quality Testing and periodic drinking water quality checks
 Maintaining the Power Factor near to UNITY for Energy Savings. UPES ensures optimum utilization of resources with constant endeavor to deliver quality maintenance with sound cost optimization strategies

Admission of Students

Admissions Team representatives visited the top schools with presentations to create awareness about the program offered by UPES and the scope of these programs and career prospects. Webinars focusing on current topics were conducted by Industry expert and Senior faculty members to engage with students. Pre counselling events were conducted in major cities where admissions team interacted face to face with the students. Group calls were made with students to address their queries and doubts before counselling. Unleash events were organised in key cities with motivational speakers and industry speakers were included as resource persons to address the students attending the events. UPES also participated in key education fairs to promote the programs of UPES

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

E-governance area	Details
<p>Planning and Development</p>	<p>Academic planning and monitoring is done mostly online. At the start of the semester timetable is prepared with the help of CELCAT software. Through out the semester faculty and students can access time table through their SAP logins. Student attendance is recorded and monitored through CORTAS and communicated to students and their parents on a regular basis. Each class conducted according to the timetable gets recorded on the SAP and class not taken reports for a day can be generated through it. Faculty feedback is taken online by the students for each subject by the end of the semester.</p>
<p>Administration</p>	<p>Both the campuses of UPES are WiFi enabled and all academic and non academic operation is through SAP application. Employee attendance and leave records are maintained and monitored online through SAP. Intranet</p>

	<p>and websites are used to communicate with faculty staff and students. Land and infrastructure records are also computerised. Etracker is used to manage guestroom occupancy and cab detailment by University employees and guests. Requests for repair and maintenance jobs are generated and closed online through an operational tracker. Utility reports like daily utilization/ consumption of electricity and water are maintained online.</p>
Finance and Accounts	<p>FICA and FICO applications of SAP are used for financial operations in the University. Collection of student fees and payment to vendors is done online to maintain transparency as well as confidentiality in the system. UPES has implemented ERP/ Online payments/ Paytm/ PayU/ Debit Credit Card payments to facilitate students and vendors, promote inclusion in financial operations and save time and cost.</p>
Student Admission and Support	<p>Entire Student Life Cycle right from enrolment to alumni relations are maintained online. Candidates can apply online for the course of their choice. All communication regarding the selection process is done online on the registered credentials of the candidate. Application portal used is designed by Human Factors, Newgen portal. Candidate's attendance, documents verification and academic assessment (interview, exam, GD marks) is uploaded on the website /portal and he/she is intimated of the same via SMS/Email communications. An online help desk is available to students wherein they can log the issue/query online via online portal for requests, such as Bonafide letter, ID card, Address change etc.</p>
Examination	<p>In few open elective courses and for online courses, UPES introduced online evaluation in AY 201718 . Along with it a system of online examination was also executed for student continuous assessment. All faculty members submit the question papers online through SAP which is received by SRE after getting vetted by the HOD of that department.</p>

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
No Data Entered/Not Applicable !!!				
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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)
2017	Competition Law and Policy	NA	17/10/2017	17/10/2017	13	0
2018	Functional Thinking (Python) - Theory and Lab	NA	02/01/2018	05/01/2018	16	0
2018	Source Code Management theory and Lab	NA	08/01/2018	11/01/2018	5	0
2018	Information Security intelligence and compliance analytics	NA	03/01/2018	05/01/2018	9	0
2018	Information Security Management Practices	NA	03/01/2018	05/01/2018	10	0
2018	Information Security Governance	NA	08/01/2018	10/01/2018	14	0
2018	Analytics in Banking Industry	NA	08/01/2018	12/01/2018	5	0
2018	Analytics in Insurance Industry	NA	08/01/2018	12/01/2018	6	0
2018	Descriptive Analytics for	NA	08/01/2018	12/01/2018	3	0

	Healthcare (Business Intelligence)					
2018	Emerging Tech Healthcare Mobility (MOBILE APPS)	NA	02/01/2018	05/01/2018	2	0
2018	Customer R elationshi p Manageme nt.	NA	08/01/2018	10/01/2018	5	0
2018	Mobile App developmen t Android	NA	02/01/2018	05/01/2018	7	0
2018	Product Lifecycle Management (PLM)	NA	10/01/2018	12/01/2018	5	0
2018	Digital Image Processing	NA	03/01/2018	05/01/2018	22	0
2018	Computer Animation Algorithm and Techniques	NA	08/01/2018	10/01/2018	7	0
2018	Introduct ion To Game Progr amming	NA	10/01/2018	12/01/2018	7	0
2018	Upstream Petroleum : Explorat ion Production	NA	09/01/2018	11/01/2018	5	0
2018	IT Applica tion for Retail Business	NA	03/01/2018	05/01/2018	6	0
2018	Mobile Com munication Protocols	NA	08/01/2018	10/01/2018	16	0
2018	Sensor Technology Instrument ation	NA	10/01/2018	12/01/2018	7	0
2018	NA	Product Training Enrollment Marketing	12/06/2018	13/06/2018	0	18

