

**The Annual Quality Assurance Report (AQAR) of the IQAC  
(For the period July 2017-2018)**

**Part – A**

**1. Details of the Institution**

1.1 Name of the Institution

Graphic Era Deemed to be University, Dehradun

1.2 Address Line 1

566/6, Bell Road

Address Line 2

Clement Town

City/Town

Dehradun

State

Uttarakhand

Pin Code

248002

Institution e-mail address

vicechancellor@geu.ac.in

Contact Nos.

+91-135-2643421, 2642727

Name of the Head of the Institution:

Prof (Dr.) L M S Palni

Tel. No. with STD Code:

+91-135-2643421

Mobile:

+91-8475996514, +91-9910040333

Name of the IQAC Co-ordinator:

Prof (Dr.) Pravin Patil

Mobile:

09760010201

IQAC e-mail address:

dr.patil@geu.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 18879)

UAUNGN 11461

1.4 NAAC Executive Committee No. & Date:

EC/71/A&A/251 dated Nov 16, 2015

1.5 Website address:

www.geu.ac.in

Web-link of the AQAR:

<https://www.geu.ac.in/content/geu/en/iqac/Reports.html>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.23	Nov 2015	5 yrs upto Nov. 15, 2020
2	2 <sup>nd</sup> Cycle	-	-	-	-
3	3 <sup>rd</sup> Cycle	-	-	-	-
4	4 <sup>th</sup> Cycle	-	-	-	-

1.7 Date of Establishment of IQAC:

09-04-2014

1.8 AQAR for the year

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- AQAR 2015-16 submitted to NAAC on 23-02-2017
- AQAR 2016-17 submitted to NAAC on 08-05-2018

1.10 Institutional Status

University                      State ☐ Central ☐ Deemed ☒ Private ☒

Affiliated College              Yes ☐ No ☒

Constituent College            Yes ☐ No ☒

Autonomous college of UGC    Yes ☐ No ☒

Regulatory Agency approved Institution    Yes ☒ No ☐

UGC (university under Section 3 of UGC Act 1956)

Type of Institution	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input type="checkbox"/>
	Urban	<input checked="" type="checkbox"/>	Rural	<input type="checkbox"/>	Tribal	<input type="checkbox"/>
Financial Status	Grant-in-aid	<input type="checkbox"/>	UGC 2(f)	<input type="checkbox"/>	UGC 12B	<input type="checkbox"/>
	Grant-in-aid + Self Financing	<input type="checkbox"/>	Totally Self-financing	<input checked="" type="checkbox"/>		

#### 1.11 Type of Faculty/Programme

Arts	<input checked="" type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input checked="" type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phys Edu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input checked="" type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input checked="" type="checkbox"/>		
Others (Specify)	. Biotechnology, Life Sciences								

#### 1.12 Name of the Affiliating University (*for the Colleges*)

*Not Applicable*

#### 1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

*Not Applicable*

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

DST-TBI  
UCOST- STEP

UGC-COP Programmes

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	8
2.2 No. of Administrative/Technical staff	2
2.3 No. of students	3
2.4 No. of Management representatives	1
2.5 No. of Alumni	2
2.6 No. of any other stakeholder and community representatives	1
2.7 No. of Employers/ Industrialists	1
2.8 No. of other External Experts	2
2.9 Total No. of members	20
2.10 No. of IQAC meetings held	01

2.11 No. of meetings with various stakeholders:	Students	4	Faculty	4
	Non-Teaching Staff	4	Alumni	3
			Others	2

2.12 Has IQAC received any funding from UGC during the year? Yes ☐ No ☒

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.	43	International	2	National	7	State	15	Institution Level	19
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(ii) Themes

River Training Techniques: Fundamentals, Design And Applications, Geospatial Technology And Applications, Role Of Civil Engineers In Wildlife Conservation, Conservation Of Biological Resources (Under Biological Diversity Act, 2002), Some Thoughts On Sustainability Of Agriculture, Natural Resource Management And Environmental Protection, Crisp-Cas9 Gene Editing Technology In Neurological Disease, Nuclear Power Plant Operations & Safety Issues Related To Nuclear Energy, Evolution of LTE, Energy & Environment Problem Facing The 3rd World & There Probable Solution For Sustainable Development & Poverty Alleviation, Mathematical Prospective Of Control Theory, An Introduction To Information & Communication Technology, Microwave Communication, Semiconductor Device Modeling, Microelectronics And VLSI Design, Matlab Essentials For Communication & Speech Processing, Sensenuts Simulator For Wireless Sensor Networks, Future Power Systems: Adapting To New Challenges, FICE-Intel IoT, Recent Innovations In Electrical, Electronics And Communication Systems, Energy & Environment Problems Facing The 3rd World And Their Probable Solutions For Sustainable Development And Poverty Alleviation, Mathematical Perspective Of Control Theory, Future Power Systems: Adapting To New Challenges, Atmospheric Bio aerosols In The Earth System: Climate And Ecosystem Interaction In Indian Perspective, Nonlinear Functional Analysis And Its Applications, Stress Management, Mind Body Relationship, Special Children And Their Food, Team Management Training, Emotional Intelligence, Program And Outcome Based Education, State Vendor Development Programme, Higher Education Opportunities', Soft Skills, Tally, Financial Literacy, Communication Based On Dalecarnegie, Personal Effectiveness: The Road Ahead', Origami, Youth And Empowerment Skill, Role Of Aptitude And Attitude In Competitive Exams, Profile Building

2.14 Significant Activities and contributions made by IQAC

- Long term perspective and growth strategy/plan
- ICT enabled teaching/ learning
- Introduction of skill based job oriented course.
- Quality research output from UG/PG & PhD research scholar as well as from faculties.
- Enhancement of university society linkages through extension activities.
- Plan for regular academic audit
- Tap potential of alumni
- Counselling of students
- Motivation for healthy living and ethics
- Submission of research proposals to various funding agencies
- Motivation for innovation and encouragement for IPR, the policy for which be formulated
- E -governance initiatives
- Increase of hostel accommodation and transport facilities for students
- Improvement in transport facility
- Strengthen Industry university partnership
- Optimal utilisation of infrastructure for students
- Sensitisation of quality in education through seminar, workshop, FDP etc.

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

PLAN OF ACTION	ACHIEVEMENTS
To Boost research activities in terms of paper publication, research project submission and consultancy services	Research paper Published : 312 (Scopus indexed: 134+) Research project submitted : 06 (262 Lakhs) Research project granted : 04 (Approx 261 Lakhs) Research consultancy services granted : 8 (Approx 124 Lakhs) Number of Ph.D degrees awarded-13
To Organize workshops/invited talks/seminars	43 Conference/ workshops / invited talks / seminars were organized on following topics in various deptt. (for sample of themes pl refer point no 2.13)
To Encourage students to participate in international programs in order to introduce a global setting in management education (Value added programme).	Active participation of students in research & design competitions at National & International level is also encouraged. Faculty members are encouraged to submit research proposal to external funding agencies. The students are also involved in research projects. Findings of the projects are published in conferences/journals. Students are motivated to participate in such programs. In fact various students undergone summer school with the foreign Universities at international level.
To provide opportunity to students to listen industry leaders and experts in order to lend a practical and relevant focus to their education (Skill development programme).	Students are provided with an opportunity to listen to talks given by several industry experts.
To encourage our faculty members to participate in research conferences, seminars and Faculty Development Programs;	95 Faculties have been benefitted.
To ensure that all the faculty members teaching different courses submit their course outlines which should have clearly laid out course objectives and evaluation criteria;	All the course outlines were monitored. They were submitted in time with clearly laid out course objectives and evaluation criteria.
It was suggested that all the full time faculty members teaching courses allocate at least one hour per week outside regular class hours for interaction with the students. This should be mentioned clearly in the course outline;	The suggestion was implemented by all the faculty members.
Extension Activities	Blood donation camps held, students actively participated in relief camp of Forest fire protection, Swachh Bharat etc.

*\* Attach the Academic Calendar of the year as Annexure. See Annexure I*

2.15 Whether the AQAR was placed in statutory body      Yes ☒      No ☐

Management ☒      Syndicate ☐      Any other body ☐      Academic Council ☐

Provide the details of the action taken

AQAR was placed in academic council of the university. The recommendations on it were then placed before BOM for consideration of approval. BOM approved the AQAR.

## Criterion – I

### 1. Curricular Aspects

#### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	13	2	All	All
PG	10	1	All	All
UG	15	4	All	All
PG Diploma				
Advanced Diploma				
Diploma		1	All	All
Certificate	1			
Others				
<b>Total</b>	39	8	All	All
Interdisciplinary	ALL*			
Innovative	6**			

\*On basis of certain courses shared from other disciplines in each programme.

\*\* Cloud Computing; Machine Learning and AI; Data Science and AI; Information Security

#### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	47 (Diploma, UG, PG and PhD)
Trimester	None
Annual	None

1.3 Feedback from stakeholders\* Alumni ☐ Parents ☐ Employers ☐ Students ☐  
(On all aspects)

Mode of feedback : Online ☐ Manual ☐ Co-operating schools (for PEI) ☐

*\*Please provide an analysis of the feedback in the Annexure – See Annexure II*

#### 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes, in most programmes structure and curriculum were reviewed and revised to include thrust areas, remove obsolescence and also to make the curriculum more relevant to industry requirements. Minor changes were incorporated in various courses like change of paper code, shifting of courses and their codes, modification/revision of syllabi, etc. A few new and innovative programmes were also introduced.

