

Version 5 dated 12-01-2018 (23/5/2018)

Submission of Annual Quality Assurance Report (AQAR) by Accredited Institutions

(For Universities)

(Revised as per Revised Accreditation Framework in November, 2017)



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

The Annual Quality Assurance Report (AQAR) of the IQAC (For Universities)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution: **Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat, Haryana-131039.**

- Name of the Head of the institution : **Prof. Rajendrakumar Anayath**
- Designation: **Vice-Chancellor**
- Does the institution function from own campus: **Yes**
- Phone no./Alternate phone no.: **0130-2484003**
- Mobile no. **9467559000**
- Registered Email: **vc@dcrustm.org**
- Alternate Email: **patovc@dcrustm.org**
- Address : **50th KM Stone, N.H. 1, Murthal**
- City/Town : **Sonapat**
- State/UT : **Haryana**
- Pin Code : **131039**

2. Institutional status:

- University: State/Central/Deemed/Private: **State**
- Type of Institution: Co-education/Men/Women: **Co-education**
- Location : Rural/Semi-urban/Urban: **Rural**
- Financial Status: Centrally funded/state funded/Private: **State funded**
- Name of the IQAC Co-ordinator: **Dr. Pawan Kumar Dahiya**
- Phone no./Alternate phone no. : **0130-2484133**
- Mobile: **9416179367**
- IQAC e-mail address: **iqac@dcrustm.org**
- Alternate Email address: **consultantacademics@dcrustm.org**

3. Website address: www.dcrustm.ac.in

Web-link of the AQAR: (Previous Academic Year): <http://dcrustm.ac.in/naac-report/>

4. Whether Academic Calendar prepared during the year?

Yes/No....., if yes, whether it is uploaded in the Institutional website: **Yes**

Weblink: <http://dcrustm.ac.in/academic-calender/>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	A	3.02	2017	from: 22.02.2017 to: 21.02.2022

6. Date of Establishment of IQAC: **15/10/2009**

7. Internal Quality Assurance System

7.1 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
Participated in NIRF Ranking	12.06.2017	The university has participated in the NIRF ranking for Engineering, Architecture, Management and Overall
Submission of Survey for AISHE	28.02.2018	The university as a whole has participated

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
Engineering & Technology	TEQIP	World Bank	2017 (2017-20)	7 Crore

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: **Yes**

*upload latest notification of formation of IQAC: www.dcrustm.org

10. No. of IQAC meetings held during the year: **Nil**

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website: www.dcrustm.org

Yes/No: **Yes**

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

If yes, mention the amount: Year:

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

- University is regularly revising its curriculum based on the input from all its stakeholders. The University has revised its curriculum during this year.
- The new scheme & syllabi subsuming Learning Outcome-based Framework
- The University has decided to conduct Induction Programme for Students.
- The University has been taking part in the projects from MHRD NMEICT, QEEE, e-Yantra etc. Courses through MOOCs have been allowed in the revised curriculum.
- The University has adopted examination reforms. The University is having a partial online examination system.
- Participated in NIRF Ranking and submission of Survey for AISHE

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

Plan of Action	Achievements/Outcomes
Accreditation of all eligible technical programmes from NBA	Accreditation for 3 years
Participation in NIRF	Expecting NIRF ranking between 100-150
Academic Audit	-

14. Whether the AQAR was placed before statutory body? Yes /No: **Yes**
Name of the statutory body: **Academic Council & Executive Council**
Date of meeting(s): **Upcoming meeting of Academic Council & Executive Council**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?
Yes/No: Yes Date: 13 – 15, Feb. 2017

16. Whether institutional data submitted to AISHE: Yes/No: **Yes**
Year: 2017-18 Date of Submission: 28.02.2018

17. Does the Institution have Management Information System?
Yes, Partial

If yes, give a brief description and a list of modules currently operational.
(Maximum 500 words)

Although the various sections of the University (Registration, Examination etc.) of the University has automated the data collections & management, yet a complete end-to-end MIS is not in place.

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	Dates of revision
B.Arch.	006	18.06.2018
M.Arch. (Sustainable Architecture)	506	18.06.2018
M.Plan (Urban & Rural)	520	18.06.2018
M.Tech. (Construction and Real Estate Management)	542	18.06.2018
B.Tech. (Bio Medical Engineering)	007	18.06.2018
M.Tech. (Biomedical Engineering)	015	18.06.2018
B. Tech (Biotechnology)	008	18.06.2018
M. Tech. (Biotechnology)	509	18.06.2018
M. Tech. (Food-Technology)	517	18.06.2018
M.Sc. (Biotechnology)	554	18.06.2018
Dual Degree B.Sc. (Hons.) Biotechnology-M.Sc. Biotechnology	435	18.06.2018
M.Tech. (Energy Studies and Environmental Management)	508	18.06.2018
M.Tech.(Renewable Energy)	518	18.06.2018
M.Sc. (Environment Studies)	556	18.06.2018
B. Tech.(Chemical Engineering)	005	18.06.2018
M. Tech.(Chemical Engineering)	505	18.06.2018
M.Sc.(Chemistry)	552	18.06.2018
Dual Degree B.Sc. (Hons.) Chemistry-M.Sc. Chemistry	434	18.06.2018
B.Tech. (Civil Engineering)	009	18.06.2018
M. Tech. (Civil Engineering (Highway Safety & Engg.))	513	18.06.2018
B. Tech.(Computer Science & Engineering)	001	18.06.2018
M. Tech.(Computer Science &Engineering)	501	18.06.2018
B. Tech.(Electrical Engineering)	002	18.06.2018
M. Tech.(Electrical Engineering (Instrumentation & Control))	502	18.06.2018
M. Tech.(Electrical Engineering (Power Systems))	507	18.06.2018
B.Tech. (Electronics & Communication Engineering)	003	18.06.2018
M.Tech. (Electronics & Communication Engineering)	503	18.06.2018
M. Tech.(Electronics & Communication Engineering(VLSI Design))	516	18.06.2018
M.A. (English)	571	18.06.2018
M.B.A.	531	18.06.2018
M.B.A. - 5 Year Dual Degree Programme	532	18.06.2018
M.B.A. (Hospital Administration)	533	18.06.2018

M. Tech.(Materials Science & Nanotechnology)	151	18.06.2018	
M.Sc.(Mathematics)	553	18.06.2018	
M.Sc.(Mathematics)-Integrated Programme	453	18.06.2018	
B.Tech. (Mechanical Engineering)	004	18.06.2018	
M.Sc.(Physics)	551	18.06.2018	
Dual Degree B.Sc. (Hons.) Physics-M.Sc. Physics	436	18.06.2018	
1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year			
Programme with Code	Date of Introduction	Course with Code	Date of Introduction
B.Tech Biotechnology/ 008	2004	BT301C: BIOREACTOR ANALYSIS AND DESIGN	18.06.2018
		BT303C: FERMENTATION AND INDUSTRIAL BIOTECHNOLOGY	
		BT312C: ENZYME TECHNOLOGY	
		BT314C: PHARMACEUTICAL BIOTECHNOLOGY	
		BT401C BASICS OF BIOINFORMATICS	
		BT415C: BIOSENSOR TECHNOLOGY	
		BT423C: BASICS OF MICROBIAL BIOTECHNOLOGY	
		BT425C: BIOTECHNOLOGY FOR ENVIRONMENT	
M.Tech Biotechnology/ 509	2010	BT523C: ANALYTICAL TECHNIQUES IN BIOTECHNOLOGY	18.06.2018
		BT527C: BIOSEPARATION TECHNOLOGY	
		BT521C: BIOCHEMICAL ENGINEERING & BIOTECHNOLOGY	
		BT525C: MEDICAL MICROBIOLOGY AND BIOTECHNOLOGY	
		BT522C: MOLECULAR MODELLING & DRUG DESIGNING	
		BT524C: Biotechnology in	

		health care	
		BT526C: BIOENERGY AND BIOCHEMICAL TECHNOLOGY	
		MTOE653C: Industrial Safety	
M.Tech Food Technology/517	2014	FT525C: FOOD SAFETY AND QUALITY CONTROL	18.06.2018
		FT529C: BEVERAGE TECHNOLOGY	
		FT522C: PROCESS TECHNOLOGY OF CEREALS AND BAKERY PRODUCTS	
		FT524C: PROCESS TECHNOLOGY OF FRUITS AND VEGETABLES	
		FT526C: FOOD BUSINESS MANAGEMENT AND ENTREPRENEURSHIP	
		MTOE653C: INDUSTRIAL SAFETY	
M.Sc Biotechnology/554	2011	BT511MSC Biostatistics and Biocomputing	18.06.2018
		BT506MSC enzymology and enzyme technology	
		BT508MSC industrial biotechnology	
		BT603MSC CONCEPTS OF genomics and proteomics	
		BT602MSC BIOTECHNOLOGICAL ADVANCES AND APPLICATIONS	
B.Sc. (Hons)-M.Sc. Dual Degree in Biotechnology	2017	GES201B *Environmental Studies	18.06.2018
		DBT102 Basics of Biotechnology	
		DBT108 Statistics & Computing Skills in Biotechnology	
Dual Degree B.Sc. (Hons.) Chemistry-M.Sc. (Chemistry) 434	July, 2017	Dual Degree B.Sc. (Hons.) Chemistry-M.Sc. (Chemistry) 434	July, 2017
M.Sc. (Chemistry) 552	July, 2009	M.Sc. (Chemistry) 552	July, 2009
Ph.D. (Chemistry) 952	July, 2009	Ph.D. (Chemistry) 952	July, 2009

Dual degree B.Sc.Math(Hon)-M.Sc. Math., 453	18.06.2018	DMT211B, 213B, 215B, 217B, 219B, 221B & ENG225B	18.06.2018
M.Sc. Maths. 2yrs, 553	18.06.2018	MAT501C, 503C, 505C, 507C, 509C & 511C	18.06.2018
B.Tech., 001 to 009	18.06.2018	MAT101C, MAT103C, MAT105C	18.06.2018

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of introduction
Dual degree B.Sc. (Hons.) Biotechnology- M.Sc. Biotechnology	July, 2017
Dual Degree B.Sc. (Hons.) Chemistry-M.Sc. (Chemistry)	July, 2017
Dual degree B.Sc. (Hons.) Physics-M.Sc. Physics	July, 2017

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	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
	B.Arch.	M.Arch. (Sustainable Architecture)		18.06.2018	18.06.2018
	B.Tech. (Bio Medical Engineering)	M.Plan (Urban & Regional Planning)		18.06.2018	18.06.2018
	B. Tech. (Biotechnology)	M.Tech. (Construction and Real Estate Management) - a UGC Innovative Programme		18.06.2018	18.06.2018
	B. Tech.(Chemical Engineering)	M.Tech. (Biomedical Engineering)		18.06.2018	18.06.2018
	B.Tech. (Civil Engineering)	M. Tech.(Biotechnology)		18.06.2018	18.06.2018
	B. Tech.(Computer Science & Engineering)	M. Tech.(Food-Technology)		18.06.2018	18.06.2018
	B. Tech.(Electrical Engineering)	M.Sc.(Biotechnology)		18.06.2018	18.06.2018
	B.Tech. (Electronics & Communication Engineering)	B.Sc. (Hons.) Biotechnology- M.Sc. Biotechnology		18.06.2018	18.06.2018

	B.Tech. (Mechanical Engineering)	PG Diploma (Forensic Biotechnology)		18.06.2018	18.06.2018
		M.Tech. (Energy and Environmental Management)			18.06.2018
		M.Tech.(Renewable Energy)			18.06.2018
		M.Sc. (Environment Science)			18.06.2018
		M. Tech.(Chemical Engineering)			18.06.2018
		M.Sc.(Chemistry)			18.06.2018
		B.Sc. (Hons.) Chemistry-M.Sc. Chemistry			18.06.2018
		M. Tech. (Civil Engineering (Highway Safety & Engg.))			18.06.2018
		M. Tech.(Computer Science &Engineering)			18.06.2018
		M. Tech.(Electrical Engineering (Instrumentation & Control))			18.06.2018
		M. Tech.(Electrical Engineering (Power Systems))			18.06.2018
		M.Tech. (Electronics & Communication Engineering)			18.06.2018
		M. Tech.(Electronics & Communication Engineering(VLSI Design))			18.06.2018
		M.A. (English)			18.06.2018
		M.B.A.			18.06.2018
		BBA-M.B.A.			18.06.2018
		M.H.A. (Masters in Hospital Administration)			18.06.2018

		M. Tech.(Materials Science & Nano- technology)			18.06.2018
		M.Sc.(Mathematics)			18.06.2018
		B.Sc. (Hons.) Mathematics - M.Sc. (Mathematics)			18.06.2018
		M. Tech.(Mechanical Engineering)			18.06.2018
		M.Sc.(Physics)			18.06.2018
		B.Sc. (Hons.) Physics-M.Sc. Physics			18.06.2018
Already adopted (mention the year)					
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	
Student Induction Programme for B. Tech First year students		during Aug. & Sept., 2018		All B. Tech first year students	
B.TECH. (Biotechnology)		18.06.2018		117	
BT301C: BIOREACTORS ANALYSIS AND DESIGN					
BT303C: FERMENTATION AND INDUSTRIAL BIOTECHNOLOGY					
BT314C: PHARMACEUTICAL BIOTECHNOLOGY					
BT415C: BIOSENSOR TECHNOLOGY					
BT425C: BIOTECHNOLOGY FOR ENVIRONMENT					
M.tech (Biotechnology)		18.06.2018		7	
BT523C: ANALYTICAL TECHNIQUES IN BIOTECHNOLOGY					
BT525C:MEDICAL MICROBIOLOGY AND BIOTECHNOLOGY					
BT522C: MOLECULAR MODELLING & DRUG DESIGNING					
BT524C:Biotechnology in health care					
BT526C: BIOENERGY AND BIOCHEMICAL TECHNOLOGY					
MTOE653C: Industrial Safety					
M.TECH (FOOD TECHNOLOGY)		18.06.2018		5	
ENTERPRENEURSHIP					
FT653C: INDUSTRIAL SAFETY					
M.Sc. (BIOTECHNOLOGY)		18.06.2018		59	
BT511MSB Biostatistics and Biocomputing					
BT508MSB industrial biotechnology					