		Team				
2018	NA	Product Training for Placement Team	22/06/2018	23/06/2018	0	38
2017	NA	Mobile Technology for Banking and Insurance Industry	31/07/2017	05/08/2017	0	18
2017	NA	Programmin g data Structure Lab	09/10/2017	09/10/2017	0	20
2017	NA	ADBMS Overview	10/10/2017	10/10/2017	0	20
2018	NA	Product Training for Counse lling Sales Team	13/01/2018	14/01/2018	0	26
2018	NA	CCE Product Training	18/04/2018	18/04/2018	0	25
2017	NA	A training session on XLS (Basic and Advance)	19/09/2017	20/09/2017	0	2
2018	NA	Pragati Module I	30/01/2018	01/02/2018	0	15
2018	NA	Pragati Module II	26/03/2018	28/03/2018	0	15
2018	NA	Hogan cert ification	22/03/2018	24/03/2018	0	15
2018	NA	HAY Grade Training,	01/06/2018	20/06/2018	0	15
2018	NA	Unnati	21/06/2018	23/06/2018	0	35
2017	NA	CCE Sales Training	07/07/2017	07/07/2017	0	19
2017	NA	Product Training for Enrollment Marketing Team	01/08/2017	02/08/2017	0	18
2017	NA	Product Training	03/08/2017	04/08/2017	0	38

		for Placement Team				
2017	NA	Data warehouse Multidimen sional Modeling Lab	28/08/2017	30/08/2017	0	12
2017	NA	SAP: Supply chain management	03/10/2017	05/10/2017	0	16
2017	NA	Cloud Computing Architectu re	26/07/2017	27/07/2017	0	18
2017	NA	Data Center Tra nsformatio n (Focus on lab Based hands on)	23/08/2017	25/08/2017	0	15
2017	NA	IT Network Security	26/07/2017	29/07/2017	0	12
2017	NA	Mobile App lication P rogramming using ANDROID Lab	17/07/2017	19/07/2017	0	11
2017	NA	Cisco Networking Lab Training	20/09/2017	20/09/2017	0	15
2018	NA	HAY Grade Training	19/06/2018	20/06/2018	0	5
2017	NA	Basics of Excel - Data Entry, Formulas and Functions	19/09/2017	19/09/2017	0	28
2017	NA	Advance of Excel - CHARTS and GRAPHS, VLOOKUP, PIVOT TABLE, IF Conditions etc.	19/09/2017	20/09/2017	0	30

2017	Library Orientation and Training of Online Resources for Law	NA	03/07/2017	03/07/2017	32	0
2017	Library Orientation programme and Training on EBSCO Research Databases	NA	10/07/2017	10/07/2017	21	0
2017	Utilization of Manupatra Database	NA	11/07/2017	11/07/2017	19	0
2017	Training program on ebooks (Cambridge University Press)	NA	20/09/2017	20/09/2017	21	0
2017	Black board refresher training	NA	31/07/2017	31/07/2017	2	0
2017	Data base training Manupatra	NA	16/11/2017	16/11/2017	10	0
2017	Online database training	NA	17/11/2017	17/11/2017	14	0
2017	Cloud Computung Architecture:Lecture	NA	21/07/2017	22/07/2017	21	0
2017	Mobile Technology for Banking Industry (E5)	NA	17/07/2017	19/07/2017	17	0
2017	Mobile Technology for Insurance Industry (E6)	NA	19/07/2017	22/07/2017	19	0
2018	Library Training	NA	04/01/2018	04/01/2018	11	0

	program on OnePetro Database					
2018	Library Training Program for the Faculty Members on InfoTrac Engineering Science Technology Collection (IESTC)	NA	05/01/2018	05/01/2018	16	0
2018	How to use Scopus	NA	12/02/2018	12/02/2018	21	0
2018	How to use Mendeley	NA	12/02/2018	12/02/2018	19	0
2017	Five Days Faculty Development Programme on "Innovative Research and Teaching Methodologies in Contemporary Era", organized by College of Legal Studies, UPES, Dehradun	NA	17/07/2017	21/07/2017	32	0
2017	Manupatra Database Training	NA	11/07/2017	11/07/2017	12	0
2018	Library Orientation	NA	04/01/2018	04/01/2018	7	0
2018	Library Training Program for faculty members on Taylor Francis eJournals package	NA	16/03/2018	16/03/2018	17	0
2018	Library training	NA	20/03/2018	20/03/2018	23	0