#### 1.5 Any new Department/Centre introduced during the year. If yes, give details.

NIL

## Criterion – II

### 2. Teaching, Learning and Evaluation

#### 2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
364	252	55	36	21

#### 2.2 No. of permanent faculty with Ph.D.

120
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#### 2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
49	-	02	-	06	-	11	-	68	-

#### 2.4 No. of Guest and Visiting faculty and Temporary faculty

02
----

07
----

00
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#### 2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	48	41	14
Presented papers	35	27	04
Resource Persons	12	11	2

#### 2.6 Innovative processes adopted by the institution in Teaching and Learning:

**Academic Calendar** the Department follows the university calendar which consists of details such as Duration of instructions, Schedule of Mid Semester Examinations, Schedule of End Semester Examinations and Holidays. Various departmental activities that are planned to be organized are scheduled well in advance based on the Academic Calendar of the university before communicating to the students. University calendar is uploaded on LMS and university website.

**Maintenance of Course files:** For each course, a course file is prepared by the concerned faculty. Teaching plans for each course are prepared by the faculty. The course objectives are defined for each course in line with the POs. The lesson plan encompasses the learning outcomes and the assessment of outcomes. Question banks are prepared for each topic in the course based on the course objectives and considering the nature of the university question papers. The previous question papers of University are also maintained in the course files. ISO Audit Members monitors the maintenance of course files and class deliveries.

**Pedagogical initiatives** The faculty members make extensive use of ICT facilities for teaching and demonstration. Students are encouraged to develop skills individually as well as in groups to promote collaborative learning. Industrial experts and academicians are frequently invited to deliver lectures on recent trends in science and technology. Motivating the students by helping them to improve their personal management skills like communication, creativity, and critical thinking. Using NPTEL/SWAYAM videos and Open source course materials for improved and effective delivery of course contents. Course handout are prepared for each course comprising of Perquisite, Syllabus, Teaching Plan, COs, POs, PSOs, etc., by the faculty members and distributed among the students. Also, course hand-out is displayed on LMS and departmental web site. In addition, for developing better practical experiences among the students, the following courses have been incorporated in the curriculum:

- ✚ Mini-project in 3rd /4th /5th and 6th semester
- ✚ Industrial seminar in 7th semester
- ✚ Projects in 7th and 8th semesters

#### **Initiatives to Support Weak Students and Encourage Bright Students, Identify weak students**

- ✚ Slow learners are identified, based on their performance in mid-term, end-term examinations, seminar, assignments, quizzes, etc.
- ✚ Assisting weak students
- ✚ Remedial classes are conducted to assist weak students
- ✚ Faculty members are always available for mentoring students in their area of weakness.
- ✚ The faculty member organizes tutorial classes to provide individual attention to all such students.
- ✚ Library and computer center timings are extended to support student learning
- ✚ Identify bright student'sBright students are identified, based on their performance in mid-term, end-term examinations, seminar, assignments, quizzes, etc.
- ✚ Encouraging bright students
- ✚ They are encouraged to carry out innovative experiments.
- ✚ The faculty members encourage such students to participate in research activities.
- ✚ They are motivated to attend conferences, internships, workshops, seminars, etc.
- ✚ Library and computer center timings are extended to support student learning

#### **Quality of classroom teaching:**

- ✚ Faculty members utilize ICT facilities for quality instructional service delivery in addition to board teaching.
- ✚ Faculty members are taking advantage of sources, such as, National Programme on Technology Enhanced Learning (NPTEL), Internet sources for the effective teaching.
- ✚ Faculty members make use of sources, such as journals, Internet sources, for effective teaching.

- ✚ The students are motivated to read quality journals papers to remain in tune with recent technological advancement.
- ✚ In addition to these processes the following training programs are offered, by the Training & Placement cell and department, to help the students to face competitive examinations/ higher studies as well as placements confidently:
  - ✚ Quantitative Aptitude & Logical Reasoning
  - ✚ Functional English
  - ✚ Group Discussions
  - ✚ Interview skills
  - ✚ Computer languages
  - ✚ GATE, Spoken Tutorials etc.
  - ✚ Conduct of Experiments
- ✚ Faculty members of respective specialization form a group with a team leader to discuss the preparation/ updating of Laboratory Manual before commencement of semester.
- ✚ The Course Laboratories are conducted in session of 3 hours, in each session the faculty explains the logic/concept and design/ algorithm of the experiment.
- ✚ The students will write the complete program concerned in the record copy/book, and then code/debug/execute the program on the system and interpret the results.
- ✚ The executed program with output, related theory and Algorithm or flowchart is documented in the record book by the students later which is evaluated in the next session of the Laboratories.
- ✚ In each course many students are made to work on number of additional programs for the better understanding of the subject.
- ✚ Viva is conducted by the concerned faculty in every session of the Laboratories.

**Continuous Assessment in laboratory:** Continuous assessment of the students is performed by the faculty members in each laboratory session. In addition to this, Laboratories are evaluated by the faculties in the mid semester examination and by external examiners in the end semester examination based on their performance during the semester, attendance, internal test and record submission.

**Student feedback of teaching learning process and actions taken:** At the end of the semester, all the students are required to fill a feedback-form apprising the faculty using a scale from 1 (low) to 5 (high).

- ✚ Lecture/Laboratory classes are monitored by the Head of the Department. He gives constructive comments to improve the quality of teaching and the teaching-learning process. HOD motivates the faculty members, who have secured low scores and negative comments, in the feedback.
- ✚ If required, training / orientation programmers are conducted by professional experts to enhance the skills of faculty members in the nuances of teaching, thus improving the efficiency of teaching-learning process.

2.7 Total No. of actual teaching days during this academic year 180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

i. Bar Coding of Answer books

ii. Evaluation of Answer books with checks

iii. Multiple Choice Questions also (both Online / Offline)

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

252

55

36

2.10 Average percentage of attendance of students 75

2.11 Course/Programme wise distribution of pass percentage:

SN	UG / PG	PROGRAMME	Total Appeared Students	Total Number of Passed Students	Total number of students passed with >7.5 CGPA	PASSED WITH >6.0 CGPA	PASSED WITH >5.0 CGPA	FAIL	OVERALL % PASS
1	UG	BTECH(AME)	21	10	4	6	0	11	47.62
2	UG	BTECH(CE)	104	63	30	33	0	41	60.58
3	UG	BTECH(CS)	226	197	155	42	0	29	87.17
4	UG	BTECH(IT)	48	31	11	20	0	17	64.58
5	UG	BTECH(ECE)	48	40	16	24	0	8	83.33
6	UG	BTECH(EN)	23	19	7	12	0	4	82.61
7	UG	BTECH(ME)	136	106	60	46	0	30	77.94
8	UG	BTECH(PE)	50	38	26	12	0	12	76.00
9	UG	BTECH(BT)	36	26	21	5	0	10	72.22
10	UG	BCA	81	63	44	19	0	18	77.78
11	UG	BCOM(H)	189	159	50	103	6	30	84.13
12	UG	BBA	155	116	52	63	1	39	74.84
13	PG	MSC (Microbiology)	21	17	15	2	0	4	80.95
14	PG	MSC(IT)	9	5	5	0	0	4	55.56
15	PG	MSC(BT)	32	31	31	0	0	1	96.88
16	PG	MBA	124	112	71	40	1	12	90.32
17	PG	MCA	69	63	54	9	0	6	91.30
18	PG	MTECH	54	49	43	5	0	5	90.74

## **2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:**

1. IQAC assesses the curricula on periodic basis through feedback from students, faculty, alumni, domain experts from industries, R&D organizations, Institutions of excellence (IIT, NIT, and Universities etc)
2. With these inputs, the curriculum is designed and placed in Board of Studies (BOS) of various departments, which consist of faculty & outside experts
3. The following aspects are ensured by the IQAC at the time of curriculum design and development

### **Employability:**

- i. Regular upgradation of curriculum and course delivery by taking feedback from recruiters and thereby fulfilling industry needs.
- ii. Designing specialized and interdisciplinary courses, incorporating industry needs.
- iii. Design & development of good quality projects, internship and problem oriented projects/dissertations by student's applied aspects of their technical study.
- iv. Hands on experience and industrial exposures on one hand and training through soft skills on other.

### **Innovation:**

- i. Students at all levels are provided with various opportunities to implement innovative ideas via internships, course related projects, participation in various competitions at National & International level, research projects, dissertations, online courses etc.
- ii. Seed money is also provided to the faculty and students for innovative projects.
- iii. Faculty and Students are encouraged to file patents.
- iv. Value added experiments in labs.
- v. Using e-learning resources like NPTEL lectures, acquiring additional knowledge through E-lab software tools from IIT-Bombay.

### **Research**

- i. Feedback from industries and R & D organization in curriculum development has promoted research and development activities in University resulting in various publications by faculty and students in peer reviewed journals and Proceedings of National & International Conferences.
- ii. Active participation of students in research & design competitions at National & International level.