BT602MSB BIOTECHNOLOGICAL ADVANCES AND APPLICATIONS		
B.Sc. (Hons)-M.Sc. Dual Degree in Biotechnology		
DEN101 English-I	18.06.2018	29
GES201B *Environmental Studies		
DBT102 Basics of Biotechnology		
DEN102 English –II		
DBT108 Statistics & Computing Skills in Biotechnology		
Induction Program (3Weeks)		
ENGLISH-ENG225B	18.06.2018	52
1.3.2 Field Projects / Internships under taken during the year		
Project/Programme Title	No. of students enrolled for Field Projects / Internships	
Summer Training for 3 rd and 4 th year students	All students of 3 rd and 4 th year students	
Practical Training	130	
Practical Training-I	18	
Practical Training -II	10	
B.Tech Biotechnology	June/July2017: 48; June/July 2018: 32	
M.Sc Biotechnology	Training June/July2017: 27; June /July2018: 29	
PROFESSIONAL TRAINING-I	69	
PROFESSIONAL TRAINING-II	65	
ABS INDUSTRIES	6	
ACTIVE BRAIN INFRA ENGG.PVT.LTD.	5	
ADANI M2K PROJECTS LLP	1	
ALHUWALIA CONTRACTS LTD	2	
BHARAT CONSTRUCTION CO.	1	
BHARAT CONSTRUCTION COMPANY	1	
bharat consturuciton	1	
CAD ZONE	1	
DESIGN SUITE	1	
DMRC	2	
ECR BUILD TECH	1	
ELDIGO CONSTRUCTION INFRA PROPERTIES	1	
EMMAR	1	
GAWAR CONSTRUCTION	1	
GAWAR CONSTRUCTION	4	
GOLDEN SAND APARTMENT ,ZIRAKPUR	1	
GYT-TPL JOINT VENTURE DMRC	2	
INDIA BULLS REAL ESTATE	3	
IRCON INTERNATIONAL LTD.	1	
J&KPROJECT CONSTRUCTION CORPORTION	1	
JAI JAI RAM SINGH INFRASTRUCTURE (P) LTD.	2	
LNT	4	

LOGON INDIA INFRA	1			
LORD SHIVA CONSTRUCTION CO. PVT LTD	1			
NAGARJUN CONSTRUCTION	1			
NATIONAL COUNCIL FOR CEMENT AND BUILD. MATERIAL	1			
NATIONAL PROJECT CONSTRUCTION	1			
NC INTERIOR AND CONSTRUCTION	4			
NHPC LIMITED FARIDABAD	4			
OMAXE CITY	4			
PARDESI GROUP BUILDERS/DEVELOPERS	2			
PRATAP CONSTRUCTION COMPANY	2			
PRATAP CONSTRUCTION COMPANY	2			
PROFILE CONSTRUCTION PVT.LTD.	1			
R-ENG	1			
RK CONSTRUCTION	1			
ROSHAN REAL ESTATE PVT.LTD.	1			
SATYA GURU CONSTRUCTION	1			
SB PROTECH INDIA PVT LTD	1			
SHIKHAR ESTATES AND DEVELOPERS	1			
SS GROUP	1			
SS.SAIB CONSTRUCTIONS PVT.LTD.	1			
SWADESHI CONSTRUCTION COMPANY	1			
TATA CMC-NABI BUILDING	1			
YSC PROJETS PVT.LTD.	1			
Survey camp at Dehradun	74			
Summer Training	2nd Year (76)			
PG Projects / UG Summer Trainings	75 (II year) + 75 (III year)			
B.Tech. (ME) (Professional Training of 4 weeks after 2 nd yr + 4 weeks after 3 rd yr)	72+74			
MBA-2 Year, MBA (Dual Degree) and MHA	Approx. 220 Nos.			
1.4 Feedback System				
1.4.1 Whether structured feedback received from all the stakeholders.				
1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
YES	YES	YES	YES	YES
1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)				
Feedback is taken on designed proforma at the end of each semester and also through verbal discussions by the Chairperson/Coordinators during regular teaching.				
The consolidated result class wise as received from the Examination branch is studied and analyzed by the chairperson in association of senior teachers in the light of students' formal feedback effected at the end of the semester. The chairman interacts with the concern teachers and apprise of the feedback in an informal and academic manner and think of suitable remedial measures.				

Teaching evaluation of a course taught by a teacher is done by students through a designed feedback Performa .The Performa comprises of 10 feedback items and 4 feedback levels on 4 point scale (very good with 4 points, good with 3 points, satisfactory with 2 points, and unsatisfactory with 1.5points). Performa provides enough scope and space for offering feedback in descriptive manner too.

Feedback from students is collected once for each course towards the end of the semester by the Chairperson and/or some deputed senior teacher in the class itself wherein students are explained the importance of the feedback. Students are not required to reveal their identity in any form on the performa and are encouraged for true feedback.

Performa categorizes the students in four categories for the purpose of evaluating the feedback. Students are required to tick the category of academic performance they fall.

Assessment is based upon the methodology being followed for analysis of feedback and its effectiveness. Chairperson along with moderation committee members, at times including some more senior faculty members, analyses the feedback performa for each course. On the basis of academic category, collected performa are separated category wise.

For each category, the average point against each feedback item is determined for gauging the teacher's class performance as judged by students of different categories in matrix form to see the followings:

- a. Interest of the students towards the course.
- b. Teachers approach towards the course and teaching methodology adopted:
 - Content delivery in respect to coverage of syllabus
 - Taxonomic level of teaching and its degree of acceptability among students
 - Effectiveness of communication particularly in terms of speed and using writing boards and the use of other teaching aid.
 - Degree of interaction with students
- c. Students suggestions

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.Arch.	80	Centralized Admission	80
M.Arch.	20	50	18
MURP	20	55	20
M.Tech	15	50	15
B.Tech. (BME)	60	Centralized Admission	7
B.Tech (Biotechnology)	60	36	36
M.Tech (Biotechnology)	18	9	7
M.Tech (Food Technology)	18	6	2
M.Sc (Biotechnology)	30	94	30
M.Tech. (CSE)	30	58	30
B.Tech. (CSE)	60	Centralized Admission	58
B.Sc- M.Sc (Dual Degree)	30	317 (Consolidated- for B.Sc- M.Sc Dual degree Physics, Chemistry &	29

		Biotechnology)	
M.Sc(ES)	18	31	18
M.Tech(EEM)	18	5	5
B.Tech.	60	Centralized Admission	65
M.Tech.	18	8	6
Ph.D	-	-	-
Dual Degree B.Sc. (Hons.) Chemistry-M.Sc. (Chemistry)	30+1	364	30
M.Sc. (Chemistry)	60+1	368	60
Ph.D. (Chemistry)	Variable	92	8
B. Tech. in Civil Engineering	60+12	-	62+12
M. Tech. in Highway Safety and Engineering	18		16
B. Tech. EE	60	Through HSCS	63
M. Tech.(PS)	18	14	10
M. Tech.(I&C)	18	5	3
B Tech ECE	60 + LEET	Centralized system	60 + LEET
M Tech ECE	30	30 (Approx)	15
M Tech ECE (VLSI Design)	18	30 (Approx)	10
Dual Degree-B.Sc. (Hons.) M.Sc. Mathematics	52	245	52
M.Sc. Mathematics 2 year	61	177	61
		Online off campus through HSTES Counselling at State level	
UG(1 st yr)	60+04		64
PG(1 st yr)	30	30	30
PhD	25	61	21
M.Tech. (MSN)	18	6	5
Dual Degree -B.Sc. (Hons) Physics - M.Sc. Physics	31	112	31
M.Sc. Physics (two year)	61	320	61
MBA-2 Year	90	More than 140	79
MBA-5 Year	60	More than 150	60
MHA	30	More than 20	12

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 full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017-18	2279	1701	6	55	105

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	Number of teachers using	ICT tools and resources available	Number of ICT enabled	Number of smart	E-resources and techniques
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roll	ICT (<i>LMS, e-Resources</i>)		classrooms	classrooms	used
166	150	Power point presentations and relevant software, Desktop, Overhead projector relevant software, Interactive board, LCD projector, Computer lab with high-speed internet connectivity, NPTEL, Projectors, Computer lab.	20	10	E-Journals/ E-books available central library, few software available in Dept., NPTEL, MOOC, Online Lectures Swayam

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

The scheme is adopted for value addition to students such as:

1. Bridging the gap between teachers and students
2. Creation of healthy atmosphere so that student and approach teachers for educational and personal guidance
3. Effect two-way communication establishes a knowledge enhancing environment.
4. Awareness and support to students for GATE, GRE, CAT, IRSO, SAIL, DRDO & other Govt. PSU examinations.
5. Motivation for higher studies, entrepreneurship and start ups (Make in India)
6. Advice and support for improvement in academic and communication skills
7. Improving mannerism and inculcating moral and ethical values

At Our University

1. Regular meetings are held between mentor and mentee
2. Record of the same is kept with the mentor
3. Personalized care mentee is taken by building up an environment of trust and confidence
4. General issues are discussed in the meeting
5. A student ratio of 20 : 1 is ensured for a closer and better interaction

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
3980	166	23.97

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year: NIL

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
385	166	219	Nil	115

2.4.2 Honours and recognitions 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	Rajvir Singh	Assistant	ACM –ICPC Asia Region

		Professor	(Awarded as Coach) Copy of certificate attached
2017	Jyoti Pandey Sharma	Professor	2018 Environmental Design Research Association's (EDRA) Achievement Award for Multi Author Book, Cultural Landscapes of South Asia: Studies in heritage conservation and management' edited
2017	Dr. Parveen Kumar	Professor	ECBC Award from Bureau of Energy Efficiency, India
01-01-2018	Prof. J S Rana	Professor & Dean	Research Professorship by American Society for Microbiology and Indo-US Science and Technology Forum
2018	Dr. Krishan K. Selwal	Assistant Professor	DST-SERB Research Project (40.46 Lakhs)
2017-18	Dr. D.K. Jain	Professor	a) POSOCO power systems award for best PH. D work. Awarded to Pankaj Gupta, PH.D student (PPSA-2017) b) Certificate of outstanding contribution reviewing by ELSEVIER (International journal of electrical power and energy systems) c) Certificate of appreciation awarded by ICET (EITM-2017 conference at NIT Hamirpur)
2017-18	Dr. Rohtash Dhiman	Astt. Prof.	Vishwakarma chhatra Award(2017), 2nd Position (AICTE)
2017-18	Mr. Anil Kumar	Astt. Prof.	Certificate of appreciation awarded by ICET (EITM-2017. Conference held at NIT, Hamirpur)
2018	Dr. R.K. Soni (National)	Professor	Certificate Appreciation: SAE India
2017	Dr. Vinod Kumar, National Level	Assistant Professor	UGC- DAE

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	Date of declaration of results of semester-end/ year-
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			examination	end examination
B.Arch.	006	1, 3, 5, 7, 9	02.01.2018	24.01.2018 to 22.02.2018
M.Arch. (Sustainable Architecture)	506	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.Plan (Urban & Rural)	520	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.Tech. (Construction and Real Estate Management)	542	1, 3	02.01.2018	24.01.2018 to 22.02.2018
B.Tech. (Bio Medical Engineering)	007	1, 3, 5, 7	02.01.2018	24.01.2018 to 22.02.2018
M.Tech. (Biomedical Engineering)	015	1, 3	02.01.2018	24.01.2018 to 22.02.2018
B. Tech (Biotechnology)	008	1, 3, 5, 7	02.01.2018	24.01.2018 to 22.02.2018
M. Tech. (Biotechnology)	509	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M. Tech. (Food-Technology)	517	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.Sc. (Biotechnology)	554	1, 3	02.01.2018	24.01.2018 to 22.02.2018
Dual Degree B.Sc. (Hons.) Biotechnology-M.Sc. Biotechnology	435	1, 3, 5, 7, 9	02.01.2018	24.01.2018 to 22.02.2018
M.Tech. (Energy Studies and Environmental Management)	508	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.Tech.(Renewable Energy)	518	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.Sc. (Environment Studies)	556	1, 3	02.01.2018	24.01.2018 to 22.02.2018
B. Tech.(Chemical Engineering)	005	1, 3, 5, 7	02.01.2018	24.01.2018 to 22.02.2018
M. Tech.(Chemical Engineering)	505	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.Sc.(Chemistry)	552	1, 3	02.01.2018	24.01.2018 to 22.02.2018
Dual Degree B.Sc. (Hons.) Chemistry-M.Sc. Chemistry	434	1, 3, 5, 7, 9	02.01.2018	24.01.2018 to 22.02.2018
B.Tech. (Civil Engineering)	009	1, 3, 5, 7	02.01.2018	24.01.2018 to 22.02.2018
M. Tech. (Civil Engineering (Highway Safety & Engg.))	513	1, 3	02.01.2018	24.01.2018 to 22.02.2018
B. Tech.(Computer Science & Engineering)	001	1, 3, 5, 7	02.01.2018	24.01.2018 to 22.02.2018
M. Tech.(Computer Science &Engineering)	501	1, 3	02.01.2018	24.01.2018 to 22.02.2018
B. Tech.(Electrical Engineering)	002	1, 3, 5, 7	02.01.2018	24.01.2018 to 22.02.2018
M. Tech.(Electrical Engineering Instrumentation)	502	1, 3	02.01.2018	24.01.2018 to 22.02.2018