	program on IEEE AllSociety Periodicals Package (ASPP) POP					
2018	Training Programme for LexisNexis online Database	NA	23/03/2018	23/03/2018	12	0
2018	Library Orientation Program for the Faculty Members on InfoTrac Engineering Science Technology Collection (IESTC)	NA	01/05/2018	01/05/2018	23	0
2018	Library Orientation for SOL faculty members on Law eDatabases	NA	04/04/2018	04/04/2018	14	0
2017	IT Adoption for Healthcare Operations Processes	NA	17/07/2017	19/07/2017	13	0
2017	Retail Business Model Processes	NA	17/07/2017	19/07/2017	15	0
2017	Mobile Application Programming using ANDROID Lab	NA	17/07/2017	19/07/2017	15	0
2017	Introduction to Internet Of Things (IOT)	NA	17/07/2017	19/07/2017	30	0
2017	National Faculty Development	NA	17/07/2017	21/07/2017	18	0

	Workshop on Innovative Research and Teaching Methodologies in Contemporary Era"					
2018	Library Orientation at SOB on Management eDatabases	NA	04/05/2018	04/05/2018	11	0
2018	Tutorial on use of Scopus and Smart Referencing System using Mendeley	NA	14/02/2018	14/02/2018	26	0
2018	IEEE Sight Activity on Humanitarian Technology	NA	20/04/2018	20/04/2018	18	0
2017	Industry Academia workshop on certified human resource analytics	NA	27/09/2017	28/09/2017	12	0
2017	Workshop on Future of Petroleum Naftanomics 2017	NA	22/09/2017	23/09/2017	15	0
2017	Innovative Strategy for Advertising	NA	14/09/2017	14/09/2017	11	0
2018	IT Trends that will Dominate 2018	NA	15/02/2018	15/02/2018	27	0
2018	Artificial Intelligence and Entrepreneurship opport	NA	26/02/2018	26/02/2018	23	0

	unities					
2017	Nanotechnology in Data Storage Technology	NA	11/08/2017	11/08/2017	18	0
2018	Renaissance National Space Convention 2018	NA	06/04/2018	08/04/2018	15	0
2017	Information Technology Security Evaluation Criteria (ITSEC)	NA	17/07/2017	19/07/2017	12	0
2017	Healthcare Standards Quality Assurance	NA	20/07/2017	22/07/2017	16	0
2017	Web Programming For Graphics Gaming (HTML 5 Web GL)	NA	20/07/2017	22/07/2017	17	0
2017	Supplier Relationship Management (SRM)	NA	20/07/2017	22/07/2017	10	0
2017	IT Business Continuity Disaster Recovery Planning	NA	21/07/2017	24/07/2017	11	0
2017	Fundamentals of Oil Gas Industry	NA	24/07/2017	26/07/2017	17	0
2017	IT Adoption for Manufacturing Enterprise Resource Planning (ERP)	NA	24/07/2017	26/07/2017	18	0
2017	Responsive Mobile Platform	NA	26/07/2017	28/07/2017	20	0

2017	FDP on Goods Service Tax	NA	05/08/2017	05/08/2017	25	0
2017	IT Network Security	NA	26/07/2017	29/07/2017	20	0
2017	T3: Big Data	NA	21/08/2017	24/08/2017	15	0
2017	T3: Dev Ops	NA	08/08/2017	10/08/2017	18	0
2017	Evolutionary game Theory for Network Analysis	NA	15/08/2017	15/09/2017	20	0
2017	3rd CoLS International Conference on The Road Ahead in Data Protection: National and International Perspectives	NA	01/09/2017	02/09/2017	136	0
2017	HR Analytics and Metrics Credit Workshop	NA	27/09/2017	28/09/2017	20	0
2017	3rd UPES School of Law National Litigation Workshop: Minute to Minute	NA	11/12/2017	15/12/2017	28	0
2017	Molecular machine: bear on a mountainous landscape or frog in a lily pond?	NA	27/04/2017	27/04/2017	13	0
2017	Faculty Enrichment Program (Phase I)	NA	20/07/2017	22/07/2017	100	0

2017	Two week ISTEESTTP on Power System	NA	10/07/2017	15/07/2017	20	0
2017	FEP (Phase I, reconducted for absentees)	NA	26/08/2017	26/08/2017	18	0
2018	Faculty Enhancement program for AP	NA	08/01/2018	08/01/2018	96	0
2018	Faculty Enrichment Program (Phase II)	NA	09/03/2018	09/03/2018	99	0
2017	Training on Blackboard Use	NA	13/07/2017	13/07/2017	42	0
2018	ELECTRA 2.0	NA	06/04/2018	08/04/2018	15	0
2018	Search of extra Solar Planets	NA	22/02/2018	22/02/2018	10	0
2017	Robot Kinematics, Dynamics and Motion Control	NA	06/11/2017	06/11/2017	13	0
2018	6th Annual UPES Distinguished Lecture in Chemical Engineering	NA	03/04/2018	03/04/2018	16	0
2018	Current Scenario of Legal Education	NA	06/02/2018	06/02/2018	21	0
2017	Deep Learning, IoT Applications and Implementation in Product Driven Industries	NA	03/11/2017	03/11/2017	19	0
2017	Workshop on Ground Fault Neut	NA	28/08/2017	30/08/2017	12	0