- iii. Faculty members are encouraged to submit research proposal to external funding agencies. The students are also involved in research projects. Findings of the projects are published in conferences/journals.
- iv. Students present seminar on innovative topics as a part of the curriculum.
- v. Major & minor projects on emerging areas and real time applications at

#### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	29
UGC – Faculty Improvement Programme	14
HRD programmes	12
Orientation programmes	9
Faculty exchange programme	4
Staff training conducted by the university	48
Staff training conducted by other institutions	74
Summer / Winter schools, Workshops, etc.	35
Others	27

#### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	158	-	16	00
Technical Staff	116	-	07	00

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Setting up a departmental DRCs, streamlining the administrative procedures for using funds, recruiting staff, preparing utilization certificates, providing seed money, incentives and awards for both

#### 3.2 Details regarding major projects (In lakhs)

	Completed	Ongoing	Sanctioned	Submitted
Number	5	4	4	6
Outlay in Rs. Lakhs	47.02	633	261	262

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	1		
Outlay in Rs. Lakhs	4.00	3.59		

#### 3.4 Details on research publications

	International	National
Peer Review Journals	172	23
Conference proceedings	74	43

#### 3.5 Details on Impact factor of publications:

Range .01-20 Average 1.25 h-index 19 Nos. in SCOPUS 134

#### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned (Lakhs)	Received
Major projects	2017-18	Science and engineering research board, Uttarakhand State council of science and technology, application center, ISRO Ahmedabad Space, DST-CERI,DST, UCB, TTL	633	194

Minor Projects	2017-18	UCOST, USERC etc	3.59	3.59
Interdisciplinary Projects	2017-18	TTL- GEU	671	421
Industry sponsored	2017-18	Haldiram Snacks, TCS, EQMS Pvt Ltd, Sawaria Sweets, Haldiram Mfg etc	124	119
Projects sponsored by the University/ College	2017-18	GEU	890	618.09
Students research projects ( <i>other than compulsory by the University</i> )	2017-18	GEU	10.96	10.96
Any other(Specify)	-	-	-	-

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges

Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

11884067

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	4	3	1	1	-
Sponsoring agencies	DST/UCOST/CSIR/DRDO	DST/UCOST	DST/UCOST	GEU	

3.12 No. of faculty served as experts, chairpersons or resource persons

24

3.13 No. of collaborations

International

2

National

2

Any other

6

3.14 No. of linkages created during this year

5

3.15 Total budget for research for current year in lakhs :

From Funding agency

260

From Management of University/College

740

Total

100

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	3
	Granted	
International	Applied	
	Granted	
Commercialized	Applied	
	Granted	

3.17 No. of research awards/ recognitions received by faculty and research fellows  
Of the institute in the year

Total	International	National	State	University	Dist	College
21	2	1	1	17	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides

64

and students registered under them

98

3.19 No. of Ph.D. awarded by Deptt. From the Institution

13

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF

1

SRF

Project Fellows

1

Any other

4

3.21 No. of students Participated in NSS events:

University level

206

State level

206

National level

4

International level

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3.22 No. of students participated in NCC events:

University level	105	State level	20
National level		International level	

3.23 No. of Awards won in NSS:

University level	167	State level	22
National level		International level	

3.24 No. of Awards won in NCC:

University level	35	State level	08
National level	05	International level	

3.25 No. of Extension activities organized

University forum	24	College forum	
NCC	21	NSS	17
		Any other	

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Active participation in Swachh Bharat Abhiyan (six SBAs in association with SOI, UK police)
- Blood donation camps in University campus (Total 2792 units donated by students, faculty, staff)
- Awareness drives (National Unity run, National Integration drive, etc)
- Students leading NGOs for social welfare (Pratistha, Apne sapne for orphan and poor children)
- GEU is a government recognized nodal centre for promoting entrepreneurship in Uttarakhand for actively contributing to Make-In-India and Skill India Missions
- Adopted a village Dhoolkot
- Health care and plantation drive. More than 700 plantations done in association with Dehradun Police and Forest Research Institute
- Swachata Abhiyan in and around university campus.
- Motivational workshop (with Nukkad Nataks, videos, etc) on drug abuse and other social evils, in association with Uttarakhand Police
- Counselling to students, faculty and parents through spiritual and cultural programmes

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	25 acre	--	GEU	25 acre
Class rooms	70	11	GEU	81
Laboratories	88	14	GEU & Funding Agency	102
Seminar Halls	06	04	GEU	10
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	316	15	GEU & Funds received from others	331
Value of the equipment purchased during the year (Rs. in Lakhs)	4795.55	807.22	GEU & Funds received from others	5602.77
Others	-	-	-	-

#### 4.2 Computerization of administration and library

The admin office and Library are fully computerized.

#### 4.3 Library services:

Item	Existing Library		Newly added		Total	
	No.	Value (Lakhs)	No.	Value (Lakhs)	No.	Value (Lakhs)
Text Books	120132	1080.71	5366	72.18	125498	1152.89
Reference e-Books	11442		270		11712	
Journals	301		115		416	
e-Journals	4453		4453		4453	
Digital Database	140		2		142	
CD & Video	1015		0		1015	
Others -Software (TURNITIN-100USER)	2		1		3	

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	2146	27	1 GBPS(BSNL) 55 Mbps(Tata)	3	2	1	200	241
Added	1	5	Nil	Nil	Nil	Nil	Nil	Nil
Low configuration	-60	-	-	-	-	-	-	-
Total	2087	32	1 GBPS(BSNL) 55 Mbps(Tata)	3	2	1	200	241

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Computer facility is available in the department for all students and staff.

- Internet Facility is available in the department for all students and staff.
- MATLAB facility is available in the department for all students and staff
- Round the clock internet available through Wi-Fi
- Regular workshops for learning new technologies

#### 4.6 Amount spent on maintenance in lakhs :

Facility	Amount (in lakhs)
ICT	135
Campus Infrastructure and facilities	
Equipment	
Others	
Total	135

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

There are committees and cells formed at university and departmental level, to look after the student support services:

Some of the important areas are:

- PAQIC, in each department
- Academic awareness committee formed for the awareness amongst students through online courses offered by NPTEL and various universities.
- Grievance Cell
- NSS
- Class coordinators and mentoring committee
- Counselling
- Disciplines
- Welfare

The IQAC monitors various department head to undertake programs related to student's support. These include display and dissemination of various departmental activities on the department notice boards and website

#### 5.2 Efforts made by the institution for tracking the progression

The various academic departments of the University have been entrusted with the task of tracking the progression of the students and this is effectively done by the help of class coordinators and mentors.

#### 5.3

(a) Total Number of students	UG	PG	Ph. D.	Others	Total
	4773	805	103	--	5681
(b) No. of students outside the state	2733	477	59	--	3269
(c) No. of international students	22	6	--	--	28

Men	UG	PG	Ph.D.	Others	%	Women	UG	PG	Ph.D.	Others	%
	3347	454	54	--	67.85		1426	351	49	--	32.15

Year (2016 – 17)						Year (2017– 18)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1567	19	14	156	Nil	1756	1597	6	13	91	--	1707

Demand ratio 1:3

Dropout %: < 3.4 %

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any) HOD, placement cell, PDP

Through well establishment placement cell, PDP and faculty and outside experts support is provided to the students in following ways

- Prepare students for placement through general and technical classes and train them through mock interviews.
- Help prepare students for higher studies in India and abroad
- Special classes are organized for providing support to the students who are appearing for Competitive Exams (such as: GATE/NET/CAT etc.)
- Career Excellence classes are held to aid students for quality placements and competitive examinations

<b>No. of students beneficiaries</b>	<p>All final year students of UG and PG program have been benefitted through</p> <ul style="list-style-type: none"> <li>❖ Employment <ul style="list-style-type: none"> <li>• On campus placements</li> <li>• Off campus placements</li> </ul> </li> <li>❖ Higher studies</li> <li>❖ Self employment</li> </ul>
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#### 5.5 No. of students qualified in these examinations

Exam	UGC - NET	SET/SLET	GATE	CAT	IAS/IPS etc	State PSC	UPSC	Others
<b>Students Benefitted</b>	02	04	58	2	1	1	-	84

#### 5.6 Details of student counseling and career guidance

- The counseling and career guidance is provided to all students through Counselor, Class coordinators and Mentors.

<b>No. of students benefitted</b>	All the students of UG and PG program have been benefitted though counseling and career guidance
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#### 5.7 Details of campus placement

On campus		Off Campus	
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
118	991	629	170

### 5.8 Details of gender sensitization programmes

Gender sensitization committee is formulated in the university under NSS, NCC and inters sports, culture etc activities. Two committees viz. **Women Grievances redressal Cell** and **Women Task Force** are formulated to take care of issues if any. In addition women faculty/students are always involves in all activities at this university.

### 5.9 Students Activities

#### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

#### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount in lakhs
Financial support from institution	1825	119.9
Financial support from government	307	Directly deposited to students account
Financial support from other sources	50	
Number of students who received National recognitions	03	-
Number of students who received International recognitions	03	-

### 5.11 Student organised initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

**5.12 No. of social initiatives undertaken by the students**

25

**5.13 Major grievances of students (if any) redressed:**

01

The university has a grievance redressal cell for attending the grievances of students from time to time. There are following Committees to deal with the grievances of students and employees.

- Grievance Redressal Committee (General)
- Women Grievance Task Force
- Women's Grievance Redressal Committee

The university takes appropriate corrective measures to handle & redress all the grievances. The complaints are received by the Chairperson/Convener of the committee and a proper inquiry is conducted before final recommendation and then appropriate remedial measures are taken by the administration as per university norms/ rules and regulations.

## Criterion – VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

##### VISION

We visualize GEU as an internationally recognized, enquiry-driven, ethically engaged diverse community, whose members work collaboratively, for positive transformation in the world, through courageous leadership, in teaching, research, and social action.

##### MISSION

The mission of the University is to promote learning in the true spirit. The University offers the knowledge and skills needed to succeed as professionals, and the values and sensitivity needed to become responsible citizens of the world. The University will distinguish itself as a diverse, socially responsible learning community of high quality scholarship and academic rigor sustained by an effort that does justice. Vision & Mission of the university have been associated with the following core values.

- Continuous learning & improvement
- Ethics
- Simplicity
- Integrity and trust

In order to achieve this, priority has been given to the following areas.

- Encouraging academic excellence.
- Developing programmes for awareness of the newly emerging areas of Technology & growth.
- Promoting interdisciplinary skills.
- Inculcating ethics & values and emphasis on trust and integrity
- Encouraging creativity & innovativeness.
- Cultivating managerial skills
- Participative activities with emphasis on team work

#### 6.2 Does the Institution has a management Information System

Yes.