& Control))				
M. Tech.(Electrical Engineering (Power Systems))	507	1, 3	02.01.2018	24.01.2018 to 22.02.2018
B.Tech. (Electronics & Communication Engineering)	003	1, 3, 5, 7	02.01.2018	24.01.2018 to 22.02.2018
M.Tech. (Electronics & Communication Engineering)	503	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M. Tech.(Electronics & Communication Engineering(VLSI Design))	516	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.A. (English)	571	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.B.A.	531	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.B.A. - 5 Year Dual Degree Programme	532	1, 3, 5, 7, 9	02.01.2018	24.01.2018 to 22.02.2018
M.B.A. (Hospital Administration)	533	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M. Tech.(Materials Science & Nanotechnology)	151	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.Sc.(Mathematics)	553	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.Sc.(Mathematics)-Integrated Programme	453	1, 3, 5, 7, 9	02.01.2018	24.01.2018 to 22.02.2018
B.Tech. (Mechanical Engineering)	004	1, 3, 5, 7	02.01.2018	24.01.2018 to 22.02.2018
M. Tech.(Mechanical Engineering)	504	1, 3	02.01.2018	24.01.2018 to 22.02.2018
M.Sc.(Physics)	551	1, 3	02.01.2018	24.01.2018 to 22.02.2018
Dual Degree B.Sc. (Hons.) Physics-M.Sc. Physics	436	1, 3, 5, 7, 9	02.01.2018	24.01.2018 to 22.02.2018
B.Arch.	006	2, 4, 6, 8, 10	02.06.2018	24.01.2018 to 22.02.2018
M.Arch. (Sustainable Architecture)	506	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.Plan (Urban & Rural)	520	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.Tech. (Construction and Real Estate Management)	542	2, 4	02.06.2018	24.01.2018 to 22.02.2018
B.Tech. (Bio Medical Engineering)	007	2, 4, 6, 8	02.06.2018	24.01.2018 to 22.02.2018
M.Tech. (Biomedical Engineering)	015	2, 4	02.06.2018	24.01.2018 to 22.02.2018
B. Tech (Biotechnology)	008	2, 4, 6, 8	02.06.2018	24.01.2018 to 22.02.2018
M. Tech. (Biotechnology)	509	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M. Tech. (Food-Technology)	517	2, 4	02.06.2018	24.01.2018 to 22.02.2018

M.Sc. (Biotechnology)	554	2, 4	02.06.2018	24.01.2018 to 22.02.2018
Dual Degree B.Sc. (Hons.) Biotechnology-M.Sc. Biotechnology	435	2, 4, 6, 8, 10	02.06.2018	24.01.2018 to 22.02.2018
M.Tech. (Energy Studies and Environmental Management)	508	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.Tech.(Renewable Energy)	518	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.Sc. (Environment Studies)	556	2, 4	02.06.2018	24.01.2018 to 22.02.2018
B. Tech.(Chemical Engineering)	005	2, 4, 6, 8	02.06.2018	24.01.2018 to 22.02.2018
M. Tech.(Chemical Engineering)	505	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.Sc.(Chemistry)	552	2, 4	02.06.2018	24.01.2018 to 22.02.2018
Dual Degree B.Sc. (Hons.) Chemistry-M.Sc. Chemistry	434	2, 4, 6, 8, 10	02.06.2018	24.01.2018 to 22.02.2018
B.Tech. (Civil Engineering)	009	2, 4, 6, 8	02.06.2018	24.01.2018 to 22.02.2018
M. Tech. (Civil Engineering (Highway Safety & Engg.))	513	2, 4	02.06.2018	24.01.2018 to 22.02.2018
B. Tech.(Computer Science & Engineering)	001	2, 4, 6, 8	02.06.2018	24.01.2018 to 22.02.2018
M. Tech.(Computer Science &Engineering)	501	2, 4	02.06.2018	24.01.2018 to 22.02.2018
B. Tech.(Electrical Engineering)	002	2, 4, 6, 8	02.06.2018	24.01.2018 to 22.02.2018
M. Tech.(Electrical Engineering (Instrumentation & Control))	502	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M. Tech.(Electrical Engineering (Power Systems))	507	2, 4	02.06.2018	24.01.2018 to 22.02.2018
B.Tech. (Electronics & Communication Engineering)	003	2, 4, 6, 8	02.06.2018	24.01.2018 to 22.02.2018
M.Tech. (Electronics & Communication Engineering)	503	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M. Tech.(Electronics & Communication Engineering(VLSI Design))	516	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.A. (English)	571	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.B.A.	531	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.B.A. - 5 Year Dual Degree Programme	532	2, 4, 6, 8, 10	02.06.2018	24.01.2018 to 22.02.2018
M.B.A. (Hospital Administration)	533	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M. Tech.(Materials Science &	151	2, 4	02.06.2018	24.01.2018 to

Nanotechnology)				22.02.2018
M.Sc.(Mathematics)	553	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.Sc.(Mathematics)-Integrated Programme	453	2, 4, 6, 8, 10	02.06.2018	24.01.2018 to 22.02.2018
B.Tech. (Mechanical Engineering)	004	2, 4, 6, 8	02.06.2018	24.01.2018 to 22.02.2018
M. Tech.(Mechanical Engineering)	504	2, 4	02.06.2018	24.01.2018 to 22.02.2018
M.Sc.(Physics)	551	2, 4	02.06.2018	24.01.2018 to 22.02.2018
Dual Degree B.Sc. (Hons.) Physics-M.Sc. Physics	436	2, 4, 6, 8, 10	02.06.2018	24.01.2018 to 22.02.2018

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

***Do not include re-evaluation/ re-totalling**

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
35	3434	1.01

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)

www.dcrustm.org

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
006	B.Arch.	80	80	100
506	M.Arch. (Sustainable Architecture)	19	19	100
520	M.Plan (Urban & Rural)	20	20	100
542	M.Tech. (Construction and Real Estate Management)	15	15	100
007	B.Tech. (Bio Medical Engineering)	20	15	75
015	M.Tech. (Biomedical Engineering)	0	0	0
008	B. Tech.(Biotechnology)	31	19	61.29
509	M. Tech.(Biotechnology)	0	0	0
517	M. Tech.(Food-Technology)	3	3	100
554	M.Sc.(Biotechnology)	27	25	92.59
435	Dual Degree B.Sc. (Hons.) Biotechnology-M.Sc. Biotechnology	0	0	0
508	M.Tech. (Energy Studies and Environmental Management)	5	2	40
518	M.Tech.(Renewable Energy)	0	0	0
556	M.Sc. (Environment Studies)	7	5	71
005	B. Tech.(Chemical Engineering)	66	60	90
505	M. Tech.(Chemical Engineering)	6	5	83.33
552	M.Sc.(Chemistry)	60	58	96.66
434	Dual Degree B.Sc. (Hons.)	0	0	0

	Chemistry-M.Sc. Chemistry			
009	B.Tech. (Civil Engineering)	277	197	71.11
513	M. Tech. (Civil Engineering (Highway Safety & Engg.))	30	29	96.66
001	B. Tech.(Computer Science & Engineering)	74	64	~87%
501	M. Tech.(Computer Science &Engineering)	36	36	100
002	B. Tech.(Electrical Engineering)	74	70	94.59
502	M. Tech.(Electrical Engineering (Instrumentation & Control))	0	0	0
507	M. Tech.(Electrical Engineering (Power Systems))	15	12	80
003	B.Tech. (Electronics & Communication Engineering)	71	70	98.50
503	M.Tech. (Electronics & Communication Engineering)	27	25	92.50
516	M. Tech.(Electronics & Communication Engineering(VLSI Design))	17	15	88.20
571	M.A. (English)	16	14	87.50
531	M.B.A.	77	73	94.8
532	M.B.A. - 5 Year Dual Degree Programme	28	25	89.28
533	M.B.A. (Hospital Administration)	16	16	100
151	M. Tech.(Materials Science & Nanotechnology)	0	0	0
553	M.Sc.(Mathematics)	51	41	80
453	M.Sc.(Mathematics)-Integrated Programme	34	29	85
004	B.Tech. (Mechanical Engineering)	67	60	89.50
504	M. Tech.(Mechanical Engineering)	30	8	26.60
551	M.Sc.(Physics)	60	51	85
436	Dual Degree B.Sc. (Hons.) Physics- M.Sc. Physics	0	0	0

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): www.dcrustm.org

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

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	Dr. Vinod Kumar,	Research Fellowship	Oct-18	UGC-DAE
International	Prof. J S Rana	Research Professorship	01-01-2018	American Society for Microbiology and Indo-US Science and Technology

				Forum
International	Dr. S.P. Nehra	Bhaskara Advanced Solar Energy Fellowship	Nov, 2017	Department of Science and Technology, Govt. of India
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 fellowship		Funding agency
JRF, SRF, RGNF, MANF, WOS, PDFW, RA, PDF		02 years, 03 years & 05 years		UGC, DST

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 years	DST, New Delhi	40.46 lakhs	26 Lakhs
	03 years	AICTE	14 lakhs	13 Lakhs
	5 years	CSIR	21 Lakhs	NA
	04 years	AICTE	15 lakhs	-
Minor Projects	Nil	-	-	-
Interdisciplinary Projects	3 years	Twinning programme, Department of Biotechnology, Govt. of India	32.78 lakhs	8.49 lakhs
Industry sponsored Projects	Nil	-	-	-
Projects sponsored by the University	Nil	-	-	-
Students Research Projects (other than compulsory by the University)	Nil	-	-	-
International Projects	Nil	-	-	-
Any other(Specify)	Nil	-	-	-
Total			123.24 lakhs	47.49 lakhs

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(s)
Global Conference on Biotechnology Nanotechnology, Energy and Environment (GCBNE), in collaboration with Medimaa Conferences, Gurugram.	Biotechnology	25-26 April 2018
IEEE SPICES 2017	Electrical Engineering	Aug 08 - 10, 2017, Kollam, Kerala
Signal & Image Processing Issues, challenges & Tech.	ECE	1 – 12 Jan 2018

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the	Name of the	Awarding Agency	Date of Award	Category
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innovation	Awardee			
Energy Efficient Model Building	Dr. Parveen Kumar	UNDP. BEE, GEF	4.9.2017	Model Exemplary Building
Compatible mappings of type R in digital metric spaces	Deepak Jain	IJRULA, Chennai	24-02-2018	

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
Nil	-	-

Name of the Start-up	Nature of Start-up	Date of commencement
Nil	-	-

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph. Ds Awarded
Biotechnology	6
CSE	1
Chemical Engineering	1
Chemistry	4
Civil Engineering	1
Mathematics	4
Mechanical Engineering	1
Physics	2
Management Studies	3

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

	Department	No. of Publication	Average Impact Factor, if any
National	Biotechnology	2	0.35
	Computer Science & Engineering	5	0
	Electronics & Communication Engineering	12	0
	Humanities	7	1.6
	Mathematics	4	0.19
	Material Science & Nanotechnology	5+	0
	Physics	2	0
International	Architecture	4	0
	Biomedical Engineering	1	0
	Biomedical Engineering	1	0.925
	Biotechnology	16	0.8-5.1
	Computer Science & Engineering	30	0.70
	Chemical Engineering	23	0
	Chemistry	11	0
	CIVIL ENGINEERING	9	<0.1
	Electrical Engineering	5	1.08
	Electronics & Communication Engineering	47	0

	Mathematics	20	0.371
	Mechanical Engineering	9	0.98
	Mechanical Engineering	1	0.71
	Mechanical Engineering	4	0
	Mechanical Engineering	5	1.16
	Material Science & Nanotechnology	5	0
	Physics	23	1.8
	Management Studies	14	3.25

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

Department	No. of publication
Architecture	2
Biomedical Engineering	1
Biotechnology	8
Civil Engineering	1
Electrical Engineering	2
Electronics & Communication Engineering	4
Mechanical	1
Material Science & Nanotechnology	2
CEEES	1
Management Studies	23

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/Filed	Patent Number	Date of Award
Nil	-	-	-

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 the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Molecular diversity of phosphate solubilizing bacteria isolated from the rhizosphere of chickpea, mustard and wheat.	Manu Solanki, BS Kundu and Kiran Nehra	<i>Annals of Agrarian Sciences</i>	2018	Elsevier	DCRUST, Murthal, Sonapat, Haryana, India	
Cell Selection technique for Offloading in Cellular	Suman Deswal and Anita Singhrova	Journal of Communications	2017	Scopus	Deenbandhu Chhotu Ram University of Science and Technology	NA