	raliser					
2017	Financial Engineering Workshop Series III	NA	30/08/2017	31/08/2017	11	0
2017	Workshop on "H.R Analytics and Metrics professional	NA	27/09/2017	28/09/2017	14	0
2017	Workshop on Remote Sensing	NA	12/08/2017	12/08/2017	12	0
2017	Workshop on "Writing Funded Research proposal	NA	06/09/2017	06/09/2017	25	0
2017	National Workshop on "Symbolic 2D/3D Image Processing using LIPS",	NA	16/09/2017	18/09/2017	18	0
2017	One day Workshop on Cultivation of Medicinal and Aromatic Plants	NA	19/09/2017	19/09/2017	11	0
2017	GST and Corporate Law	NA	05/08/2017	05/08/2017	17	0
View File						

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
National Faculty Development Program on Multidisciplinary Research and	4	17/07/2017	21/07/2017	5

Teaching Methodologies in Contemporary Era				
IBM T3: Internet to Internet of Things (IOT)	33	17/07/2017	20/07/2017	4
T3: Mobile app development using Android programming and Open Gl	27	17/07/2017	19/07/2017	3
IT Security Evaluation Criteria	5	17/07/2017	19/07/2017	3
Retail Business Model and Processes	7	17/07/2017	19/07/2017	3
View File				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
522	522	179	179

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Monthly Birthday Celebration, Long Service Award, Marriage Gift, Instant Reward, Maternity Benefit, Mediclaim Insurance, Policy of fee concession for wards of Employees Paternity Leave, Incentive for Higher Education	Monthly Birthday Celebration, Long Service Award, Marriage Gift, Instant Reward, Maternity Benefit, Mediclaim Insurance, Policy of fee concession for wards of Employees Paternity Leave, Incentive for Higher Education	Infirmary Ambulance, Gym Facility, Insurance, Financial Support, Scholarships, Reward Recognitions, Counselling Centre

6.4 – Financial Management and Resource Mobilization

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

Yes, UPES undergoes internal external financial audits every year. While the external audit is mandated under UPES Act 2003, the internal audit is conducted by management to further strengthen the processes procedures. The audits have resulted in establishment of better control mechanisms. We also have a top level Internal Audit Committee to look after and deliberate upon audit reports.

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
none	0	not applicable

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6.4.3 – Total corpus fund generated

866446068.00

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	E Y LLP	Yes	Academic Monitoring Committee
Administrative	Yes	E Y LLP, ISO, OHSAS	No	NA

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

NA

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

In UPES the connect between teachers and parent is quiet strong. It is mandatory for the parents to be with their wards during first registration process to understand the rules and regulations of university and meet respective course coordinators. This is best time to interact with faculty to clarify their doubts related to hostel, medical facilities , sports facilities and even criteria for minimum attendance required for appearing in examination. Some of the department also started to include parents in the what's group to update all the information. Since final year is the most important year for the students, so parents are requested to accompany their ward for the final year registration process. Proper interaction sessions are kept with all the teachers to understand common problems and find out solutions through interaction.

6.5.4 – Development programmes for support staff (at least three)

1. ISO UPES is certified with three major certification viz ISO 9001, ISO 14001 OHSAS 18001. These certifications changed in the year 2015. During External audit of 2018, DNV auditor raised this issue to HR and advised that the staff should be given training on this revised standard. HR identified around 25 staff across the campus. To fulfill the requirement two days certificate training was organized by HR dept. through DNV , New Delhi on " awareness training on ISO 2015 ISO :14001:2015 on 7th 8th May 2018. Program was well appreciated by all the staff faculty members. 2. Training on Health Safety and Environment Department of Health, Safety and Environment organized oneday training program on health, safety environment for non teaching staffs of UPES. Awareness training on topics such as waste management, and impact of plastic pollution on eco system, practical measures one can adopt to mitigate the problem and campus waste management procedures occupational health and safety, fire preparedness were delivered by staffs of HSE department. It also had sessions on on manual handling safety, chemical safety and fire safety and preparedness. The session was followed by practical session on fire fighting. Faculties demonstrated the usage of different types of fire extinguishers. 3. GENDER SENSITIZATION WORKSHOP Gender Sensitization Workshops are conducted to create awareness about gender issues and Sexual Harassment at Workplace Act, 2013. These workshops are conducted at the time of the joining of the new employees i.e. twice during INDUCTION PROGRAM. Workshop are conducted to help

the staff understand - A. Gender relations B. Gender issues and discriminations. C. What is considered sexual harassment at workplace D. Repercussions preventive behaviour. The objective of the workshops is to sensitize the participants on gender issues, gender biases and to help them resolve interpersonal conflicts arising from gender issues and to enable them to act assertively and respond to challenges at workplace.