There are various software system that was developed in-house, and encompasses all aspects of the university's academic and administrative functioning. A brief discussion of its usage with respect to the above points is given below:

**Administrative procedures including finance:** includes student and staff profiles, fee management, accounting, issue of certificates (bonafide, transfer certificate, grade sheet, degree certificate, etc.), etc.

**Student admission:** a state-of-the-art admissions module enables simultaneous counselling for BTech admissions across multiple campuses (in various states), and the entire data – from issue of hall tickets, to rank data, and entry data upon admission – is captured in the system, subsequently generating roll numbers that feed into the student registration & evaluation processes.

**Student records:** apart from personal profiles, this includes student registration records, marks & grades, student progression data, progress reports, hostel information, etc.

**Evaluation & Examination procedures:** the entire gamut of activities from registration through results, including attendance and other data are captured and maintained with appropriate access levels to students, faculty, management, administrative personnel, parents, and other stakeholders.

**Research administration:** in the staff profile, there is a provision for faculty members to maintain records of research publications, conferences attended, research grants received, etc.

**Others:** LMS module – this provides an excellent suite of tools for the teaching-learning process, including the provision to set up question banks, conduct online exams, share teaching materials & resources, host discussion forums, conduct surveys & polls, generate course-related performance-reports, etc.

6.3 Quality improvement strategies adopted by the institution for each of the following:

#### 6.3.1 Curriculum Development

Following initiatives give reflection of vision and mission in academic programs.

- Encouraging creativity, innovativeness and entrepreneurship development apart from quality teaching & research.
- Framing the syllabus with inputs from professors of institutions of National & International repute, scientists of R & D Organizations & industry experts.
- Developing programs for awareness of the new & emerging technologies such as business analytics, VLSI design, cloud computing, bioinformatics, health care informatics etc.
- Allowing the students to undergo internship programs in Indian and foreign Universities (industries) R & D organizations.
- Promoting interdisciplinary skills.
- Encouraging students & faculty members to get actively involved in Conference/ Symposium research through research paper presentation, publications, sponsored/consultancy research projects.
- Besides technical skills help in cultivating managerial skills through projects, dissertations and at least one compulsory course of study on managerial skill across all academic programs.
- Inculcating ethics and values by incorporating one course on human values & ethics in every program.

#### 6.3.2 Teaching and Learning

- In the University, the teachers focus on being a facilitator. The teachers focus more on engaging students and making students participate & perform, rather than merely teaching.
- The teachers share the topic for discussion beforehand for students to come prepared, and the session is utilized for interaction, analysis, practice and problem solving connected to real life situations. In this way the results achieved transcend beyond traditional classroom teaching.

- The University pedagogy has been made more effective using a blend of activities such as discussions, role plays, case studies, quizzes, presentations, classroom activities, etc.
- Projects on latest technologies, laboratory based experiments provide practical insight into the subject.
- The students are prepared and trained in such a way that they are open to learn throughout their life.
- The students are motivated for self and lifelong learning by encouraging them to obtain online certifications offered by Coursera, Edx, MIT Open Courseware etc.,
- University encourages individual departments to invite domain experts and people of eminence for delivering lectures in their areas of specialization, problems and future challenges.
- The University has excellent IT infrastructure including 24x7 Internet and Wi-Fi facility, Digital Classrooms and Libraries and LMS to enable e-learning. Provisions are made for streaming academic videos like NPTEL.
- Industrial/field visit internships in R&D/academic institutions of repute etc, are integral part of various academic programmes of the university.
- University is also a nodal centre for offering online programs of NITTTR – Chandigarh. This centre facilitates online programs for teacher/student training supported by AICTE and MHRD.
- University also has training facility for Free Online Open Software's (FOSS) courses in collaboration with IIT-Bombay. Spoken Tutorials are being offered to students through this association.
- University has provided Netbooks & Laptops to faculty members to enable them deliver ICT based lectures.
- The University offers bridge/add-on/remedial courses incorporated in daily time-table as well as after classes and during vacations.

### 6.3.3 Examination and Evaluation

- The Exam schedule is prepared by the Controller of Examination(COE) in consultation with the Registrar. This gets displayed on the notice boards and the website.
- Efforts are made to evaluate students continually for their knowledge, comprehension, application analytical skills through quizzes, surprise tests etc. in addition to mid-semester (between 45-50 working days) and end-semester examinations in each of a 90 working day semester.
- The internal and external paper setters are appointed with request to set question papers which are moderated confidentially by a committee and then printed. The printed question papers are held in a strong room under the supervision of the COE and Registrar.
- In-built flexibility in our academic system gives opportunity to students to improve performance through make-up exams.
- Students can also avail the opportunity of appearing in back-paper exam if they are unable to clear any course due to unavoidable circumstances.

### 6.3.4 Research and Development

In an effort to further enhance the research structure and output, the university initiated the formation of Thrust Area Groups (TAGs). These groups within each department, work together in focused areas, and provide regular reports, which are then reviewed by management for the following reasons:

1. To provide any support (additional infrastructure, facilities, instruments, stipends, etc.)
2. To help in case of any roadblocks and challenges faced by researchers
3. To monitor progress and output

The university has a RCB/DRC/SRC to monitor and address issues related to research. Each school also has a research committee to facilitate, monitor and encourage the research activities.

It meets regularly to discuss various plans to promote research and motivate the faculty for academic advancement. University has initiated fellowships as incentive for research.

There is a Dean (R & D) with overall responsibility for individual research programme leading to the PhD degree. Teachers are informed about the various Govt. funding agencies fellowships available and they are encouraged to apply for the same. Faculty members with PG degree are encouraged to register for PhD. Monetary assistance and incentives are also provided to faculty members for publication and attending conferences. University encourages faculty for sponsored research and consultancy projects. There is a Dean (Res. & Consultancy Projects) to help in this regard.

The university is endowed with a TBI & STEP to help fructify innovative concepts, ideas and their commercialization IPR cell motivates and provides help for patenting and commercialization of innovative ideas/products etc of students and faculty.

Research is a significant activity of the university. During this academic year 325 Research papers were published in National and International Journals. Out of which 145 papers were published in Scopus indexed journals. Four research projects of worth Rs. 193,95118 were sanctioned to the university in 2017-18. 13 research scholars have obtained their Ph. D. from the various departments of our university. Six consultancy projects of Rs. 118,64067 were received by the university in 2017-18. Apart from this regularly guest/invited lectures are organised by the university on different areas.

Major research projects sanctioned during 2017-18

S. No.	Name of Principal Investigator	Funding agency	Title of the Project	Sanctioned order no.	Sanctioned date	Amount sanctioned (In Rs.)
1.	PI: Mr. Deepak Kumar Singh (ASSISTANT PROFESSOR) CO P.T'S (Dr. P. K. Emani, Dr. Sanjeev Kumar)		Concrete Mix Design and constituent material testing for CAPITAL HEIGHTS		23/10/2017 (CONSULTANCY PROJECT) CIVIL ENGINEERING DEPARTMENT	0.3 Lakh
2.	(Mr. Deepak Kumar Singh)		Testing of Aggregates (Coarse and Fine) for NRSS XXXVI TRANSMISSION LIMITED		25/04/2018 (CONSULTANCY PROJECT) CIVIL ENGINEERING DEPARTMENT	0.3 Lakh
3.	(Mr. Deepak Kumar Singh), Mr. P.J. Rama Raju		Soil Testing for Graphic Era Medical Site		ONGOING (CONSULTANCY PROJECT) CIVIL ENGINEERING DEPARTMENT	ONGOING
4.	Ms. Madhulika Esther Prasad	DST-WOS –A	Genetic diversity & environmental adaptability of Barnyard Millet in cold high altitude regions of Uttarakhand		EXTERNALLY FUNDED RESEARCH PROJECT DEPARTMENT OF BIOTECHNOLOGY	Rs. 20 Lakh
5.	Dr Varij Panwar	SERB	Development of new ionic transducer using ionic polymer metal nanocomposites for the enhancement of the sensing performance .	ECR/2016/001113	Sept 2017	37.77
6.	Dr Varij Panwar	UCOST	Financial assistance to organize a one day Innovation summit on innovation (Science & Technology)	UCS&T/PRC/SCP-59/2017-18	Sept 2017	80000

Some of the Guest/invited lectures/training/workshops programs organised during 2017-18