Networks					Murthal, India	
Taxonomy of machine learning algorithms in software fault prediction using object oriented metrics	Ajmer Singh, Rajesh Bhatia, Anita Singhrova	Elsevier Procedia Computer Science	2018	Scopus	Deenbandhu Chhotu Ram University of Science and Technology Murthal, India	NA
Slot-frame Length Optimization using Hill Climbing for Energy Efficient TSCH Network	Seema Kharb, Anita Singhrova	Elsevier Procedia Computer Science	2018	Scopus	Deenbandhu Chhotu Ram University of Science and Technology Murthal, India	NA
Demand-Based Computation Offloading Framework for Mobile Devices	J. Kumar, A. Malik, S. K. Dhurandher, and P. Nicopolitidis	IEEE Systems Journal	2017	SCI	Deenbandhu Chhotu Ram University of Science and Technology Murthal, India	1
Characterization of novel and efficient poly-3-hydroxybutyrate (PHB) producing bacteria isolated from rhizospheric soils.	Priyanka Lathwal, Kiran Nehra, Manpreet Singh and JS Rana	<i>Journal of Polymers and the Environment.</i>	2018	Springer (SCI-E, SCOPUS Indexed)	Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	
Comparative account of antifungal activity of green and chemically synthesized zinc oxide nanoparticles in combination with	Pragati Jamdagni, Jogender Singh Rana, Poonam Khatri and Kiran Nehra	<i>International Journal of Nano Dimension.</i>	2018	Indexed in Web of Science-ESCI	Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	8

agricultural fungicides.						
Synthesis, spectral analysis, antibacterial and anticancer activity of some titanium complexes.	Raj Kaushal, Nitesh Kumar, Archana Thakur, Kiran Nehra, Pamita Awasthi, Rajeev Kaushal and Saroj Arora	<i>Anti-Cancer Agents in Medicinal Chemistry.</i>	2017	SCI-E, SCOPUS indexed	Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	
Bacteriocin-Nanoconjugates as emerging compounds for enhancing antimicrobial activity of bacteriocins.	Parveen Kaur Sidhu and Kiran Nehra	<i>Journal of King Saud University- Science.</i>	2017	Elsevier, SCOPUS Indexed	Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	
Review-Proline biosynthesis and its role in abiotic stress.	Rana Veenti, Sewa Ram and Kiran Nehra	<i>International Journal of Agriculture Innovations and Research.</i>	2017	Indexed in DOAJ	DCRUST, Murthal, Sonapat, Haryana, India	
Digestibility and antimicrobial activity of developed <i>Lentinus edodus</i> powder.	Singh, J., Sindhu, S.C. and Sindhu, A.	International Journal of Chemical Studies. 6 (1): 1848-1852	2018		Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	
Synthesis and Characterization of Nano Bioglass for the Application of Bone Tissue Engineering.	Kumar, P., Dehiya, B.S., Sindhu, A. and Vinod Kumar	Journal of Nanoscience and Technology. 4(1): 471-474.	2018		Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	
Ibuprofen loaded CTS/nHA/n	Kumar, P., Dehiya, B.S. and Sindhu,	Iranian Biomedical Journal	2018		Deenbandhu Chhotu ram University of	

BG Scaffolds for the Applications of Hard Tissue Engineering.	A.	(Accepted).			Science and Technology, Murthal, sonipat, Haryana, India	
Synthesis and Characterization of nHA-PEG and nBG-PEG Scaffolds for Hard Tissue Engineering Applications	Kumar, P., Dehiya, B.S. and Sindhu, A.	Ceramics International. (Accepted)	2018		Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	
Comparative study of chitosan and chitosan-gelatin scaffold for tissue engineering.	Kumar, P., Dehiya, B.S. and Sindhu, A.	International Nano Letters.	2017		Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	
Physiochemical, morphological and biochemical characteristics of spherical hydroxyapatite particles.	Kumar, P., Dehiya, B.S., Sindhu, A. and Yadav A.	IJETSR 4(7):313-319.	2017		Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	
Co-degradation study of Lindane and Chlorpyrifos by novel bacterial isolates	Kumar D, S. Jaswal and Chopra S	Int. J. Environment and Waste Management Inderscience Publishers,	20(4):283-299. 2017	Scopus indexed Journal	DCRUST Murthal	-
Morphological and physiological alterations in the diatom <i>Gomphonema</i>	Shristy Gautam, Lalit Kumar Pandey, Vandana Vinayak and Aditi Arya	<i>Ecological Indicators</i>	2017		DCRUST, Murthal	10

<i>pseudoaugur</i> due to heavy metal stress.						
Protocol to Establish Axenic Cultures for Diatoms of Fresh Water.	Shristy Gautam, Aditi Arya, Vandana Vinayak	International Journal of Science and Research (IJSR),	2017	-	DCRUST, Murthal	-
Functional display of amylase on yeast surface from <i>Rhizopus oryzae</i> as a novel enzyme delivery method	Krishan K. Selwal, Yeuh Fen Li, Z. Yu	Food Biotechnology	31(4):233-244. (2017)	Scopus, Sci index	DCRUST, Murthal	3
Role of nuclear factor KAPPA-B (NFKB) and its interaction with HSA micro RNA 146 A in esophageal cancer	Vipul Chaudhary, Pamela Singh	<i>International Journal of Pharma and Bio Sciences</i>	2017	-	Department of Biotechnology Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	-
Assoication of herpes zoster infection with cancer patients	Vipul Chaudhary, . Pamela Singh	<i>International journal of emerging technology and advanced engineering</i>	Apr-18	-	Department of Biotechnology Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India	-
Application of Flory-Treszczanowicz-Benson model and	S Verma, S Gahlyan, M Rani, S Maken	Korean Chemical Engineering Research. 56(4) 536-541	2018	SCOPUS/ UGC	Deenbandhu Chhotu ram University of Science and Technology,	Application of Flory-Treszczanowicz-Benson model and

Prigogine-Flory-Patterson theory to Excess Molar Volumes of Isomers of Propanol with Cyclohexane or n-Hexane					Murthal, Sonipat	Prigogine-Flory-Patterson theory to Excess Molar Volumes of Isomers of Propanol with Cyclohexane or n-Hexane
Intermolecular Interactions and Refractive Indices: Experimental Data and Prediction of Oxygenated Fuel Additives with Hydrocarbons	R Devi, S Gahlyan, M Rani, S Maken	Asian Journal of Chemistry. 30(9). 2054-2062	2018	SCOPUS/UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Intermolecular Interactions and Refractive Indices: Experimental Data and Prediction of Oxygenated Fuel Additives with Hydrocarbons
Measurement and correlation of thermodynamic properties of amine and esters	Partibha, Krishan Kumar, Suman Gahlyan, Manju Rani, Vinita Bhankar	Journal of Molecular Liquids. 259, 167-178	1. 2018	SCOPUS/WOS/UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Measurement and correlation of thermodynamic properties of amine and esters
Prediction of Interactions between Binary Mixtures of Aliphatic Amines and Aliphatic Acetates	Partibha, Krishan Kumar, Manju Rani, Vinita Bhankar	Asian Journal of Chemistry. 30(11), 2557-2566	2. 2018	SCOPUS/UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Prediction of Interactions between Binary Mixtures of Aliphatic Amines and Aliphatic Acetates
Transport Properties and Modeling of Viscosity for Binary	S. Verma, S Gahlyan, M. Rani, S Maken	Arabian Journal for Science & Engineering, 43(11), 6087-6096	2018	SCOPUS/WOS/UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal,	Transport Properties and Modeling of Viscosity for Binary

Mixtures of Butanol Isomers + Hydrocarbons					Sonipat	Mixtures of Butanol Isomers + Hydrocarbons
Viscometric and FTIR studies of molecular interactions in 2-propanol+hydrocarbons mixtures at 298.15 and 308.15 K	S Gahlyan, S Verma, M Rani, S Maken	Korean Journal of Chemical Engineering. 35, 1167-1173.	2018	SCOPUS/WOS/UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Viscometric and FTIR studies of molecular interactions in 2-propanol+hydrocarbons mixtures at 298.15 and 308.15 K
Excess molar enthalpy of oxygenate + hydrocarbon mixtures: Application of Flory-Treszczanowicz-Benson model and Graph theoretical approach	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Journal of Molecular Liquids. 258, 142-146	2018	SCOPUS/WOS/UGC	Deenbandhu Chhotu ram University of Science and Technology	Excess molar enthalpy of oxygenate + hydrocarbon mixtures: Application of Flory-Treszczanowicz-Benson model and Graph theoretical approach
Measurements and Modeling of Excess Molar Enthalpy of Binary Mixtures of Oxygenate and Hydrocarbons	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Asian Journal of Chemistry, 30(4), 731-735	2018	SCOPUS/WOS/UGC	Deenbandhu Chhotu ram University of Science and Technology	Measurements and Modeling of Excess Molar Enthalpy of Binary Mixtures of Oxygenate and Hydrocarbons
Ultrasonic Speed and Isentropic Compressibility of 2-propanol with Hydrocarbons at 298.15	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Korean Chemical Engineering Research. 55 (5) 668-678	2017	SCOPUS/UGC	Deenbandhu Chhotu ram University of Science and Technology	Ultrasonic Speed and Isentropic Compressibility of 2-propanol with Hydrocarbons at 298.15

and 308.15 K						and 308.15 K
Volumetric studies of isomers of propanol and butanol with n-decane: Flory–Treszczanowicz–Benson model and Prigogine–Flory–Patterson theory	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Mak en	Journal of Molecular Liquids. 244, 233-240	2017	SCOPUS/ WOS/ UGC	Deenbandhu Chhotu ram University of Science and Technology	Volumetric studies of isomers of propanol and butanol with n-decane: Flory–Treszczanowicz–Benson model and Prigogine–Flory–Patterson theory
Viscometric Studies of Molecular Interactions in Binary Mixtures of Formamide with Alkanol at 298.15 and 308.15 K	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Mak en	Korean Chemical Engineering Research. 55 (4), 520-529	2017	SCOPUS/ WOS/ UGC	Deenbandhu Chhotu ram University of Science and Technology	Viscometric Studies of Molecular Interactions in Binary Mixtures of Formamide with Alkanol at 298.15 and 308.15 K
Synthesis and Optical Properties of CdSe Nanoparticle s	Anil Yadav, S. P. Nehra, Dinesh Patidar	International Journal of Engineering Technology, Management and Applied Sciences (ISSN : 2349-4476) volume 5, Issue 7 pp 75-80	2017	UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Synthesis and Optical Properties of CdSe Nanoparticle s
Selection of an Optimum Technique for Synthesis of Thermochromic VO ₂ for Energy and Environmental Applications	Meenu, Brijnandan S. Dehiya, Anil Yadav.	International Journal of Engineering Technology Science and Research (ISSN 2394 – 3386) Volume 4, Issue 7 . pp 370-377	2017	UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Selection of an Optimum Technique for Synthesis of Thermochromic VO ₂ for Energy and Environmental Applications
Physiochemical,	Pawan Kumar,	International Journal of	2017	UGC	Deenbandhu Chhotu ram	Physiochemical,

Morphological and Biological Characteristics of Spherical Hydroxyapatite Particles	Brijnandan S. Dehiya, Anil Sindhu, Anil Yadav	Engineering Technology Science and Research (ISSN 2394 – 3386) Volume 4, Issue 7. pp 313-319			University of Science and Technology, Murthal, Sonipat	Morphological and Biological Characteristics of Spherical Hydroxyapatite Particles
Congo Red Dye Removal From Aqueous Solution Using Activated Orange Peel	Seema, Anil Yadav, Mamta Bhagat, Virender Yadav	International Journal of Engineering Technology Science and Research (ISSN 2394 – 3386) Volume 4, Issue 12. pp 149-156	2017	UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Congo Red Dye Removal From Aqueous Solution Using Activated Orange Peel
Synthesis, Characterization and Optical Properties of ZnSe Nanoparticles.	Anil Yadav, S. P. Nehra, Dinesh Patidar	International Journal of Applied Engineering Research (ISSN: 0973-4562). Volume 13, Number 6 pp. 4606-4609	2018	Scopus/UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Synthesis, Characterization and Optical Properties of ZnSe Nanoparticles.
Preparation, Characterization and Photocatalytic Activity of Zinc Selenide-Reduced Graphene Oxide Nanocomposites.	Anil Yadav, S. P. Nehra, Dinesh Patidar	Advanced Science, Engineering and Medicine (ISSN : 2164-6627). pp1-4	2018	Scopus/UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Preparation, Characterization and Photocatalytic Activity of Zinc Selenide-Reduced Graphene Oxide Nanocomposites.
Removal of Pb (II) ions from Aqueous Solution using Natural Orange Peel and Activated Orange Peel	Mamta Bhagat, Anil Yadav, Virender Yadav	International Journal of Research in Advent Technology (ISSN: 2321-9637) Volume 6, Issue 5 pp 688-693	2018	UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Removal of Pb (II) ions from Aqueous Solution using Natural Orange Peel and Activated Orange Peel
Expansion of	Priyanka	Pollution	2017	UGC	Deenbandhu	Expansion of

parameters and sorption uptake of nickel ion by utilised battery cell carbon	lahot, d.p. tiwari	research. 37 (1) : 228-232 Issn 0257-8050			Chhotu ram University of Science and Technology, Murthal, Sonipat	parameters and sorption uptake of nickel ion by utilised battery cell carbon
Sorption of toxic heavy metal pb (ii) for evaluation of kinetic and equilibrium study using adsorbent sac	Priyanka lahot, d.p. tiwari	International journal of current advanced research issn: p: 2319-6505, volume 7; issue 3(b); page no. 10537-10540	2018	UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Sorption of toxic heavy metal pb (ii) for evaluation of kinetic and equilibrium study using adsorbent sac
Adsorption behavior of activated charcoal and used battery cell carbon as composite for removal of cadmium ion from aqueous solution	Priyanka Lahot, D.P. Tiwari	Journal of Applied and Natural Science 10 (2): 608 - 613 (2018) ISSN : 0974-9411 (Print), 2231-5209 (Online)	2018	UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	Adsorption behavior of activated charcoal and used battery cell carbon as composite for removal of cadmium ion from aqueous solution
A novel approach through Used Battery Cell Carbon for the Adsorption of Pb (II) and Cd (II) metal ions- Kinetic and Equilibrium study	Priyanka Lahot, D.P. Tiwari	Applied journal of environmental engineering science	2018	UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	
62%SiO ₂ -32%CaO-6%P ₂ O ₅	Virender Yadav,	International Journal of Engineering	2017	UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	
Bioglass As Adsorbent	Pawan Kumar,	Technology Science And				