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

1. Industry Interface - In order to make its curriculum in sync with industrial requirement, the University aims to continuously increase its industry tieups for "CoDesign, CoDeliver, and CoCertify" its various programs. Some of the prominent tieups are IBM Xebia for all Computer Science Engineering programs, LT, Philips Carbon Black, CISCO, MCX, and BSE for some of other Engineering and Management Programs. 2. Accreditation The University already has prestigious programmatic accreditation from IACBE for two of its flagship business program and QS Star rating - 5 stars for Employability and Infrastructure and 4 Star for teaching learning. The University is also ISO certified - ISO 9001:2008 ISO 14001:2004 OHSAS 18001:2007. in the same line, The university is in the process of getting two of its Engineering program accredited through NBA for which the application has already been filed. 3. Research Initiative for Students of Engineering (RISE) -. In order to technically and financially support their new engineering ideas into prototypes, the initiative called 'RISE' has been initiated wherein along with technical and infrastructural support, a financial support of 2025 lakhs per annum is given to interested students who come up with innovative research ideas.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
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
2017	Faculty members and students to increase usage of Blackboard(LMS)	10/10/2017	10/10/2017	09/10/2018	5500
2017	Strengthening of Existing Mentor Mentee System	12/10/2017	12/10/2017	11/10/2018	11800
2017	Increase number of e Database/e Journals subscription	12/09/2017	12/09/2017	11/09/2018	12200
2017	Framework for creating	06/12/2017	06/12/2017	05/06/2018	12300

	vision statement and Strategic Plan				
2018	Organised several faculty development program (FDP) Centre for Advanced Faculty Enrichment (CAFE)	02/04/2018	02/04/2018	31/12/2018	250
2018	Implemented Outcome Based Education across University in all programs	10/01/2018	10/01/2018	31/12/2018	10500
2018	Institutionalize MultiDisciplinary Projects under the umbrella of Research Innovation in Science Engineering Scheme for students	10/02/2018	10/02/2018	31/12/2018	53
2018	Strengthening learning experience of students through online/blended learning	28/06/2018	28/06/2018	31/12/2018	11800
2018	Blooms Taxonomy for Question paper setting to be practiced	28/06/2018	28/06/2018	31/12/2018	11800
No file uploaded.					

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
Coin the Slogan	12/11/2017	12/11/2017	16	12
Criss cross	14/10/2017	14/10/2017	26	8
BTech (Aerospace Engineering) students - UPES Gender Sensitization and Emotional Wellbeing Workshop	29/07/2017	29/07/2017	32	88
BTech (Civil Engineering) Students) UPES Gender Sensitization and Emotional Wellbeing Workshop	01/08/2017	01/08/2017	20	100
BTech (Computer Science & Engineering) students - UPES Gender Sensitization and Emotional Wellbeing Workshop	04/08/2017	04/08/2017	12	108
BTech (Health Safety Engineering) students - UPES Gender Sensitization and Emotional Wellbeing Workshop	03/08/2017	03/08/2017	10	110
BTech (Petroleum) batches - UPES Gender Sensitization and Emotional Wellbeing Workshop	10/08/2017	10/08/2017	46	74
BTechLLB students - UPES Gender Sensitization and Emotional Wellbeing	07/08/2017	07/08/2017	32	88

Workshop				
Click Mania - Photography on Gender Issues	13/11/2017	13/11/2017	8	8
Dubsmash Mania - Dubsmashing Gender Neutrality	16/11/2017	16/11/2017	7	2
Eutopia - Poster Making Competition on Gender Debates	01/09/2017	01/09/2017	14	5
Race to Witch Mountain	31/08/2017	31/08/2017	5	8
Sketch the Mirror - Gender Cooperation	25/08/2017	25/08/2017	8	81
The Exam 3.0	18/10/2017	18/10/2017	16	7
Aapki Kahani Hamari Zubani Narration of Gender Challenges	11/11/2017	11/11/2017	10	16
Adopted Daughters of UPES - promoting education of girl child	08/08/2017	08/08/2017	20	35
Amplify - Gender Sensitivity Quiz	11/11/2017	11/11/2017	15	20
BALLB students - UPES Gender Sensitization and Emotional Wellbeing Workshop	27/07/2017	27/07/2017	55	65
BBA students - UPES Gender Sensitization and Emotional Well being Workshop	25/07/2017	25/07/2017	72	108
BBALLB students - UPES Gender Sensitization and Emotional Wellbeing Workshop	22/07/2017	22/07/2017	93	67
BComLLB	21/07/2017	21/07/2017	22	38

students - UPES Gender Sensitization and Emotional Wellbeing Workshop				
BDes and MDes students - UPES Gender Sensitization and Emotional Well-being Workshop	20/07/2017	20/07/2017	87	93
Brick Race - Supporting the other gender	13/11/2017	13/11/2017	9	14