S. No.	Name of the event	Date of event	Guest speaker	Organizing department
1.	Expert Lecture 'River Training Techniques: Fundamentals, Design and Applications'	August 26 <sup>th</sup> , 2017	Dr. HN. Tiwari, Director, Technical and Planning, Floodkon Consultants, Roorkee	Civil Engineering
2.	Expert Lecture on Geospatial Technology and Applications.	Sept 09th, 2017	Prof. S.P.S. Kushwaha, Former Group Director & Dean (Acad.), IIRS, Dehradun	Civil Engineering
3.	Expert Lecture on Role of Civil Engineers in Wildlife Conservation	Sept 15th, 2017	Mr. Arun Kumar A. Research Associate, WII, Dehradun	Civil Engineering
4.	Workshop on Conservation of Biological Resources (Under Biological Diversity Act, 2002)	March 19 to 25 <sup>th</sup> , 2018	Various experts	Department of Biotechnology Graphic Era (Deemed to be University), Department of Environmental Sciences Graphic Era Hill University and Uttarakhand state Biodiversity Board, Dehradun
5.	Guest Lecture 'Some thoughts on sustainability of agriculture, natural resource management and environmental protection'	February 28, 2018	Dr. Rajesh Jalota, Senior Environmental Officer, Queensland Department of Natural Resources and Mines and Department of Environment and Science, Townsville, Brisbane, Australia	Department of Biotechnology
6.	Guest Lecture 'Crisp-cas9 Gene Editing Technology In Neurological Disease'	January 13, 2018	Dr. Panchanan Maiti, PhD., Adjunct Faculty, Dept. of Psychology, Central Michigan University, USA, Sr. Research Scientist, St. Mary's of Michigan, Ascension Health, USA	Department of Biotechnology
7.	Guest Lecture on "Nuclear Power Plant Operations & Safety issues related to Nuclear Energy"	29-Mar-18	Mr Ramesh Chandra Ex Training Superintendent Narora Atomic Power Station Narosa	Electronics & Communication Engg.
8.	Guest Lecture on "Evolution of LTE"	26-Mar-18	Mr Umesh Yadav Manager Technical Reliance Jio Infocomm	Electronics & Communication Engg.
9.	Guest Lecture on "Energy & environment problem facing the 3rd world & there probable solution for sustainable development & poverty alleviation"	7-Mar-18	Dr D.P.Kothari, Director Resarch Gaikwad Patil Group of insitution Nagpur Maharashtra	Electronics & Communication Engg.
10.	Guest Lecture on "Mathematical prospective of control theory"	21-Feb-18	Dr Mohan C Joshi, Visiting Professor, Deptt of Mathematics IIT Gandhinagar	Electronics & Communication Engg.
11.	Guest Lecture "An introduction to information & Communication Technology	13-Nov-17	Mr Kumar Shanu Business Development Executive	Electronics & Communication Engg.
12.	Guest Lecture on Microwave Communication	26-Aug-17	Mr. Prabhat Sharma, Scientist D, IRDE, Dehradun	Electronics & Communication Engg.
13.	Guest Lecture on Semiconductor Device Modeling, Microelectronics and VLSI Design	26-Aug-17	Prof. (Dr.) Mohammad Jawaid Siddiqui, Department of Electronics Engineering, AMU, Aligarh	Electronics & Communication Engg.

14.	Workshop on MATLAB essentials for communication & Speech Processing	August 19-20, 2017		Electronics & Communication Engg.
15.	Workshop on SENSENUTS Simulator for Wireless Sensor Networks	August 9-10, 2017	Mr Somil Saxena, Manager Technical	Electronics & Communication Engg.
16.	Guest Lecture on Future Power Systems: Adapting to new challenges	27-Jul-17	Dr. Kailash Srivastava, Department of Electrical Engineering, IIT Mandi	Electronics & Communication Engg.
17.	FICE-Intel IoT Workshop	July 18-21, 2017	Pradeep G Director FICE	Electronics & Communication Engg.
18.	Conference 'International Conference on Recent Innovations in Electrical, Electronics and Communication Systems (RIECS 2017)' Graphic Era University, Dehradun, India.	28-29 October 2017	Various experts	Department of Electrical Engineering,
19.	Expert lecture "Energy & Environment problems facing the 3rd world and their probable solutions for sustainable development and Poverty Alleviation"	7 <sup>th</sup> March 2018	Prof. (Dr.) D. P Kothari, Director Research, Gaikwad Patil Group of Institutions, Nagpur, Maharashtra	Department of Electrical Engineering
20.	Expert Lecture "Mathematical Perspective of Control Theory"	21 <sup>st</sup> February 2018	Prof. (Dr.) Mohan C Joshi, Visiting Professor, Department of Mathematics, IIT Gandhinagar	Department of Electrical Engineering
21.	Expert Lecture "Future Power Systems: Adapting to New Challenges"	25 July 2017	Dr. kailash Srivastava (Visiting Professor Electrical Engineering Department, IIT Mandi (HP)	Department of Electrical Engineering
22.	Guest Lecture " Atmospheric bioaerosols in the Earth System: Climate and ecosystem interaction in Indian perspective " on Guest lecture by.	17th March 2018	Dr. Sachin S Gunthe, Department of Civil Engineering, IIT Madras	Department of Allied Sciences
23.	Workshop 'National Workshop on NONLINEAR FUNCTIONAL ANALYSIS AND ITS APPLICATIONS'	February 19-24, 2018.	Various experts	Department of Mathematics (Under Allied Sciences
24.	Expert lecture "Stress Management"	July 14, 2017	Prof Sooraj Kala from Pt. NRS Government College Rohtak	Department of Humanities and Social Sciences
25.	Expert Lecture "Mind Body Relationship"	July 15, 2017	Prof (Dr) Sonia Malik from Maharshi Dayanand University, Rohtak	Department of Humanities and Social Sciences
26.	Expert session 'Special Children and their Food'	July 24, 2017	Mrs Saswati Singh, Founder Trustee (Nav Prerna Foundation)	Department of Humanities and Social Sciences
27.	Team Management Training	July 25, 2017	Ms Aditi Sharma (Director- Leading Edge, India)	Department of Humanities and Social Sciences
28.	Expert Talk	July 25, 2017	CA Anurag Sangal, Director- Leap Foundation	Department of Humanities and Social Sciences

29.	Guest lecture on “Emotional Intelligence”	5 September, 2017	Mr. Harshit Sehdev, Founder and Director of Tvam, India	Department of Humanities and Social Sciences
30.	Workshop ‘Program and outcome based education	6th jan 2018	Dr. H.N.Nagaraja(Pro Vice Chancellor and dean engineering ,Graphic Era deemed to be university,D.Dun)	Department of Commerce
31.	SEMINAR ‘STATE VENDOR DEVELOPMENT PROGRAMME’	18th Jan 2018	Mr.Pankaj Gupta(Industries Association of Utrakhand).	Department of Commerce
32.	Guest lecture ‘Higher education oppurtunities’	23rd January 2018	Prof(Dr.) C.S. Yadav, Professor, school of Management, Technologico De Monterrey, (Mexico)	Department of Commerce
33.	Workshop ‘Soft Skills’	24th jan 2018	Mr. Saral Aggarwal, (Financial advisor Saral Enterprises)	Department of Commerce
34.	Mock interview session	5th feb 2018	MS Divya Dubey (coordinator TIMES)	Department of Commerce
35.	Workshop ‘Tally’	9 <sup>th</sup> February, 2018	Mr. Rajesh Trivedi, senior general manager ICA, North India, Mr. Ankit Gupta, Centre Director,ICA Dehradun. Mr. Shah Alam, Trainer and Mr shwet Kamal, Franchise support Manager, ICA North	Department of Commerce
36.	Guest lecture ‘Financial literacy’	23 April 2018	Mr Saral aggarwal	Department of Commerce

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- At present the university Central Library has a total collection of 137210 text books and reference e-books. The Library subscribes 416 journals and 4453 e-journals of different disciplines. The faculty members also avail online facility of the university library for teaching and research.
- In order to ensures the availability of latest good quality books in the library, the list of books and Journals etc. is provided by all the departments every year.
- Regular upgradation of ICT and physical infrastructure is being done. All departments submit their requirement for procurement of instruments.
- Total 5366 new books, 4453 E-Journals, and 115 print journals have been purchased in the current academic years.

#### 6.3.6 Human Resource Management

- Manage proper faculty-student ratio across all courses and sufficient non-teaching staff to stress on capacity building & capability development.
- Maintain performance oriented culture. Targeting more international faculty members.
- Providing various facilities to the employees, besides providing required training to the employees as per their job requirement
- Obtain proper feedback from students regarding faculty & delivery, to take corrective / remedial/improvement measures.
- Social media is being used to attract the potential prospective candidates. Occasionally, a few students who were unable to continue for some research the

course and were about to discontinue, were provided part time jobs and also concession in the fees so as to motivate them to continue and pursue their education. This has resulted in reducing the numbers of drops out.

- Staff members who reside in staff quarters are also involved in the student monitoring mechanism. This has resulted in good student-faculty relationship.
- The human resource department which monitors the working atmosphere of the faculty and staff. Get periodically the feed backs to maintain good work culture.
- The institute has a well monitored biometric identification system.
- The institution has sincere, dedicated and committed faculty and visionary management.
- The university has an adequate number of qualified and competent teachers to handle the courses. The faculty members have access to the computer and internet facility that are available in the departments also.
- Workshops and training programmes are arranged for the faculty to enrich their knowledge in handling the computers effectively
- Encouragement and support are provided to faculty members for participating and organizing of faculty development programmes.
- Orientation programme are run is given to all teaching and non teaching staff.
- Faculty are sponsored for attending national/ International conferences.
- A few faculty members are supported by the transportation, computer and accommodation facilities.
- Festival loan is given to non teaching staff.
- Training pertaining to BLS course and fire and safety is given to all the staff.

#### 6.3.7 Faculty and Staff recruitment

The gap between the future and the current position is analysed and HR strategies for meeting the organization's needs in the future is determined. The staff requirement is assessed on the basis of the students' strength, vacancies arising due to retirement and as per the workload norms prescribed by UGC. On the basis of the availability of faculty requirement for new programmes, new faculties in the emerging areas of study are selected and appointed in the university.

The qualifications for teachers of various courses are prescribed by the UGC. Faculty and staff are recruited as per the recommendations of the selection committee/board where representative of the management is also ensured. Recruitment based on requirement especially for well qualified individuals with significant preference for those with already secured funded research projects.

#### 6.3.8 Industry Interaction / Collaboration

The Industry Placement Cell focuses on achieving the following functions:

To build and maintain excellent rapport with the top management of various organizations and industries and forge collaborative industry-academia alliances.

Initiating Memoranda of Understanding with major companies, research agencies and institutions to fetch funded projects and bring about improvement in infrastructure and teaching methodologies to enhance exposure of students and faculty to industry practices and developments in technology.

Facilitating visits by senior industry leaders for interaction with faculty and students.

Securing sponsorships from industry for technical events like conferences, seminars, symposia, workshops and student contests through strategic relationships.