For The Removal Of Congo Red Dye	D.P.Tiwari, Mamta Bhagat	Research IJETSR Volume 4, Issue, 364-368, July 2017,				
Application of Flory-Treszczanowicz-Benson model and Prigogine-Flory-Patterson theory to Excess Molar Volumes of Isomers of Propanol with Cyclohexane or n-Hexane	S Verma, S Gahlyan, M Rani, S Maken	Korean Chemical Engineering Research 56(4) 536-541	2018	SCOPUS/ UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	
Intermolecular Interactions and Refractive Indices: Experimental Data and Prediction of Oxygenated Fuel Additives with Hydrocarbons	R Devi, S Gahlyan, M Rani, S Maken	Asian Journal of Chemistry. 30(9). 2054-2062	2018	SCOPUS/ UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	
Transport Properties and Modeling of Viscosity for Binary Mixtures of Butanol Isomers + Hydrocarbons	S. Verma, S Gahlyan, M. Rani, S Maken	Arabian Journal for Science & Engineering, 43(11), 6087-6096	2018	SCOPUS/ WOS/ UGC	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat	
Viscometric and FTIR studies of	S Gahlyan, S Verma, M Rani, S	Korean Journal of Chemical Engineering.	2018	SCOPUS/ WOS/ UGC	Deenbandhu Chhotu ram University of	

molecular interactions in 2-propanol+hydrocarbons mixtures at 298.15 and 308.15 K	Maken	35, 1167-1173.			Science and Technology, Murthal, Sonipat	
Excess molar enthalpy of oxygenate + hydrocarbon mixtures: Application of Flory-Treszczanowicz-Benson model and Graph theoretical approach	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Journal of Molecular Liquids. 258, 142-146	2018	SCOPUS/ WOS/ UGC	Deenbandhu Chhotu ram University of Science and Technology	
Measurements and Modeling of Excess Molar Enthalpy of Binary Mixtures of Oxygenate and Hydrocarbons	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Asian Journal of Chemistry, 30(4), 731-735	2018	SCOPUS/ WOS/ UGC	Deenbandhu Chhotu ram University of Science and Technology	
Ultrasonic Speed and Isentropic Compressibility of 2-propanol with Hydrocarbons at 298.15 and 308.15 K	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Korean Chemical engg Research. 55 (5) 668-678	2017	SCOPUS/ UGC	Deenbandhu Chhotu ram University of Science and Technology	
Volumetric studies of isomers of propanol and butanol with n-	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Mak	Journal of Molecular Liquids. 244, 233-240	2017	SCOPUS/ WOS/ UGC	Deenbandhu Chhotu ram University of Science and Technology	

decane: Flory– Treszczanow icz–Benson model and Prigogine– Flory– Patterson theory	en					
Viscometric Studies of Molecular Interactions in Binary Mixtures of Formamide with Alkanol at 298.15 and 308.15 K	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Mak en	Korean Chemical Engg Research. 55 (4), 520-529	2017	SCOPUS/ WOS/ UGC	Deenbandhu Chhotu ram University of Science and Technology	
Analysis of air blast effect for explosives in a large scale detonation	H Kwon, K Tak, S Maken, H Kim, J Park, I Moon	Korean Journal of Chemical Engineering 34 (12), 3048- 3053	2017	SCOPUS/ WOS/ UGC		
Corrosion inhibition performance of chromone-3- acrylic acid derivatives for low alloy steel with theoretical modeling and experimental aspects	Rajeev Kumar, Savita Chahal, Sumit Kumar, Suman Lata, Hassane Lgaz, Rachid Salghi, Shehdeh Jodeh	Journal of Molecular Liquids	2017	SCOPUS/ WOS/ UGC	Deenbandhu Chhotu ram University of Science and Technology	
<i>Preparation of Geopolymer Concrete (GPC) Using High-Silica Rice Husk Ash (RHA) Incorporatin g Alccofine Mechanical</i>	Parveen, S., Dhirendra and B.B. Jindal,	Advanced Science, Engineering and Medicine	2017	2	DCRUST Murthal	2
	Parveen,	Construction	2018	2	DCRUST	2

<i>and microstructural properties of fly ash based geopolymer concrete incorporating alccofine at ambient curing.</i>	Singhal D., Junaid M. T., Jindal B. B. and Mehta A.,	and Building Materials,			Murthal	
<i>Experimental study on geopolymer concrete prepared using high-silica RHA incorporating alccofine.</i>	Parveen, D. Singhal, and B.B. Jindal	Advances in Concrete Construction,	2017	2	DCRUST Murthal	2
<i>Development of mix design method for geopolymer concrete</i>	Parveen and D. Singhal	Advances in Concrete Construction,	2017	1	DCRUST Murthal	1
<i>Improving compressive strength of low calcium fly ash geopolymer concrete with alccofine</i>	B.B. Jindal, D. Singhal, Sanjay Sharma and Parveen	Advances in Concrete Construction,	2017	3	DCRUST Murthal	3
<i>Prediction of Mechanical Properties of Alccofine Activated Low Calcium Fly Ash Based Geopolymer Concrete</i>	Dhirendra Singhal, S.K.S., Parveen, Bharat Bhushan Jindal	ARPJ Journal of Engineering and Applied Sciences	2017	3	DCRUST Murthal	3
<i>Enhancing Mechanical and Durability Properties of Geopolymer Concrete</i>	Bharat Bhushan Jindal, D.S., Sanjay Sharma, Parveen	Computers and Concrete	2017	2	DCRUST Murthal	2

<i>with Mineral Admixture</i>						
<i>Predicting Relationship between Mechanical Properties of Low Calcium Fly Ash-Based Geopolymer Concrete</i>	Bharat Bhushan Jindal, Parveen, Dhirendra Singhal, Ajay Goyal	Transactions - Indian Ceramic Society	2018	3	DCRUST Murthal	3
<i>Support Vector Machine Model for Prediction of Accidents on Non-Urban Sections of Highways,</i>	Singh G., Sachdeva SN, Pal M.,	<i>Proceedings of the Institution of Civil Engineers-Transport. http://dx.doi.org/10.1680/jtran.17.00019, IF= 0.402.</i>	2017	2	DCRUST Murthal	2
<i>Effect of speed on accidents</i>	Singh G., Sachdeva SN and Pal M.,	<i>Indian Highways, July 2017.</i>	2017	-	DCRUST Murthal	
<i>Comparison of three parametric and machine learning approaches for Modeling Accident Severity on Non-Urban Sections of Indian Highways</i>	Singh G., Sachdeva SN, Pal M.,	Advances in Transportation Studies, University of Rome	2018	1	DCRUST Murthal	1
International Journal of Applied Engineering Research, vol. 12, no. 22, 2017, pp. 11812-11817. Print ISSN 0973-4562 Online ISSN 0973-9769(Indexed in -	Ravi, Dinesh Kumar Jain	Cost Benefit Analysis using G2V and V2G Integrating Solar Energy	2017		<i>DCRUST, Murthal</i>	

SCOPUS) UGC Approved Journal No.- 64529						
Journal of Advanced Research in Dynamical and Control Systems, Vol. 9, 05- Special Issue, 2017 Elsevier (SCOPUS) ISSN 1943- 023X UGC Approved Journal No .- 26301	Ravi, Dinesh Kumar Jain	Comparison of Optimization Techniques for Scheduled Charging of PEVs as Flexible Load Incorporating TOD	2017		<i>DCRUST, Murthal</i>	
IEEE Transactions on Industrial Informatics DOI 10.1109/TII. 2018.280374 8	Jaipal Saroha, Mukhtiar Singh and D. K. Jain	ANFIS Based Add-on Controller for Unbalance Voltage Compensation in Low Voltage Microgrid	2017		<i>DCRUST, Murthal</i>	
Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 05- Special Issue, 2018	Surinder Singh, Mukhtiar Singh and D. K. Jain	Performance Analysis of Grid Connected Offshore wind Park with HVAC Transmission Under Fault Conditions	2017		<i>DCRUST, Murthal</i>	
Journal of Advanced Research in Dynamical and Control Systems, Vol. 9, 05- Special Issue, 18- 2017	Surinder Singh, Mukhtiar Singh and D. K. Jain	Comparative Analysis of Cascade and Parallel Interconnected Wind Energy Conversion System Topologies			<i>DCRUST, Murthal</i>	
Installation of UPFC for	S.K.Gupta, Mukhtiar	Cost Benefit Analysis using	2017	2	<i>DCRUST, Murthal</i>	2

Enhancing Overall Performance of Electrical Power System	Singh, Hari Datt Sharma	G2V and V2G Integrating Solar Energy				
Performance Enhancement of Wind energy system with Distribution Static Compensator	Manju Agrawal, Madhusudan, S K Gupta	<u>Indian journal of science and Technology</u> , Volume 10, Issue 30, August 2017	2017	IF-0.68	DCRUST, Murthal	IF-0.68
Optimal automatic generation control of two-area power systems with energy storage units under deregulated environment	Yogendra Arya, Narendra Kumar and S K Gupta	<i>Journal Of Renewable And Sustainable Energy</i> , 9, 064105 (2017)	2017	Indexed: WoS & Scopus, SCI expanded	DCRUST, Murthal	SCI IF: 1.337
<i>Marketing Clearing Pricing using Flower Pollination Algorithm Technique</i>	Pankaj Chawla, S K Gupta and Diksha Gupta	<i>Internal Journal of Industrial Electronics and Electrical Engineering</i>	2017	<u>Indexed - Google Scholar</u>	DCRUST, Murthal	Impact factor: 3.2 (JIFACTOR)
Optimal power-frequency balance in deregulated thermal, hydro and hydrothermal power systems with AC-DC links	Nisha Singh, S K Gupta and Yogendra Arya	Recent Advances in Electrical & Electronic Engineering, 2019,12,00-00, 2352-0965/19	2017	Scopus	DCRUST, Murthal	
Solar design facts to identify crack and impact of performance issue	Usha Dhankar Poonam Singal	IEEE Conference	March 2018	SCOPUS	DCRUST Murthal	

Evaluation of Throughput and Load on Ethernet, Token Ring & Fibre Distributed Data Interface	Divya Shifali Poonam Singal	IEEE Conference	Mar-18	SCOPUS	DCRUST Murthal	
Investigation on the effects of Radiations from Mobile Towers on nearby Habitats	Tarun Kumar Poonam Singal Amit Kumar Garg	IEEE Conference	Mar-18	SCOPUS	DCRUST Murthal	
Orientation Sensitivity of a Hexagonal Lattice Photonic Crystal Fiber	Shefali Priyanka Poonam Singal	IEEE Conference	Nov-17	SCOPUS	DCRUST Murthal	
Modelling and Simulation of Grid Connected SPV System with Active Power Filtering Features	Jaipal Saroha Gitanjali Mukhtiar Singh	Institution Engineers (India)	Feb-18	SCOPUS	DCRUST Murthal	
An investigation on metaheuristic techniques for solving cell to switch assignment problem	Mridul Chawla Manoj Duhan	IJWMC	2018	SCOPUS	DCRUST Murthal	
Levy Flights in Metaheuristics Optimization Algorithms- A Review	Mridul Chawla Manoj Duhan	AAI	2017	SCI	DCRUST Murthal	

Levy Flights in Metaheuristics Optimization Algorithms- A Review						
Branch Prediction Techniques Used in Pipeline Processors: A Review	Prachi	IJP & AM	2018	SCOPUS	DCRUST Murthal	
Performance of OSPF-M Routing in Planned High-Speed Network	Himanshi Amit Kr Garg	AR in D & CS	2018	SCOPUS	DCRUST Murthal	
A novel survivability technique, DHMBC (Dynamic and Hybrid with Multiple Backup selection Criteria) for WDM Optical Networks	Himanshi Amit Kr Garg	Optical Communications	2018	SCOPUS	DCRUST Murthal	
Performance Analysis of OSPF Routing Protocol under Single and Multiple Link Failure	Himanshi Amit Kr Garg	Springer CCIS book series	2018	SCOPUS	DCRUST Murthal	
Analysis of Packet Size variation supporting QoS for Survivable Optical High Speed Networks	Himanshi	Springer DECT book series	2018	SCOPUS	DCRUST Murthal	
Investigation	Amit Kr	Springer CCIS	2018	SCOPUS	DCRUST	

s of Optimized Optical Network Performance under Different Traffic Models	Garg	book series			Murthal	
Impact of Mathematical Optimization on OSPF Routing in WDM Optical Networks	Himanshi Amit Kr Garg	Springer Book Series on AAITE	2018	SCOPUS	DCRUST Murthal	
Manufacturing and supply chain flexibility: an integrated Viewpoint	Rajeev Kumar and Mishra M.	International Journal of Services and Operations Management (Inderscience)	2017	-	MED DCRUST Murthal	1
Comparative Study on the Effect of Recesses on Conical Hybrid Journal Bearing Compensated with CFV under Micropolar Lubrication	Narendra Kumar Rana, Satyam Shivam Gautam, Suresh Verma	Tribology online	2016	-	MED DCRUST Murthal	--
On the stiffness and damping coefficients of constant flow valve compensated conical hydrostatic journal bearing with micropolar lubricant	Rana, N. K., Gautam, S. S., Verma, S. and Rahmani, F.	Procedia Technology,	2016	-	MED DCRUST Murthal	2
Performance	Rana, N.K.,	Int. J. Design	2016	--	MED	--

characteristics of constant flow valve compensated conical multirecess hybrid journal bearing under micropolar lubrication	Gautam, S.S. and Verma, S.	Engineering			DCRUST Murthal	
<u>Impact of Lean Strategies on Different Industrial Lean Wastes</u>	V. Chahal, M.S.Narwal	International Journal of Theoretical and Applied Mechanics.	January, 2017	-	MED DCRUST Murthal	4
<u>Measurement of Overall Equipment Effectiveness (OEE) of a manufacturing industry: An effective lean tool</u>	Manjeet Singh M.S.Narwal	International Journal of Recent Trends in Engineering and Research	May, 2017	-	MED DCRUST Murthal	3
<u>Implementation of Six Sigma in Indian Manufacturing Industries</u>	Mr. Mohit Chhikara , Dr. M. S. Narwal , Mr. Pradeep Dahiya	International Journal of Advance Research Ideas & Innovations in Technology (IJARIIT)	January, 2017	-	MED DCRUST Murthal	1
Theoretical analysis of JIT elements for implementation in maintenance Sector	Sandeep Phogat and A K Gupta	Uncertain Supply Chain Management	2017	-	MED DCRUST Murthal	3
Identification of problems in maintenance operations and comparison with manufacturing	Sandeep Phogat and A K Gupta	Journal of Quality in Maintenance Engineering	2016	-	MED DCRUST Murthal	4