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
13.74

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0
Any other similar facility	No	0

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	9	93	02/07/2018	12	24 hours Ambulance service and Infirmary with on campus	Unforeseen medical emergencies and health and safety of	800

					doctors	its employees	
2018	9	93	02/07/2018	12	On campus accommodation facility for visitors	Safe and comfortable stay of visitors.	40
2018	9	93	02/07/2018	12	Provision of ATM facilities	To mitigate cash emergency	1400
2018	9	93	02/07/2018	12	Tuckshops	Availability of daily need items on campus.	2000
2018	9	93	02/07/2018	12	Multicuisine Food courts	To provide students with a variety of options in different cuisines.	2500
2018	9	93	02/07/2018	12	Dedicated Base Transceiver Station (BTS)	To address connectivity issues for telephone, mobile phones and other wireless connectivity communication devices.	3000
2018	9	93	02/07/2018	12	Installation of 100Kw Photovoltaic Solar Power plant	Location advantage: Situatedness of university in good weather conditions helps to generate electricity via renewable	2000

						resource ie solar	
2017	9	93	03/07/2017	12	Use of 61500 litre Solar water heater	Locationa l advanta ge: Use of Renewable Energy	1500
2017	9	93	03/07/2017	12	Rain water harvesting	Locationa l advanta ge: Envir onment Climate c onditions	1800

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

Title	Date of publication	Follow up(max 100 words)
Employee Code of Conduct: (UPES Belief Book)	01/07/2017	The UPES Belief Book was introduced as a common platform of what UPES stands for in values, to help bring clarity and understanding of various salient regulatory issues. It serves as a ready reckoner of various policies and regulations unique to the institution. Some of these include Regulations Governing Conduct, Discipline and Appeal, Regulations Governing Grievance Redressal Mechanism for Employees, Guidelines for Employee pursuing Higher Educational Qualification and IT Usage Policy.
Student Code of Conduct : (Student Bulletin)	01/07/2017	The student bulletin is a compilation of all policies, regulations and compliances required for a student in their association with the university. It serves as a handbook significant to student experience in the University. The key highlights include Anti-ragging policy disciplinary Measures, Grievance Redressal Mechanism for Students, Rules for Fees, and Hostel Rules. The

Bulletin is subject to revision every academic cycle.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Doctors Day	01/07/2017	01/07/2017	25
World Mental Health Day	10/10/2017	10/10/2017	50
Independence Day	15/08/2017	15/08/2017	2300
Zashn e Azadi	11/08/2017	11/08/2017	1500
Hindi Diwas	14/09/2017	14/09/2017	100
Environment Day/ Ozone day	01/09/2017	01/09/2017	1000
Teachers Day	05/09/2017	05/09/2017	2300
Engineers Day	16/09/2017	16/09/2017	4168
Swachh Pakhwara	01/09/2017	15/09/2017	2500
Gandhi Jayanti	02/10/2017	02/10/2017	2300
Road Safety Anti Substance Awareness	01/07/2017	30/06/2018	3000
Sports Activities(outdoor and indoor games)	01/07/2017	30/06/2018	4000
National Ekta Diwas	31/10/2017	31/10/2017	200
Republic Day Celebration	26/01/2018	26/01/2018	300
Yoga Session	26/01/2018	26/01/2018	90
Women Empowerment Sensitization	09/02/2018	04/04/2018	20
World Cancer Day	04/02/2018	04/02/2018	2500
International Mother Tongue Day	22/02/2018	22/02/2018	2459
Annual Voluntary Blood Donation day	16/04/2018	20/04/2018	2516
SADAQAH: A donation Drive	03/02/2018	03/02/2018	25
Anti Substance Abuse Awareness Campaign	03/02/2018	03/02/2018	15
Dr Ambedkar Jayanti Celebration	13/04/2017	23/04/2017	80

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

Initiative for ISO 14001 Certification (EMS - Environment Management system)
Pioneer in installing online ground water monitoring system through use of
Piezometer

Zero discharge policy with 100 percent recycling of waste water in sewage treatment plant with 550 kiloliter per day capacity as recommended by the Central Pollution Control Board of India.

Decrease in energy consumption by Installation of energy efficient equipments.