Seeking the help of companies to spare working products / prototypes for academic demonstration purposes.

Facilitating in-plant training, industry visits, summer and final semester internship for students across all disciplines and campuses.

Soliciting support from highly reputed companies each year for the Corporate Action Plan with respect to engineering, management, biotechnology and other disciplines.

The interface with the industry is maintained in the university. But we do have a lot of industry interaction apart from this. All our students do a 6 week Summer Internship Project at different organizations. Our faculty members interact with industry as consultants, trainers etc. Many industry experts come to us as Colloquium speakers where they address our students, faculty and staff members as a part of the Colloquium guest lecture series. Many of our alumni from the industry visit us from time to time and give us their inputs. Many of them also contribute in the Alumni Boot Camps that are held once every year to help our graduating batch prepare for their placements. Some of our faculty members also take feedback for their course outlines from industry experts. Experts from the industry are also valuable members of our Board of Studies and thus contribute immensely to the administration of our Schools.

#### 6.3.9 Admission of Students

- The university has a well established admission cell. It ensures publicity and transparency in the admission process, through mass media & advt. In addition the university has a number of information centers in many cities in the country to help provide information for admission. Exhibitions of university are used to give wide publicity regarding admission and related activities in local and national dailies, website, TV and FM Radio.
- Admissions are done on the basis of merit. All academic programs are approved by Academic Council/ BOM following UGC guidelines.

#### 6.4 Welfare schemes for

Teaching	Yes
Non teaching	Yes
Students	Yes

#### **Teaching and Non-Teaching**

- Employee Provident Fund (EPF)
- Loan and advance facility to employees
- Residential / Accommodation facility
- Clinical / Dispensary facility – 100 percent
- Medical leave, Compensatory leave, Maternity leave, Paternity leave, Marriage leave, Study leave – 100 percent as per eligibility criteria.
- Financial support for research activities and acquiring higher qualification
- Fee concession to the wards of the employees.
- Insurance facility to the employees and their family members.

- Employee grievance cell
- Local transport
- In campus bank with ATM facility
- In campus food courts
- Sports and gym facilities

#### Students

- Oversee the students welfare Dean of student welfare
- Women Grievance cell
- SC/ST Cell
- Anti-ragging cell
- Psychology Cell
- Student welfare fund
- Student Welfare Board
- Extra coaching to slow learners
- Sports-indoor and outdoors, gymnasium, judo, karate
- Facilities for cultural activities
- Students club (automodelling, automobile, robotics, web design, photography, software spells)
- Trekking
- NCC

6.5 Total corpus fund generated

237 Lacs

6.6 Whether annual financial audit has been done Yes

☒

No

☐

6.7 Whether Academic and Administrative Audit (AAA) has been done? Yes

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	ISO	YES	PAQIC/IQAC
Administrative	YES	ISO	YES	PAQIC/IQAC

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes

Yes

☒

No

☐

For PG Programmes

Yes

☒

No

☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

The IQAC constantly endeavours to collect feedback from various sources on exam policies, procedures, and student performance, which form the agenda for discussion on various functional bodies (department

level, UG Programs Committee, PG Programs Committee, Academic Council, etc.) to discuss and make improvements. This has led to numerous reforms including changes in the grade point system (letter grades and points), requirement for award of distinction, requirements on publishing journal & conference papers, administration and evaluation of curricular projects, weights associated with evaluation components of a subject, components of continuous assessment in a course, structure of a question paper, etc. University goes for continuous assessment and open ended. Academic development programmes are organized every frequently month.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The University has no degree level affiliated / constituent college.

6.11 Activities and support from the Alumni Association

The University has a registered Alumni Association with Delhi chapter, Pune chapter and Bangalore chapter, USA chapter. Every year alumni meet is organised at various locations like Delhi, Pune, Bangalore, Bhimtal and Dehradun.

Alumni students are sent newsletters for updating them with the activities & developments at the university.

Alumni are invited for Guest lecturers, feedback on existing curriculum and inputs for development of new curriculum.

The alumni association, tries to nurture the relationship with students for mutual interests, and to utilize their expertise and knowledge and offer guest lecture, training & placement support to existing students.

The following some of the activities have been done during current academic year.

S. No.	Name of Activity	Duration
1	Alumini reunion meet	14 <sup>th</sup> -15 <sup>th</sup> April, 2018
2	Alumini Meet, Pune chapter	6 <sup>th</sup> January, 2018
3	Alumini Meet, Delhi Chapter	1 <sup>st</sup> December, 2017
4	Alumini Meet, Bhimtal	30 <sup>th</sup> September- 2 <sup>nd</sup> October, 2017
5.	Memorabilia-Revisit your college days event	4 <sup>th</sup> -19 <sup>th</sup> August, 2017
6.	Alumini student orientation, Dehradun	1 <sup>st</sup> -31 <sup>st</sup> August, 2017

6.12 Activities and support from the Parent – Teacher Association

- Regular parent teacher interaction is done for obtaining feedback and apprising the parents about their ward's performance. SMS services are also used to apprise the parents about their wards.
- Parents are invited by the management on regular basis and suggestions made by them are also given due consideration.
- Each class/section is under the care and guidance of one or more faculty members called class coordinator. Certain students are assigned to each faculty member who acts as a mentor to track the academic performance and social participation of the students and offers

guidance. The class coordinator carefully monitors the attendance and students performance of the class. If required, he/she also interacts with parents to give them right feedback of student.

- Monthly Attendance report is prepared by the class coordinator, Parents/Guardian are well informed of their wards who have attendance less than 75%.
- Parents /Guardians are requested to meet the class coordinators and HOD if their ward is showing continues absenteeism
- Any Indiscipline issue is immediately conveyed to the Parents/Guardian along with the necessary action taken
- Slow learners are identified in each semester and necessary extra coaching is given with information to their parents/guardians for their support as needed.

#### 6.13 Development programmes for support staff

##### **Academic Staff Development Programmes**

- Refresher Course
- HRD Programmes
- Orientation Programmes
- Staff training conducted by other Universities/Institutions
- Summer / Winter School, Workshops.

#### 6.14 Initiatives taken by the institution to make the campus eco-friendly

- Indian Youth Society of Eco friendly and Renewable Technology (IYSERT) is GEU initiative for organising exhibitions, awareness drives, about eco-friendly technologies by individuals, NGOs or other organisations.
- The University is committed towards enhancing environmental awareness, protection and has therefore, adopted a number of eco-friendly practices.
- The University spreads environmental awareness among students and staff members by celebrating Environment Day and Biodiversity Day, etc. It also initiated “Swachh University Abhiyan” under “Swachh Bharat Abhiyan” of the Government of India to encourage and maintain cleanliness in and around campus. Students and employees are motivated to undertake plantations. Various eco clubs and initiatives like IYSERT are run by the students for promotion of eco-friendly practices.
- For promoting research on eco-friendly technologies, the University also started providing partial financial support.
- A small unit for recycling of waste paper for paper making is established in the campus.
- Two Constructed wetland systems which are based on clean and green technology have been built to treat and reuse dairy farm waste water from university’s dairy farm.
- All horticulture and office soild organic waste is being converted into vermin-compost at Vermicompost unit established near university campus.
- Entire campus is No-smoking campus.
- Useof IT infrastructure to share notices & notes thereby minimal use of papers.
- Encourage public transport use and for the same purpose buses have been provided at minimal cost. Recycle and reuse of renewable resources. Bycycles are available for use to move from one place to other inside the campus.
- Battery driven vehicles also run inside the campus.
- Solar heating system installed at Hostels.

- Green audit planned.
- Use of CFL Lecture rooms with good ventilation and natural light: There is adequate cross ventilation and permeation of natural light, which helps lower the use of electricity. Use of Renewable Energy. Water harvesting:
- Measures are in place to reduce carbon emission and keep the campus pollution free. Fleet of university buses help minimize the use of individual vehicles and thereby help in reducing pollution through emissions. Parking facility is provided in the designated areas, near the entrances, so that vehicles do not ply through the campus. Planting of trees and shrubs along with well maintained lawns and gardens also contribute towards carbon neutrality. Guest lecturers for sensitizing students and spreading awareness about energy conservation & environment protection are conducted from time to time Open fire and burning of paper and garden waste is prohibited in the campus. The campus is a tobacco free campus, and tobacco items are neither sold nor allowed in the entire campus.
- The green ambience of the university campus is largely due to regular & massive plantation drives. There are about 25 different types of trees in the campus. The University has plenty of green spaces. This not only enhances the beauty & ambience of the campus, but it also helps reduce pollution, making its environment more conducive. Besides, NSS volunteers of the University regularly carry-out tree plantations in and around the campus. Hazardous waste management
- University does not generate any major hazardous waste form. However, wastes such as chemicals, biological cultures, etc. coming out of the laboratories are collected and disposed as per guidelines of CPCB. E-Waste management

## Criterion – VII

### 7. Innovations and Best Practices

#### **7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.**

University has undertaken various innovative practices for creating positive impact on functioning of the institution.