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A study on wear behaviour of Al/6101/graphite composites	P Sharma, K Paliwal, RK Garg, S Sharma, D Khanduja	Journal of Asian Ceramic Societies	2017	-	MED DCRUST Murthal	6
MCDM based evaluation and ranking of commercial off-the-shelf using fuzzy based matrix method	R Garg, RK Sharma, K Sharma, RK Garg	Decision Science Letters	2016	-	MED DCRUST Murthal	5
Availability analysis and evaluation of series parallel system using soft computing technique	A Kumar, RK Garg	International Journal of Reliability and Safety	2016	-		-
Implementation of multi-criteria decision making approach for the team leader selection in IT sector	S Sandhya, R Garg	Journal of Project Management	2016	-		7
Magnetic Fluid Based High Precision Temperature Sensor	Saurabh Pathak, Komal Jain, Vinod Kumar, Rajendra Prasad Pant	IEEE Sensors	2017	6		4
Synthesis modified structural and dielectric properties of semiconducti	N Kumari, V Kumar, SK Singh, S Khasa, MS Dahiya	Physica E: Low-dimensional Systems and Nanostructures	2017	8		7

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Analysis of longitudinal momentum distribution data of $^{26-29}\text{P}$ isotopes in stripping reactions	Ravinder Kumar, Pardeep Singh, Rajiv Kumar	Modern Physics Letters A	2017	5		5
Symmetry energy III: Isovector skins	Paweł Danielewicz, Pardeep Singh, Jenny Lee	Nuclear Physics A	2017	6	MICHIGEN STATE UNIVERSITY USA	4
Relativistic effects in heavy-ion Coulomb scattering	G. Robinson Ravinder Kumar, C. A. Bertulani	Physical Review C	2017	6	Univ. of Pisa Italy	4
Structural, optical and weak magnetic properties of Co and Mn codoped TiO_2 nanoparticles	Anand Kumar, Manish K. Kashyap, Namita Sabharwal, Sarvesh Kumar, Ashok Kumar, Parmod, K. Asokan	Solid State Sciences	2017	8		5
Investigations on structural and magnetic properties of Mn doped Er_2O_3	Renu Tomar, Parmod Kumar, Ashish Kumar, Ashok Kumar, Pawan Kumar, R.P. Pant, K. Asokan	Solid State Sciences	2017	7		6
Impedance analysis and dielectric response of anatase TiO_2 nanoparticles codoped	Anand Kumar, Manish K. Kashyap, Namita Sabharwal, Sarvesh	Mater. Res. Express	2017	6		5

with Mn and Co ions,	Kumar, Ashok Kumar Kumar, Parmod, K. Asokan					
On the role of ZnO on properties of vitreous bismuth silicates	Manjeet S. Dahiya , Meenakshi, Ajay Shankar, Ashish Agarwal, Satish Khasa	Journal of Alloys and Compounds	2017	5		4
Composition al Dependence of Optical Absorption in Barium Oxychloride Borate Glasses	MS Dahiya, A Agarwal, S Khasa	Journal of Advanced Physics	2017	1		0
Structural influence of mixed transition metal ions on lithium bismuth borate glasses	A Yadav, MS Dahiya, A Hooda, P Chand, S Khasa	Solid State Sciences	2017	9		8
Dy ³⁺ doped LiCl–CaO–Bi ₂ O ₃ –B ₂ O ₃ glasses for WLED applications	P Narwal, MS Dahiya, A Yadav, A Hooda, A Agarwal, S Khasa	Ceramics International	2017	9		8
On the dual role of halogen in magnesium oxyhalide bismuth borate glasses: Insight through optical absorption	MS Dahiya, A Yadav, S Khasa	Optik	2017	3		2

Improved structural, dielectric and magnetic properties of Ca ₂ p and Nb ₅ p co-substituted BiFeO ₃ multiferroics	S Jangra, S Sanghi, A Agarwal, M Rangi, K Kaswan, S Khasa	Journal of Alloys and Compounds	2017	8		6
Crystal structure transformation and improved dielectric and magnetic properties of La-substituted BiFeO ₃ multiferroics	M Rangi, S Sanghi, S Jangra, K Kaswan, S Khasa, A Agarwal	Ceramics International	2017	6		5
Electrical characterization of lithium bismuth borate glasses containing cobalt/vanadium ions	A Yadav, MS Dahiya, P Narwal, A Hooda, A Agarwal, S Khasa	Solid State Ionics	2017	5		4
Enhancement of Thermopower in GaN by Ion Irradiation and Possible Mechanisms	A. Kumar, J. Dhillon, R. C. Meena, Parmod Kumar, K. Asokan, R. Singh, D. Kanjilal	Applied Physics Letter	2017	8		7
Investigations of structural and transport properties of Ca doped yttrium manganites	G. Dixit, Parmod Kumar, P. Negi and K. Asokan	Ferroelectrics	2017	6		5
High	V. Sharma,	Solar Energy	2017	3		3

performance Radiation Stable ZnO/Ag/Zn O Multilayer Transparent Conductive Electrode	Parmod Kumar, A. Kumar, Surbhi, K. Asokan and K. Sachdev	Materials and Solar Cells				
Modification s in Room Temperature Ferromagnet ism by Dense Electronic Excitations in Zn _{0.9} Mg _{0.1} O Thin Films	Parmod Kumar, H. K. Malik, S. Gautam, K. H. Chae and K. Asokan	Journal of Alloys and Compound	2017	4		2
Structural, optical and magnetic properties of N ion implanted CeO ₂ thin films	P. Kumar, Parmod Kumar, A. Kumar, I. Sulana, F. Chand, K. Asokan	RSC Advances	2017	6		4
Enhancemen t of Thermopowe r in GaN by Ion Irradiation and Possible Mechanisms	A. Kumar, J. Dhillon, R. C. Meena, Parmod Kumar, K. Asokan, R. Singh, D. Kanjilal	Applied Physics Letter	2017	4		3
Symmetry energy III: Isovector skins	Paweł Danielewicz, Pardeep Singh, Jenny Lee	Nuclear Physics A	2017	6	MICHIGEN SATE VUNIVERSI TY USA	4

3.4.6 h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Morphological and physiological alterations in the diatom	Shristy Gautam, Lalit Kumar Pandey, Vandana	Ecological Indicators	2017	3	3	DCRUST, Murthal

Gomphonema pseudoaugur due to heavy metal stress.	Vinayak and Aditi Arya					
Molecular diversity of phosphate solubilizing bacteria isolated from the rhizosphere of chickpea, mustard and wheat.	Manu Solanki, BS Kundu and Kiran Nehra	Annals of Agrarian Sciences	2018	14		DCRUST, Murthal, Sonapat, Haryana, India
Characterization of novel and efficient poly-3-hydroxybutyrate (PHB) producing bacteria isolated from rhizospheric soils.	Priyanka Lathwal, Kiran Nehra, Manpreet Singh and JS Rana	Journal of Polymers and the Environment	2018	58		Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India
Comparative account of antifungal activity of green and chemically synthesized zinc oxide nanoparticles in combination with agricultural fungicides.	Pragati Jamdagni, Jogender Singh Rana, Poonam Khatri and Kiran Nehra	International Journal of Nano Dimension.	2018	-	8	Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India
Synthesis, spectral analysis, antibacterial and anticancer activity of some titanium complexes.	Raj Kaushal, Nitesh Kumar, Archana Thakur, Kiran Nehra, Pamita Awasthi, Rajeev Kaushal, Saroj Arora	Anti-Cancer Agents in Medicinal Chemistry.	2017	80		Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India
Bacteriocin-Nanoconjugates as emerging compounds for enhancing antimicrobial activity of bacteriocins.	Parveen Kaur Sidhu and Kiran Nehra	Journal of King Saud University- Science.	2017	21		Deenbandhu Chhotu ram University of Science and Technology, Murthal, sonipat, Haryana, India
Review- Proline biosynthesis and	Rana Veenti, Sewa Ram and	International Journal of	2017	-		DCRUST, Murthal, Sonapat,

its role in abiotic stress.	Kiran Nehra	Agriculture Innovations and Research.				Haryana, India
Application of Flory-Treszczanowicz-Benson model and Prigogine-Flory-Patterson theory to Excess Molar Volumes of Isomers of Propanol with Cyclohexane or n-Hexane	S Verma, S Gahlyan, M Rani, S Maken	Korean Chemical Engineering Research. 56(4) 536-541	2018		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Intermolecular Interactions and Refractive Indices: Experimental Data and Prediction of Oxygenated Fuel Additives with Hydrocarbons	R Devi, S Gahlyan, M Rani, S Maken	Asian Journal of Chemistry. 30(9). 2054-2062	2018		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Measurement and correlation of thermodynamic properties of amine and esters	Partibha, Krishan Kumar, Suman Gahlyan, Manju Rani, Vinita Bhankar	Journal of Molecular Liquids. 259, 167-178	1. 2018		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Prediction of Interactions between Binary Mixtures of Aliphatic Amines and Aliphatic Acetates	Partibha, Krishan Kumar, Manju Rani, Vinit Bhankar	Asian Journal of Chemistry. 30(11), 2557-2566	2. 2018		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Transport Properties and Modeling of Viscosity for Binary Mixtures of Butanol Isomers + Hydrocarbons	S. Verma, S Gahlyan, M. Rani, S Maken	Arabian Journal for Science & Engineering, 43(11), 6087-6096	2018		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Viscometric and FTIR studies of molecular interactions in 2-	S Gahlyan, S Verma, M Rani, S Maken	Korean Journal of Chemical Engineering.	2018		1	Deenbandhu Chhotu ram University of Science and

propanol+hydrocarbons mixtures at 298.15 and 308.15 K		35, 1167-1173.				Technology, Murthal, Sonipat
Excess molar enthalpy of oxygenate + hydrocarbon mixtures: Application of Flory-Treszczanowicz-Benson model and Graph theoretical approach	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Journal of Molecular Liquids. 258, 142-146	2018		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Measurements and Modeling of Excess Molar Enthalpy of Binary Mixtures of Oxygenate and Hydrocarbons	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Asian Journal of Chemistry, 30(4), 731-735	2018		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Ultrasonic Speed and Isentropic Compressibility of 2-propanol with Hydrocarbons at 298.15 and 308.15 K	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Korean Chemical Engineering Research. 55 (5) 668-678	2017		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Volumetric studies of isomers of propanol and butanol with n-decane: Flory-Treszczanowicz-Benson model and Prigogine-Flory-Patterson theory	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Journal of Molecular Liquids. 244, 233-240	2017		1	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Viscometric Studies of Molecular Interactions in Binary Mixtures of Formamide with Alkanol at 298.15 and	Suman Gahlyan, Sweety Verma, Manju Rani, Sanjeev Maken	Korean Chemical Engineering Research. 55 (4), 520-529	2017		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat

308.15 K						
Synthesis and Optical Properties of Nanoparticles CdSe	Anil Yadav, S. P. Nehra, Dinesh Patidar	International Journal of Engineering Technology, Management and Applied Sciences (IS SN: 2349-4476) volume 5, Issue 7 pp 75-80	2017		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Selection of an Optimum Technique for Synthesis of Thermo-chromic VO ₂ for Energy and Environmental Applications	Meenu, Brijnandan S. Dehiya, Anil Yadav.	International Journal of Engineering Technology Science and Research (ISSN 2394 – 3386) Volume 4, Issue 7 . pp 370-377	2017		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Physiochemical, Morphological and Biological Characteristics of Spherical Hydroxyapatite Particles	Pawan Kumar, Brijnandan S. Dehiya, Anil Sindhu, Anil Yadav	International Journal of Engineering Technology Science and Research (ISSN 2394 – 3386) Volume 4, Issue 7. pp 313-319	2017		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Congo Red Dye Removal From Aqueous Solution Using Activated Orange Peel	Seema, Anil Yadav, Mamta Bhagat, Virender Yadav	International Journal of Engineering Technology Science and Research (ISSN 2394 – 3386) Volume 4, Issue 12.pp 149-156	2017		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Synthesis , Characterization and Optical	Anil Yadav, S. P. Nehra, Dinesh Patidar	Properties of ZnSe Nanoparticles. International	2018		-	Deenbandhu Chhotu ram University of Science and Technology,