Renewable energy usage by use of Photovoltaic solar power plant and solar water heating.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

A. Hybrid, Blended and Online (HBO) Education

1. Title of the Practice Hybrid, Blended and Online (HBO) Education and the Millennial Student
2. Objectives of the Practice The key objective is providing 24x7 access to students whenever, wherever and in the manner, they deem best to learn. UPES believes in offering a unique stateofheart, cutting edge digital student experience that ensures a best learning outcomes to our students. focused on student engagement and success.
3. The Context There is an increasing recognition that hybrid, blended and online access of various subjects for the students is an important part of modern educational requirement. In the University of Future, most courses will be online and delivered to optimize learning experience.The learning needs of the millennial student are very different. To cater to these needs, it was necessary to selfdisrupt traditional way of teaching and learning and to introduce more hybrid and blended pedagogical elements into academic design and delivery.
4. The Practice To serve as the backbone for entire initiative mobile enabled digital learning collaboration platform was conceived and implemented. Several computing labs that used to be traditionally held in physical spaces were virtualized on the cloud - giving students access on their own device 24x7. Interactive digital textbooks containing embedded animations, builtin interactive simulators and autogenerated and autograded learning questions were introduced to students. Innovative faculty were identified as champions and trained in detail in a formal certification process. Once certified, they became champions in their own departments and encouraged other faculty members to start imbibing this methodology into their delivery. They were also trained in tools for content creation like Articulate Storyline, Raptivity. Created content was then put into the LMS as part of esupported, blended or hybrid courses. Faculty one on one sessions were also held on regular basis where faculty could come and clarify their doubts/get hands on training on specific tools.
5. Evidence of Success The success story is evident from the statistics on adoption and propagation of HBO across the University Schools. Other, equally important outcomes include: a. Providing students with employable digital skills in preparation for entering the global workforce b. Efficiently managing capitalized infrastructure investments, reducing expenses and achieving excellence at scale c. Enabling the institution's commitment to provide a highquality, differentiated experience for students
6. Problems Encountered and Resources Required The fundamental challenge was change management - where teachers who had in some cases never been exposed to these methods, had to learn them and integrate it with their own teaching methodologies. At the same time, making the entire exercise selfsustaining was the key and to do the same, a conscious cultural shift was introduced. Resources required to implement this practice were: a. An open mind and willingness to change b. Requisite software platforms (including open source) c. Adequate training and enabling of internal faculty d. A conducive environment for culture change e. Appropriate instructional design and content (media) resources f. Appropriate endpoint devices with adequate bandwidth/connectivity

b. ABHIGYAT

1. Title of the Practice Abhigyat - the faculty internship program that effectively bridges gap between theory and practice and thereby enhances classroom delivery
2. Objectives of the Practice

Abhigyat is an industry internship for faculty in their area of interest. During the internship, practical exposure with daytoday working of the industry on a specific project enhances the faculty's knowledge of the area while bridging theory with current practical insights. Such augmented knowledge, helps them to supplement their lectures with topical issues and industry solutions enhancing student learning experience. 3. The Context The framework of this practice revolves around first hand appraisal of working of the industry by faculty so that it enhances their domainknowledge and keep them uptodate. 4. The Practice Abhigyat in duration can range from a week to a month or longer based on the need. The institution absorbs the cost of travel, accommodation and provides leave from duty to attend the internship. The need for such internship is identified at many levels. Firstly, the faculty sees value in the internship since it will help supplement their lectures with industry relevant examples as well as enable them to gain authority on what they teach students. The faculty notifies both the department and the placement/career service team on the need of such internship. Thereafter, the HoD (s) in consultation with Director/Dean identifies several areas in which the department and even school requires faculty internships based on the feedback received from the industry about students' employability. The department does the scheduling of the faculty's classes while the department of finance and administration facilitates the faculty's travel, boarding lodging. During the internship, it is often the case that faculty is encouraged to choose an industry mentor. Post the internship, faculty are required to submit a report on the internship as well as make a presentation to their respective departments on the key learnings. 5 Evidence of Success Since its inception in the year 201213, more than 200 faculty have participated in the Abhigyat internships. Since the inception of the program, the number of 'skilled enough' students for the domain industries has been on the rise and increasing the students' learning curve. Through Abhigyat UPES has been creating a highly skilled and specialized faculty who are abreast with the latest in their respective domains 6. Problems Encountered and Resources Required A few of the challenging issues that needed to be addressed in the designing and implementation of this practice were as follows: 1. Identifying faculty who needs industry internship 2. Identifying the industry within the domains of energy, infrastructure and transportation that is most suitable for respective faculty 3. For an academic institution, the main challenge was rescheduling the classes of the faculty who is identified to undergo internship 4. Ensuring that the knowledge augmentation of the faculty undergoing internship is disseminated among the fellow colleagues in the department.