1. Innovation for quality assurance in academic system and delivery:
  - a) Innovative teaching and learning practices
  - b) Information and Communication Technology (ICT) facilities
  - c) Include Inverted classroom approach to affect better / enhanced learning among students.
  - d) Content management systems and Learning management systems
  - e) Faculty members have their independent course websites and use OERs for delivery of their subjects.
  - f) For the smooth functioning of the department different committees have been formulated such as; Research monitoring committee, Departmental purchase committee, Academic monitoring committee etc.
  - g) On-line application facility for admission
  - h) Parents teachers meeting on regular intervals.
2. University offers 'Study Abroad Programme' that enables students to experience the international study culture under a different educational system abroad. Students have undertaken internships at Universite de Haute-Alsace, France
3. International students are also accepted for internship program in the various departments of the university. In this year students from UK carried out internship program in department of Mechanical Engineering.
4. “Biopreneur Club” successfully run by students of Biotechnology Department to promote entrepreneurship skills among university students.
5. International Conference (RIEECS - 2017) organized
6. Start up cell for skill development towards commercialisation and employment generation
7. Live problem based projects (department/interdepartmental) under faculty mentorship, field trainings, regular scheduled seminars, regular guest lectures, course related projects, participation in various competitions at State/ National level, dissertations, online courses (self learning practice) using MOOCs (EdX) etc
8. Groups created on social media applications for effective communication
9. Innovative experimental work in the labs.
10. Entrepreneurship development and establishment of Incubation centre for continuous evaluation of students
11. IQAC organized presentations of teaching techniques of newly recruited faculty, which was evaluated by senior faculty and suggestions were given for improvement

12. Additional M.O.U's have been established between industries and institutions to provide subject related expertise to the students. Lectures and interactive sessions were held with distinguished alumni.

- Innovation for quality assurance in academic system and delivery:
- Innovative teaching and learning practices
- Induction of quality faculty
- Periodic Revision of curriculum
- Constant Up gradation of skills of faculty members
- Scholarships for students
- Student Welfare Fund
- Information and Communication Technology (ICT) facilities
- Modern Library
- Innovation to strengthen the university research base
- Innovations that have made impact on student life in the University
- TBI & STEP have already motivated students and faculty
- Start up cell

The description of some of guest lectures/workshops/conferences is given below

S.No.	Name of Event/activity	Date of event	Venue	Resource person
1.	Expert Lecture on River Training Techniques: Fundamentals, Design and Applications	26 <sup>th</sup> August 2017	Dept. of Civil engineering, Graphic Era deemed to be University	Dr. H.N Tiwari, Director, Technical and Planning Floodkon consultants, Roorkee
2.	Expert Lecture on Geospatial Technology and Applications.	9 <sup>th</sup> September, 2017	Dept. of Civil engineering, Graphic Era deemed to be University	Prof. S.P.S. Kushwaha, Former Group Director & Dean (Acad.), IIRS, Dehradun
3.	Expert Lecture on Role of Civil Engineers in Wildlife Conservation.	15 <sup>th</sup> September, 2017	Dept. of Civil engineering, Graphic Era deemed to be University	Mr. Arun Kumar A. Research Associate, WII, Dehradun
4.		2 <sup>nd</sup> December 2017	Deptt.of Biotechnology, Graphic Era Deemed to be University	Dr. Avinash Sharma, Scientist, National Centre for Microbial Resource National Centre For Cell Science, Pune
5.	Guest Lecture on Crisp-cas9 Gene Editing Technology In Neurological Disease	13 <sup>th</sup> January 2018	Deptt.of Biotechnology, Graphic Era Deemed to be University	Dr. PanchananMaiti, PhD., Adjunct Faculty, Dept. of Psychology, Central Michigan University, USA, Sr. Research Scientist, St. Mary's of Michigan, Ascension Health, USA

6.	Guest lecture on “Some thoughts on sustainability of agriculture, natural resource management and environmental protection”	28 <sup>th</sup> February, 2018	Deptt.of Biotechnology, Graphic Era Deemed to be University	Dr. Rajesh Jalota, Senior Environmental Officer, Queensland Department of Natural Resources and Mines and Department of Environment and Science, Townsville, Brisbane, Australia
7.	Workshop on Conservation of Biological Resources (Under Biological Diversity Act, 2002)	March, 2018	Deptt.of Biotechnology, Graphic Era Deemed to be University	Uttarakhand State Biodiversity Board
8.	Guest Lecture on “Microwave Communication”	26 <sup>th</sup> August 2017	Deptt. of Electronics and Communication Engineering, Graphic Era Deemed to be University	Mr. Prabhat Sharma, Scientist D, IRDE, Dehradun
9.	Guest Lecture on “Semiconductor Device Modeling , Microelectronics and VLSI Design”	26 <sup>th</sup> August 2017	Deptt. of Electronics and Communication Engineering, Graphic Era Deemed to be University	Prof. (Dr.) Mohammad Jawaid Siddiqui, Department of Electronics Engineering, AMU, Aligarh
10.	Guest lecture on “An Introduction to Financial World and Career Prospects in Financial Market”	5 <sup>th</sup> September 2017	Deptt. of Electronics and Communication Engineering, Graphic Era Deemed to be University	Mr. Deepak Kumar and Mr. Vikas Kumar Sharma
12.	Expert Lecture on “Energy & Environment problems facing the 3rd world and their probable solutions for sustainable development and Poverty Alleviation”	29 <sup>th</sup> March 2018	Deptt. of Electronics and Communication Engineering, Graphic Era Deemed to be University	Mr. Ramesh Chandra, Ex-Training Superintendent, Narora Atomic Power Station (NAPS), Narora UP
13.	Expert Lecture on “Energy & Environment problems facing the 3rd world and their probable solutions for sustainable development and Poverty Alleviation”	7 <sup>th</sup> March 2018	Deptt. of Electrical Engineering, Graphic Era Deemed to be University	Prof. (Dr.) D. P Kothari, Director Research, Gaikwad Patil Group of Institutions, Nagpur, Maharashtra
14.	Expert Lecture on “Mathematical Perspective of Control Theory”	21 <sup>st</sup> February 2018	Deptt. of Electrical Engineering, Graphic Era Deemed to be University	Prof. (Dr.) Mohan C Joshi, Visiting Professor, Department of Mathematics, IIT Gandhinagar
15.	Guest lecture on" Atmospheric bioaerosols	17 <sup>th</sup> March 2018	Deptt. of Allied Sciences,	Dr. Sachin S Gunthe, Department of Civil

	in the Earth System: Climate and ecosystem interaction in Indian perspective "		Graphic Era Deemed to be University	Engineering, IIT Madras
16.	National Workshop on "Nonlinear functional analysis and its applications"	19 <sup>th</sup> -24 <sup>th</sup> February 2018	Deptt. of Allied Sciences, Graphic Era Deemed to be University	Graphic Era Deemed to be University

**7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year**

PLAN OF ACTION	ACHIEVEMENTS
To Boost research activities in terms of paper publication, research project submission and consultancy services	Research paper Published : 312 (Scopus indexed: 134+) Research project submitted : 06 (262 Lakhs) Research project granted : 04 (Approx 261 Lakhs) Research consultancy services granted : 8 (Approx 124 Lakhs) Number of Ph.D degrees awarded-13
To Organize workshops/invited talks/seminars	43 Conference/ workshops / invited talks / seminars were organized on following topics in various deptt. (for sample of themes pl refer point no 2.13)
To Encourage students to participate in international programs in order to introduce a global setting in management education (Value added programme).	Active participation of students in research & design competitions at National & International level is also encouraged. Faculty members are encouraged to submit research proposal to external funding agencies. The students are also involved in research projects. Findings of the projects are published in conferences/journals. Students are motivated to participate in such programs. In fact various students undergone summer school with the foreign Universities at international level.
To provide opportunity to students to listen industry leaders and experts in order to lend a practical and relevant focus to their education (Skill development programme).	Students are provided with an opportunity to listen to talks given by several industry experts.
To encourage our faculty members to participate in research conferences, seminars and Faculty Development Programs;	95 Faculties have been benefitted .
To ensure that all the faculty members teaching different courses submit their course outlines which should have clearly laid out course objectives and evaluation criteria;	All the course outlines were monitored. They were submitted in time with clearly laid out course objectives and evaluation criteria.

It was suggested that all the full time faculty members teaching courses allocate at least one hour per week outside regular class hours for interaction with the students. This should be mentioned clearly in the course outline;	The suggestion was implemented by all the faculty members.
Extension Activities	Blood donation camps held, students actively participated in relief camp of Forest fire protection, Swachh Bharat etc.

### 7.3 Give two Best Practices of the institution

#### 1. Research, Consultancy & Extension

- The university provides state-of art infrastructure facilities and encourages students and faculty to conduct research in the university. The faculty members are constantly motivated through organizing workshops/guest lectures/FDPs every year to enhance their research capabilities. The faculty and staff of university have published around **312** technical papers in National/International Journals /International Conference Indexed Conference Publication in 2017-18. We also have 3 Patents filed this year. Research Grants have also been sanctioned in 2017-18 by different funding agencies like DST, DBT etc.
- The university has Technology Business Incubator (TBI) for innovation and entrepreneur development funded by DST, New Delhi under the supervision of Dr. V K Tewari, DG and Professor in Mechanical Engg Department. As per recent announcement by the Prime Minister, the startup projects from this state are to be submitted through TBI only. So far ten startup projects have been sanctioned by DIPP, GOI and seven are under review process in addition to 53 queries have already in pipeline.
- Alongwith TBI, GEU in collaboration with STEP has actively involved in various industry consultancy projects. So far approx Rs. 1.90 crore amount consultancy projects are going on in Some of industries like Halidiram, Savaria, UREDA, UNIDO, Gopalji, Shaktibhog Ltd etc.
- Besides providing financial support, GEU also promotes research by offering research based performance incentives/research awards to faculty members and students and financial support to participate in Conferences, Symposia, Seminars and Workshops, etc.