		Journal of Applied Engineering Research (ISSN: 0973-4562). Volume 13, Number 6 pp. 4606-4609				Murthal, Sonipat
Preparation, Characterization and Photocatalytic Activity of Zinc Selenide-Reduced Graphene Oxide Nanocomposites.	Anil Yadav, S. P. Nehra, Dinesh Patidar	Advanced Science, Engineering and Medicine (ISSN: 2164-6627). pp1-4	2018		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Removal of Pb (II) ions from Aqueous Solution using Natural Orange Peel and Activated Orange Peel	Mamta Bhagat, Anil Yadav, Virender Yadav	International Journal of Research in Advent Technology (ISSN: 2321-9637) Volume 6 , Issue 5 pp 688-693	2018		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Expansion of parameters and sorption uptake of nickel ion by utilised battery cell carbon	Priyanka lahot, D.P. Tiwari	Pollution research. 37 (1) : 228-232 Issn 0257-8050	Aug-17		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Sorption of toxic heavy metal pb (ii) for evaluation of kinetic and equilibrium study using adsorbent sac	Priyanka lahot, D.P. Tiwari	International journal of current advanced research issn: p: 2319-6505, volume 7; issue 3(b); page no. 10537-10540	March 2018;		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
Adsorption behavior of activated charcoal and used battery cell carbon as	Priyanka Lahot, D.P. Tiwari	Journal of Applied and Natural Science 10 (2): 608 - 613 (2018)	Apr-18		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat

composite for removal of cadmium ion from aqueous solution		ISSN : 0974-9411 (Print), 2231-5209 (Online)				
A novel approach through Used Battery Cell Carbon for the Adsorption of Pb (II) and Cd (II) metal ions- Kinetic and Equilibrium study	Priyanka Lahot, D.P. Tiwari	Applied journal of environmental engineering science	Jun-18		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat
62%SiO ₂ -32%CaO-6%P ₂ O ₅ Bioglass As Adsorbent For The Removal Of Congo Red Dye	Virender Yadav, Pawan Kumar, D.P.Tiwari, Mamta Bhagat	International Journal of Engineering Technology Science And Research IJETS Volume 4, Issue, 364-368, July 2017,	Jul-17		-	Deenbandhu Chhotu ram University of Science and Technology, Murthal, Sonipat

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	29	62	7	15
Presented papers	41	48	8	5
Resource Persons	9	22	5	7

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Architecture	Different Projects of Haryana Government	Urban Local Bodies	1.05 Cr.
Civil Engineering	Design of structural elements, flexible and rigid pavements, third party inspection and testing	PWD	1,178,128
		Panchayati Raj	
		Marketing board	
		Irrigation Deptt.	
		Public Health Deptt.	

Physics	Solar Cooker – Box Type	Universal Engg Enterprises - UP	1,14,478/-
Physics	Solar Cooker – Box Type	Solar Energy System – Gurgaon	-
Physics	Evacuated Tube Collector	InterSolar India Pvt. Ltd. – PUNJAB	-
Physics	Evacuated Tube Collector	InterSolar India Pvt. Ltd. – PUNJAB	-

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

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
Nil	-	-	-	-

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 coordinated in such activities	Number of students participated in such activities
Youth Festival	Ministry of Youth affairs and Sports, Govt. Of India	0	2
YRC camp	Youth Red Cross	2	12
Tree plantation	Induction Program Committee	6	450
NSS	University DCRUST	4	60
Evening School	Savera (DCRUST, Murthal)	2	11
Swatchh Bharat	-	2	13
Beti Bachao Beti Padhao	-	4	20
National Workshop on Curriculum Development	TCS	2	25

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	No. of Students benefited
Nil	-	-	-

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/	Name of the activity	Number of teachers coordinated in	Number of students participated in such
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	collaborating agency		such activities	activities
University Fund	Department of Biomedical Engineering & Civil Hospital Sonipat	Cancer Awareness Campaign (March 2018)	4	450 approx.
Swachh Bharat Internship (09-25.07.2018)	Ministry of Youth affairs and sports, Govt. Of India	Awareness about cleanliness	3	52
SAVERA	DCRUST	TEACHING & SOCIAL UPLIFTMENT	1	50
SWACH BHARAT	NSS	CLEANINESS DRIVE	4	60
Swachh Bharat	MDWS	Cleanliness, Plantation	5	250

3.7 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
Research Professorship	Prof. J.S. Rana	American Society for Microbiology and Indo-US Science and Technology Forum	01.01.2018- 28.02.2018
Co-Supervisor in M.Tech. thesis	M Tech student and NPL, Dr Ajay Kumar	--	01.07.2017 to 30.06.2018
Research Project	Dr. Vinod	UGC-DAE	2017-2020

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-To)	participant
Sharing of research facilities	PhD , Co-Supervisor (Dr. Rajeev Verma)	N.I.T. Kurukshetra	2015 to till date	Sh. Puneet Kumar Rohilla, PhD research scholar
Project Training	Thermal Energy Storage using PCM	ECOSENSE SUSTAINABLE SOLUTIONS Pvt. Ltd.	03/01/2018 to 30/05/2018	Abhishek Kumar

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 and Activities	Number of students/teachers participated under MoUs
PGI, Rohtak	Jun-17	Data / Resource sharing	All faculty & Students
Advance Tech. Chandigarh	Jun-17	Student	All faculty & Students

		training / Project assistance				
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				
29 Cr.		2.26 Cr.				
4.1.2 Details of augmentation in infrastructure facilities during the year						
Facilities	Existing		Newly added			
Campus area	273 acres		0			
Class rooms	58		2			
Laboratories	96		3			
Seminar Halls	3		0			
Classrooms with LCD facilities	20		0			
Classrooms with Wi-Fi/ LAN	58		0			
Seminar halls with ICT facilities	3		0			
Video Centre	2		0			
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	60		12			
Value of the equipment purchased during the year (Rs. in Lakhs)	-		17 (approx.)			
Others	-		-			
4.2 Library as a Learning Resource						
4.2.1 Library is automated {Integrated Library Management System (ILMS)}						
Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation			
KOHA	Fully	18.11	2018			
4.2.1 Library Services:						
	Existing		Newly added	Total		
	No.	Value	No.	Value	No.	Value
Text Books	3489	2083625	3163	2159099	66031	4242724 (2017-18)
Reference Books						
e-Books	144	986126	195	964683	339	1950809
Journals	155	344283	8	39458	163	383741
e-Journals	4173	7265162	3745	2258083	7918	9523245
Digital Database	03	295000	--	--	03	295000
CD & Video	--	--	--	--	--	--
Library automation	01	141600	--	--	1	141600
Weeding (Hard & Soft)	--	--	--	--	--	--
Others (specify)	01	\$5724	--	--	1	\$5724
Saraswati Digital Library which provides various type of e-resources like NPTEL video lectures, e-books, e-Journals, e-thesis, blogs, current event, jobs update, academic presentation, biographies and other important links which are helpful for seeking all kind of information related your subjects on www.dcrustlibrary.com . Moreover, the users can download the previous year question papers, membership form, Performa for Identity-cum Library card, requisition forms and updated information related our University Library Profile on Saraswati Digital Library portal. The Library members can also access all these information with remote access at anywhere any						

time. We have integrated all the subscribed e-resources like TURNITIN anti-plagiarism web tool, databases and collection of e-ShodhSindhu Consortium. We have shifted from LSEase software to KOHA Software for Library Automation in 2018.

4.2.2 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
Nil	-	-	-

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	953	21	Entire University	2*	2(Labs)		16	1GB NKN	A-view class room setup
Added	-	-	-	-	-	-	-	-	-
Total	953	21	Entire University	2*	2(Labs)		16	1GB NKN	A-view class room setup

***Computer centre also used as browsing centre**

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

1GB NKN Connectivity

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
NIL	NPTEL Videos repository link 192.168.10.20

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
-	-	Rs. 340.91 lacs (i/c mtc. Of horticulture work)	Rs. 340.91 lacs (i/c mtc. Of horticulture work)

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)

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	10% class topper, University employee, etc.	188	Not available

Financial support from other sources

a) National	JRF/SRF/PMS for SC/BC students/PDF-Women/RGNFSC, etc.	403	Not available
b) International	Nil	-	-

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
Personal Counselling and Mentoring	Throughout the academic session of both the semesters	217	Faculty of the department
Yoga, Meditation and other sports	Throughout the academic session of both the semesters	217	Sports department of the University. Evaluation is a part of General Proficiency at the end of Semester
Student Counselling	-	30+60	-
Language Proficiency	2017	59	English Dept.
Personal Conuseling	2017	59	Faculty & Staff
Remedial Coaching	5 September, 2017	150	At Department Level
Bridge Courses	August, 2017	30	At Department Level
Student Counselling	-	30+60	-

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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2017-18	Personal efforts of Teachers in CSED	30+67	All Students	60	65

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	No. of grievances redressed	Average number of days for grievance redressal
2	2	One Week

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
Fidelity	230	20	Genpact (Off		6

International			Campus)		
Smartprix	-	0	Wipro (Off Campus) UIET KUK		1
Libsys	30	2	JSHL Hisar (Off Campus)	22	6
Adobe Systems	45	0			
TCS	350	114			
Direct Internet Solutions	-	0			
IndiaMART	35	1			
NHSRC	-	3			
Asahi India Glass Ltd.	47	1			
ISGEC, Noida	-	3			
BCH Electric Ltd.	71	2			
SnS Associates	-	5			
MultitexFiltraion Engineers Ltd.	36	3			
Westline Shipping	-	0			
RachTR Chemicals Pvt. Ltd.	47	2			
State Bank of India	27	0			
C&S Electric Ltd.	09	0			

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
2017-18	15	B.Arch.	Architecture	SPA, CEPT, NIT	M.Plan. M. Arch.
2017-18	1	B. Tech Biotechnology	Biotechnology	Mridul – Shoolini University of Biotechnology	M.Tech Biotechnology
2017-18	1	B. Tech Biotechnology	Biotechnology	Vaani – Shoolini University of Biotechnology	M.Tech Biotechnology
2017-18	1	B. Tech Biotechnology	Biotechnology	Divya- IIT Delhi	M.Tech Computational Biology
2017-18	1	B. Tech Biotechnology	Biotechnology	Amit – IIT Kharagpur	M.Tech Biotechnology
2017-18	1	B Tech	Civil Engineering	IIT Bombay	M.Tech
2017-18	1	B Tech	Civil Engineering	NIT SURAT	M.Tech

2017-18	1	B Tech	Civil Engineering	IIT GUWAHATI	M.Tech
2017-18	14	DCRUST, Murthal	Electrical Engg.	IIT, Gowhati, Delhi, IIM, Indor, DCRUS, TMurthal, GJU, Hissar, Jamia Millia Islamia	M. Tech, MBA, PhD.
2017-18	12	B Tech	ECE		M Tech, MS, MBA
2017-18	3	M.Sc. 2 Yr. & Dual Degree B.Sc.	Mathematics	IIT Delhi, MNIT, Allahabad & DCRUST, Murthal	Ph.D & M.Sc.
2017	1	BTech	CSED	IIT Delhi	MTech
2017	1	BTech	CSED	IIT Roorkee	MTech
2017	1	BTech	CSED	IIM Indore	MBA
2017	2	BTech	CSED	IIM Raipur	MBA
2017	1	BTech	CSED	University of Texas at Dallas	MS

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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	2	15001551015, 15047657
SET	Nil	-
SLET	Nil	-
GATE	33	BT18S48047135, BT18S43003060, XL 18S13009196, BT18S48047081, ch18s48047041, ch18s48048006, ch18s48047160, ch18s48037158, ch18s48048051, ch18s43037048, ch18s43003160, ch18s43030345, ch18s48050082, G200K13,G270W92,G274H11, G408T88,G274G91, G295P89,G393X31,G371V20, G307W18,G353C26,G342Q39, G240K19,G141U53,G205W87, G274G97,G274T21,G353C24, G371M58,,G271S53,,G111T88,
GMAT	Nil	-
CAT	Nil	-
GRE	Nil	-
TOFEL	Nil	-
Civil Services	Nil	-
State Government Services	3	15001551004, 15001551016,

						15001551059
Any Other		-				-
5.2.4 Sports and cultural activities / competitions organised at the institution level during the year						
Activity	Level			Participants		
Athletics & Sports Meet	University level			450		
DCRUST, Marathon	University level			2000		
Rhythm	University level			1200		
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/ International	Sports	Cultural	Student ID number	Name of the student
5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)						
The Student Council was not constituted in the year 2017-18.						
5.3 Alumni Engagement						
5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words): YES						
The "DCRUST Murthal Alumni Association" was established on 16.03.2009 vide registration no. SNP-1337. The Association is fully operative and organizes meeting regularly and supports University in students Training & Placement etc. The Association has their separate fully operative website. And has online registration process. The Alumni of this University are presently on top level posts in Govt. Sector, Public Sector, National and Multinational Companies like TCS, DLF, BHEL, Ministry of Defense, Ballarpur Ind Ltd, Hawker Beechcraft, Texas Instruments, Hero Honda Motors Ltd, Finpro, Embassy of Finland, Carte Blanche Solutions, Oracle USA, Inc., Synopsys, Inco Infratech, Atrenta Inc., Mentor Graphics, Indian Army, Escorts Ltd, Indian Railways, Nokia, Rothschild, NTPC LTD, Federal Reserve Bank U.S.A, BSES, CIENA india pvt. Ltd, General Motors, Dell Inc., etc.						
5.3.2 No. of registered Alumni:						
730 (Online)						
5.3.3 Alumni contribution during the year (in Rupees):						
-						
5.3.4 Meetings/activities organized by Alumni Association :						
The association holds the three executive committee meeting, one General Body meeting and Annual Alumni Meet in the year 2017-2018.						
CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT						
6.1 Institutional Vision and Leadership						
6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)						
1. The University has allocated funds to the Departments for the purchase of the Equipments. 2. The participation of the faculty in Faculty Development Programmes has been allowed by the respective Dean of the Faculty.						
6.1.2 Does the institution have a Management Information System (MIS)? Yes/No/Partial: Partial						
Although the various sections of the University (Registration, Examination etc.) of the University has automated the data collections & management, yet a complete end-to-end MIS is not in place.						