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

<https://www.upes.ac.in>

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

UPES was born out of the visionary thinking of industry experts and educationists, who came together, identified the demandsupply' gap of skilled professionals, existing in the Energy, Infrastructure and Transportation sectors, and visualized 'IndustryAcademia' interaction as its vision, priority, and thrust. Flagship programs of UPES at undergraduate and postgraduate levels have fetched it a tremendous value, with students accepted by the industry, enabling UPES to stand distinct amongst its contemporaries. Industry majors such as Shell, Cairn Energy, IBM, Xebia, BSE, LT, CIMA have been strongly associated with academic programs of UPES, in various capacities, codesigning, codeveloping and codelivering these programs, providing opportunities for

students for internships and placements, offering exposure to hoard of industryspecific technologies for guest lectures, research projects and collaborative events, contests and other activities. Some of the other such knowledge exchange partnerships across the various departments and colleges of the university are Phillip Carbon for Chemical Engineering Program, L T for Civil engineering Program, Centre of Excellence' for 'Training and Research in Automation Technology Centre' in association with Bosch, CIMA (Chartered Institute for Management Accountants) for BBA, AIS programs, Autodesk for B.Des and M.Des programs. Another significant collaboration is with NITI Aayog, GOI, for designing, developing and conducting consultative policy dialogue and business research to promote and enable highlevel energyefficiency policy formulation in India. UPES with its distinct industry tieups, stateofart partnerships has made rapid progress witnessed with high acclaim honors and awards. Our made notable achievements marked by winning national, International competitions and various contests of the global ranking. UPES reinforces industryacademia ties and delivers on its commitment, are some of the distinct features that are in practice until date. These are listed below: • Academic Council • IndustryAcademia RD Meet • Distinguished Lecture Series • Learning with the Leaders • Abhigyaat - Faculty Internships • HR Round Tables Academic Council: For all curricular revisions and amendments, approval of academic council is essential. About 50 of the members of the Academic Council are senior industry personnel who provide critical input with regard to programs and teaching methodologies, contributing to strengthening the programs. IndustryAcademia RD Meet: Interactions are interfaced periodically, with industry majors to understand the scope of 'problem-solving' endeavours through research based projects, guided by industry experts, encouraging budding scientists, both student, and faculty. Distinguished Lecture Series: Eminent experts from industry are invited to share their experiences with students, who may extend this interaction, leading to the creation of a huge scope for possible internships. Learning with Leaders: Lectures by renowned personalities/professors in their field of expertise are organized. The program drives intellectual exchange between experts and array of students and faculty. Abhigyaat: UPES distinguishes itself from other Universities for encouraging its faculty to undertake industry internships in their specific domain and stay ahead with the cuttingedge latest trends and best practices in their chosen fields. HR Round Tables - The Round Tables are held in the domains of Aerospace, Automotive, Business Analytics, Design, IT, Power, Law, Oil Gas.

Provide the weblink of the institution

<https://www.upes.ac.in>

8.Future Plans of Actions for Next Academic Year

1. Curricular Aspects: i) Review existing feedback mechanism from various stakeholders and its relevance for curriculum enrichment. ii) To implement OBE across all programmes of University. 2. Teaching Learning Evaluation i) Technological intervention to enhance student learning i.e. simulation, animation, VR/AR ii) Reviewing students' experience on blended/online learning and strengthening it further. iii) Identifying and implementing Innovative ways of Internal Assessment/Mid semester exams to analyze critical thinking. 3. Research, Innovations an Extension i) To look at the possibilities of getting Govt. funding for Innovation center like Atal Innovation Mission. ii) To review the process of project proposal research paper submission. iii) To identify the focus areas and strategic plan for enhancing consultancy and outreach efforts. iv) To look at the possibilities and efficacy of focused extension activities in line with priorities of state government. v) To look at the possibilities of displaying some of students' work being used at different physical location in campus (Solar Tree, Solar Powered Mobile Laptop charger stations and Battery operated bicycles and sitting benches etc.). 4. Infrastructure and Learning

Resources i) Review and upgrade existing technology support for student life cycle management i.e. time tabling, attendance, online registration, fee payment, communication, exam, evaluation. ii) Review and upgrade existing IT infrastructure iii) Review the utilization of ebooks, journals, magazines, etc. and plan for next year requirements. Student Support and Progression i) To review feasibility relevance of coaching i.e. providing professional support to students for CAT/GRE/GATE coaching. ii) To plan out yearly working schedule for enhancing alumni engagement. iii) Explore the relevance of the school/batchspecific alumni engagement plan. 6. Governance, Leadership and Management i) To workout leadership development plan at different levels. ii) To identify faculty development program and reviewing existing faculty development plan like CAFÉ iii) To review various academic and administrative systems and processes to enhance autonomy at appropriate level. 7. Any other point as emerged from time to time.