#### 2. Adopting Environment Friendly Practices In Campus

- Bicycles provided for in and around University campus so as to minimise fuel consumption.
- Recycling of waste- measures taken by university for recycling of waste are

- i. Establishment of Vermicompost unit for producing bio fertilizer from animal, paper and horticulture wastes.
  - ii. Two constructed wetland systems have been established at GEU dairy farms with the help of research grants received from DBT & MOEF for treatment and reuse of dairy wastewater. These projects also aim to assess reuse potential of treated water and assess the efficacy of partially treated wastewater to be used in crop irrigation as a liquid fertilizer.
- Cleanliness drive in various departments on a regular basis.
  - Use of green technologies is encouraged.
  - An eco friendly and Green Campus with more than 500 trees.
  - E-waste to be disposed in the appropriate manner
  - Solar Heaters at all the Hostels
  - Plantation Drives organized regularly by the College
  - An environment club established.

#### **7.4 Contribution to environmental awareness / protection**

- Every Year World Environment Day is celebrated in Graphic Era University on 5<sup>th</sup> of June to spread awareness about the Environment. And Guest lecture are also arranged.
- Cleanliness drive is run in and around the university campus on a regular basis.
- University promotes use of green technologies by installing solar panels and solar water heaters in academic buildings and hostels. The office paper waste and horticulture waste of the campus along with livestock waste from university dairy is being collected and converted into the biomanure at Vermi-composting unit of the university.
- Bicycles provided for in and around University campus so as to minimise fuel consumption
- University uses mass transport facility for picking and dropping students.
- Two constructed wetland systems have been established at GEU dairy farms with the help of research grants received from DBT & MOEF for treatment and reuse of dairy wastewater. These projects also aim to assess reuse potential of treated water and assess the efficacy of partially treated wastewater to be used in crop irrigation as a liquid fertilizer.
- Regularly plantation drives are organized by the staff and students for tree plantation in and around the campus.
- Guest lectures on Environment protection are held for students on regular basis.
- An environment club established.
- A lush Green Campus with more than 500 trees.
- E-waste disposal in an appropriate manner

7.5 Whether environmental audit was conducted?

No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

**Strengths**

Research - frontier areas, socially impactful, aligned with national missions International presence and focus Good rapport with the local institutions/Universities/industries/R&D organisations

**Weaknesses**

not so good connectivity of the city with other important locales of the country and abroad

**Opportunities**

Leveraging high caliber researchers for more interdisciplinary projects

Boosting social work programs to include more research output

**Challenges/ Threats**


Lack of adequate pool of high caliber applicants for research positions

Delays in processing of Govt sponsored research funding, etc.

**8. Plans of institution for next year**

There are plans related to curricular enhancements, new programs, program renewal, increase in intake, faculty and staff development (integrated performance appraisal and compensation), research and consultancy (research output linked with incentive and reward schemes, performance appraisal, specific research targets, new centers& labs, seed grants, etc.), facilities and infrastructure enhancements, etc,

Name

  
Dr. Pravin Kumar

Signature of the Coordinator, IQAC

Name Prof. (Dr.) Rakesh Sharma

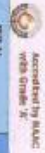


Signature of the Chairperson, IQAC  
Vice Chancellor

**Graphic Era**

(Deemed to be University  
Dehradun

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Approved by MACE  
with Order No.

### Academic Calendar Odd Semesters JULY-DECEMBER-2017

DATE	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY 2018
1 Sat 1st of odd Semesters (Independent of Odd Semesters)	2 Tue 27	1 Fri 25	30 Sat	1 Wed 21	1 Fri 29	1 Mon (Students begin classes)
3 Mon	3 Wed 29	2 Sat 24	1 Mon 27	2 Thu 22	2 Sat 30	2 Tue
4 Tue	4 Thu 30	3 Sun	2 Tue 28	3 Fri 23	3 Sun	3 Wed
5 Wed	5 Fri 31	4 Mon 25	3 Wed 29	4 Sat 24	4 Mon 25	4 Thu
6 Thu	6 Sat 2	5 Tue 26	4 Thu 30	5 Mon 26	5 Wed 27	5 Fri
7 Fri	7 Sun 3	6 Wed 27	5 Sat 31	6 Thu 29	6 Sat 30	6 Sun
8 Sat	8 Mon 4	7 Thu 28	6 Sun	7 Fri 30	7 Sun	7 Mon
9 Sun	9 Tue 5	8 Fri 29	7 Mon 27	8 Sat 24	8 Tue 26	8 Wed
10 Mon	10 Wed 6	9 Sat 30	8 Tue 28	9 Sun 25	9 Thu 28	9 Thu
11 Tue	11 Thu 7	10 Sun	9 Wed 29	10 Mon 26	10 Fri 29	10 Fri
12 Wed	12 Fri 8	11 Mon 25	10 Thu 30	11 Tue 27	11 Sat 30	11 Sat
13 Thu	13 Sat 9	12 Tue 26	11 Fri 31	12 Wed 28	12 Sun	12 Sun
14 Fri	14 Sun 10	13 Wed 27	12 Sat	13 Thu 29	13 Mon	13 Mon
15 Sat	15 Mon 11	14 Thu 28	13 Sun	14 Fri 30	14 Tue	14 Tue
16 Sun	16 Tue 12	15 Fri 29	14 Mon	15 Sat 24	15 Wed	15 Wed
17 Mon	17 Wed 13	16 Sat 30	15 Tue	16 Sun	16 Thu	16 Thu
18 Tue	18 Thu 14	17 Sun	16 Wed	17 Mon	17 Fri	17 Fri
19 Wed	19 Fri 15	18 Mon	17 Thu	18 Tue	18 Sat	18 Sat
20 Thu	20 Sat 16	19 Tue	18 Fri	19 Wed	19 Sun	19 Sun
21 Fri	21 Sun 17	20 Wed	19 Sat	20 Thu	20 Mon	20 Mon
22 Sat	22 Mon 18	21 Thu	20 Sun	21 Fri	21 Tue	21 Tue
23 Sun	23 Tue 19	22 Fri	21 Mon	22 Sat	22 Wed	22 Wed
24 Mon	24 Wed 20	23 Sat	22 Tue	23 Sun	23 Thu	23 Thu
25 Tue	25 Thu 21	24 Sun	23 Wed	24 Mon	24 Fri	24 Fri
26 Wed	26 Fri 22	25 Mon	24 Thu	25 Tue	25 Sat	25 Sat
27 Thu	27 Sat 23	26 Tue	25 Fri	26 Wed	26 Sun	26 Sun
28 Fri	28 Sun 24	27 Wed	26 Sat	27 Thu	27 Mon	27 Mon
29 Sat	29 Mon 25	28 Thu	27 Sun	28 Fri	28 Tue	28 Tue
30 Sun	30 Tue 26	29 Fri	28 Mon	29 Sat	29 Wed	29 Wed
31 Mon	31 Wed 27	30 Sat	29 Tue	30 Sun	30 Thu	30 Thu

MSRP: Mid Semester Examination-Practical  
MSRP: Mid Semester Examination-Theory  
ESRP: End Semester Examination-Practical  
ESRP: End Semester Examination-Theory  
BPEES: Back Paper Examination-Even Semester

Holidays are indicative and will be notified by the Registrar  
Office

V. C. K. R. S. T.  
Registrar

ACADEMIC CALANDAR EVEN SEMESTER: JANUARY TO JUNE-2018



Sl. No.	Date	Day	FEBRUARY		MARCH		APRIL		MAY		JUNE		Remarks
			1	2	3	4	5	6	7	8	9	10	
1	Mon	1	Thurs	28									Old Year Students Examinations from 1st Feb to 1st Mar
2	Tue	2	Fri	27									
3	Wed	3	Sat	26									
4	Thurs	4	Sun										
5	Fri	5	Mon	25									
6	Sat	6	Tue	24									
7	Sun	7	Wed	23									
8	Mon	8	Thurs	22									
9	Tue	9	Fri	21									
10	Wed	10	Sat	20									
11	Thurs	11	Sun	19									
12	Fri	12	Mon	18									
13	Sat	13	Tue	17									
14	Sun	14	Wed	16									
15	Mon	15	Thurs	15									
16	Tue	16	Fri	14									
17	Wed	17	Sat	13									
18	Thurs	18	Sun	12									
19	Fri	19	Mon	11									
20	Sat	20	Tue	10									
21	Sun	21	Wed	9									
22	Mon	22	Thurs	8									
23	Tue	23	Fri	7									
24	Wed	24	Sat	6									
25	Thurs	25	Sun	5									
26	Fri	26	Mon	4									
27	Sat	27	Tue	3									
28	Sun	28	Wed	2									
29	Mon	29	Thurs	1									
30	Tue	30	Fri										
31	Wed	31	Sat										

REGP: Mid Semester Examination-Practical | MSET: Mid Semester Examination-Theory | ESEP: End Semester Examination-Practical | ESET: End Semester Examination-Theory | BPEC: Back Paper Examination-Old Semester

Holidays are indicative and will be notified by the Registrar Office

V. C. K. S. Registrar



**Graphic Era**

(Deemed to be University)

Accredited by NAAC with Grade A

**Feedback Summary from Stakeholders**

**I) Student feedback**

- i) The students have suggested that there should more industry oriented labs.
- ii) There should be more numerical problems of the type appearing in competitive exams
- iii) There should be more number of hours in each lab course
- iv) There should be more experiments in each lab course

**II) Parent Feedback**

- i) There needs to be more industry orientation in the curriculum.
- ii) The syllabus should be related to competitive exams.
- iii) The students should have hands on experience in the labs.

**III) Alumni Feedback**

- i) There should be industry oriented labs
- ii) The syllabus should include areas that are frequently tested in placement process
- iii) There should be more working projects

**IV) Employer/ Industry expert Feedback**

- i) The students need more practical experience
- ii) The syllabus of the subjects needs to be updated as per industry standards

**V) Faculty Feedback**

- i) There should be more weight age for internal continuous assessment.
- ii) The batch size in practical should be 20 students.
- iii) More lab experiments and lab duration
- iv) Proposed new syllabus based on changes in competitive exam pattern