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):

❖ Curriculum Development

The Curriculum is revised every 4 years. The curriculum is designed while taking in to account the niche Technologies, Employability, Entrepreneurship, Pursuits of Higher Knowledge and Overall development of students. Experts from industries, academia & research labs are included in the UG & PG Board of Studies. Faculty visited various academic institutes within country as well as outside country for feedback. Alumni are consulted time to time for curriculum updation. Student feedback about curriculum is also considered while revising the curriculum. Feed back and suggestions from Industries is well considered.

❖ Teaching and Learning:

Lecture delivering method is predominantly used. For the use of e-teaching aids being introduced like interactive e-board, projector, etc. every subject, there are tutorial classes as well. Faculty Counselors are provided for academic and personal guidance for every 20 students. Industrial Training after second and third year.

❖ Examination and Evaluation

Declaration of Final Year Results is within one month.

❖ Research and Development

Departments are actively involved in research in the areas of science, technology, management & architecture. More than 400 research scholars are admitted in 16 Departments. Nearly 100 Ph.D. has been awarded. Research Promotion Board has been constituted. Acquired membership of professional bodies of national and international repute. 11 MoUs with a number of universities and research organizations to exchange staff and to conduct joint research work. Research project worth Rs. 21 crores have been granted by various agencies to carry out research.

❖ Library, ICT and Physical Infrastructure / Instrumentation:

University Library

The University Library is housed in Saraswati Library Complex, which is a four storey building, a perfect and beautiful blend of aesthetics, latest technology and green architecture with an area of 9,103 sqm./97,948 sq.ft. The University Library has a seating capacity of 600 members. The University Library opens from 7.00 A.M. to 7.00 P.M. on all working days and 9.00 A.M. to 5.00 P.M. on Saturdays, Sundays and Gazetted Holidays. The University Library has a collection of 66,032 books and 338 e-books. The University Library subscribes 155 printed Indian Journals. It also subscribes 60 Magazines and 20 Newspapers to cater to the needs of users for current awareness and leisure reading. The University Library has undertaken the subscription to the 7,780 Online Journals including ASCE (American Society of Civil Engineers) – 38, ASME (American Society of Mechanical Engineers) – 29, IEEE/IEL - 450, Elsevier (Science Direct) - 603, EBSCO (Art & Architecture) – 370. Being a member of INFLIBNET the E-ShodhSindhu Consortium of UGC is providing 6,290 e-resources to our University Library like American Chemical Society – 50, American Institutes of Physics – 18, American Physical Society 13, Economic & Political Weekly – 01, Springer – 1700, Taylor & Francis 1076, JSTOR – 2500, Project Muse – 670, Oxford University Press – 262. The University has also access of two bibliographical databases i.e. ISID and JCCC through INFLIBNET. The University Library offers other services such as:

1. Providing Digital Library Services and remote access to digital contents through open access as well as Integration of all subscribed e-resources at URL: www.dcrustlibrary.com
2. Using TURNITIN anti-plagiarism web tool for evaluating research submitted online.
3. Multipurpose/Seminar Hall for holding Seminars and Conferences with a capacity of 100 persons.
4. University Library Signed a MoU with INFLIBNET for submission of e-thesis and synopsis into Shodhganga for its world wide access.
5. A separate reading hall which remain open for reading and access of INTERNET for 24x7 hrs.
6. Photocopy Services is provided through a private vendor on University approved rates with other facilities of lamination, spiral binding, coloured printing etc.
7. Reference Services on demand

8. Book Bank facility for SC & ST students.
9. Library Surveillance through CCTV system using 32 cameras and two LCD monitors.

University Computer Centre

The new University Computer Centre is housed in state-of-the-art iconic building based on green technology. The University Computer Centre (UCC) manages the Central Computing and Networking facilities for the University community. The UCC is having dedicated 1GB National Knowledge Network (NKN) connectivity for Internet access. University is having 1500 Nodes Wired Network and Wi-Fi connectivity in Hostels & Guest House over 10G OFC backbones. University Computer Centre is Remote Centre of IIT Bombay/IIT Kharagpur to conduct various Workshops & Training for students & faculties through Audio Visual interaction. University is designated as Aakash Project Research centre of IIT Bombay and having more than 244 Aakash II Tablets. Computer centre offers QEEE classes to B.Tech student for some of courses. Under QEEE program live lectures are delivered in real time by the faculties of IITs using the information and communication technologies. The UCC is equipped with the state-of-the-art facilities and hub of latest technology like Blade servers, Desktops, laptops, Aakash Tablets, Xerox machine, LCD projectors, Scanners and Laser Printers. The Centre is having State-of-the- Art Audio Visual facilities to conduct various Online Lectures & Training programmes. NPTEL Video Lectures are available for users on University Intranet. University Computer Centre managing various automation and online activities of the university. Two websites www.dcrustm.ac.in & www.dcrustm.org are deployed to offers complete up-to date information to all the stake holders of the university. Cloud based email services are offered to the university faculty & staff.

Campus:

It is a residential university with a campus sprawling over 273 acres of land. Architecturally the campus has been developed in four distinct zones – academic, residences, hostels and recreational. The academic premises comprise of five blocks including one administrative block. Two iconic buildings library cum computer Centre and convention centre are also completed and are fully operational now.

Convention Centre:

A state-of-the-art Convention Centre with sitting capacity of more than 1500 participants is fully operational.

Hostels:

The University offers comprehensive and independent hostel facilities for boys and girls within the campus with all modern amenities and facilities. Elegantly designed and surrounded by lawns and flower beds, DCRUST has four Boys' hostels and three Girls' hostels. It provides a comfortable, congenial and homely environment to the residents. The Chief Warden is the administrative head of the Hostel. For internal administration and day-to-day discipline, the Wardens, Hostel Supervisors, Matron and the Storekeeper assist the Chief Warden. Each hostel is spacious, well maintained and fully equipped to provide a decent stay and the best possible learning environment. The common room with a collection of national newspapers, magazines, TV & cable facility and Wi-Fi connectivity keep the students updated with current affairs. To keep the students physically fit gym, outdoor & indoor sports facilities are provided in each hostel. Each hostel has separate arrangement for water purifiers, bathrooms with geysers and laundry that provides moments of leisure. There is a designated well-maintained visiting area for the visitors of the residents. Apart from these, a Dining Hall is maintained hygienically for students to enjoy their meals. Hygienic, fresh and best quality of food is served in the hostel mess being run by the residents on a cooperative basis. Proper care of balance diet is done on a weekly schedule of mess.

Sports Facilities:

The campus has the following sports facilities:

- Tennis Academy with Synthetic Court, Flood lights & coach
- Basketball Courts with Flood lights & regular coach
- Air-conditioned Gym

- Volleyball ground
- Handball Ground
- Cricket Ground
- Football Ground
- Athletics Track
- Sand Track
- Health Track
- Indoor games facilities in the hostels
- Multi-purpose Gymnasium Hall
- Swimming Pool (In-pipeline)

Shopping Complex:

The campus has a shopping complex in the vicinity of students' hostels and residential area. There is a departmental store, photo shop, xerox shop, book and stationery shop and also a milk booth. There is a State Bank of India branch with ATM facility and a Post office. The Shopping complex also has a cafeteria surrounded with lawns.

Central Workshop:

The central workshop is an academic centre where emphases on practical aspects of manufacturing and production processes are given. This is the area where students are trained and gets hands on experience before going to different industries. The practical training is being imparted to all UG level engineering students of the University. The Central Workshop is spread in 6000 Sq. Mtr. area and mainly comprised of Machine shop, CNC Machine Shop, Welding Shop, Fitting Shop, Forging Shop, Sheet Metal Shop, Carpentry Shop, Pattern Shop, Foundry Shop, Metrology Section. CNC Shop and Welding shops are equipped with modern CNC Lathe, CNC Milling and EDM, TIG, MIG, and Plasma cutting machines. There is trained and experienced staff in each shop for imparting effective training to the students.

Central Instrumentation Laboratory:

In order to cater to the needs of different departments with sophisticated instruments for maximum utilization of instruments at our University campus Central Instrumentation Laboratory was established in April 2011. CIL is located on the ground floor in the premises of central workshop. All students, researchers and faculty members from various science and engineering departments of the university and its affiliated colleges are allowed to avail the services of CIL. CIL has following sophisticated instruments: FTIR (Perkin Elmer FRONTIER) (250-8000 cm⁻¹), Impedance analyzer (HIOKI IM3570), Simultaneous Thermal Analyzer (Perkin Elmer STA 6000), UV/VIS (Shimadzu UV-2450) etc.

- ❖ **Human Resource Management:** The human resource is managed through the well defined hierarchy structure of the University. The faculty is granted full funding for attending workshop/STP/Conferences in India. For abroad there is upper ceiling of 1.6 lacs. Besides this, there are welfare schemes for the development of the faculty as under:
 - Pay Scales as per Haryana Government Rules.
 - Allowances (Medical/ Children Education/ Uniform etc.)
 - Loans and Advances (Home Loan/ Vehicle/ Computers/Festival)
 - Leaves (Study Leave, CCL, Maternity, Earned/ Medical, Academic and Casual etc.)
 - Pension and other pensionary benefits eg. Gratuity, Leave encashment etc.
 - Residential Accommodation (Marginal License Fee)
 - Sport and Gym Facilities
 - Guest House (Swagat)
 - Health Centre (Sushruta)
 - Recreational facilities for children – Lush green parks
 - Un-interrupted Power and Water Supply

Industry Interaction / Collaboration: The Training & Placement cell is the interface of the University with Industry. It is a separate Unit which deals with Placement and Campus interviews of our students. The cell is being headed by regular Training & Placement Officer. The Training and Placement Cell acting as interface between University and Companies, has maintained symbiotic, vibrant and purposeful relationship with industries across the country. As a result, it has built up an impressive placement record both in terms of percentage of students placed as well as number on companies visiting the campus in attractive salary packages. The department hosts companies on campus and ensures that every aspirant is assured of a bright career of his/ her choice. A spacious Training Placement Cell, equipped with the state-of-Art facilities Seminar Hall of 200 seating capacity for PPTs, 40 seating capacity Air conditioned Lounge, Board Rooms, Smart class Room, Internet Lab, Air conditioned Committee Room for group discussion and Examination Halls have been made available by the University for conducting the Campus Interviews for final year students and training programmes for the pre-final year students towards preparing them for campus recruitment programmes. University has Computer Lab for online test accumulate 130 students in single shift. The Training & Placement Cell has been fostering a very productive and mutually beneficial relationship with the industries toward generating the placement opportunities for our students. Our students have the capacity to think beyond the boundaries of contemporary text books as they are nurtured in a quality research environment. For these reasons several corporate have placed us among the top echelon of Institutes for the purpose of campus recruitment programmes.

The Cell performs the following functions:

- Nurtures industry institute interaction, by organizing and coordinating frequent industrial visits, in plant training and projects of industrial relevance for the students, with the sole aim of zeroing down the hiatus between the industry and the academia.
- Organizes & coordinates campus placement programme, with a view to assist to every aspirant in fetching good placement.
- Helps every students define his/her career interest through individual expert counseling.
- Makes available updated database and job profile of the companies and thus helps each student analyse and choose company of his interest. The department has in its active file a database of nearly 6000 companies.
- Receives and forwards the feedback pertinent curriculum improvement from the visiting companies to the faculty, to ensure that the curriculum follows the latest industrial trends.
- Provides facilities for the visiting companies to conduct pre-placement talks, written tests, on line Test, group discussions and interviews.
- Organizes expert lecture on various topics.

Besides this, the University has signed MoUs / done Collaboration with the Industries / Research Organizations as under:

- Tampere University of Technology, Finland for R & D interactions and mutual exchange programmes.
- Daeduk University, Republic of Korea for R & D interactions and mutual exchange programmes.
- Hoshschule Ostwestfalen-Lippe University of Applied Science, Germany for R & D interactions and mutual exchange programmes.
- North Dakota State University, USA for R & D interactions and mutual exchange programmes.
- Dialog is on with University of Jyväskylä (Finland), University of Helsinki (Finland) & Bruno Kessler Foundation, Italy.
- Letter of Intent is signed for signing MoU with IIT, Kanpur (TEQIP Knowledge Incubation Centre).
- National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh for training of students and teachers.

<ul style="list-style-type: none"> • National Power Training Institute (NPTI) for Training of students. • Advanced Technology for Summer Training & Industrial Exposure. • Co-cubes for Campus Placements. • 1st Naukri.com for Campus Placements. 				
<p>❖ Admission of Students: Very good quality students are admitted both at UG, PG & Ph. D level. Highest Rank ~ 14000 JEE Mains. Students prefer the University in Haryana. At UG level, the admissions are done through online off-campus Counseling by Haryana State Counseling Society. At PG level preference is given to GATE qualified candidates and then the merit of test conducted by University is followed. At Ph. D level also the preference is given to JRF/GATE/NET candidates & then merit list is prepared based on UG & PG percentage, marks obtained in the test and the marks by respective Departmental Research Committee.</p>				
6.2.2 : Implementation of e-governance in areas of operations:				
❖ Planning and Development: Yes, Partially				
❖ Administration: Yes, Partially				
❖ Finance and Accounts: Yes, Partially				
❖ Student Admission and Support: Yes, Partially				
❖ Examination: Yes, Partially				
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
2018	Prof. J.S. Rana	American Society for Microbiology and Indo-US Science and Technology Forum	NA	Nil
2018	Dr Krishan Kumar	Sustainable sanitation for the reduction of the spread of antimicrobial resistance through wastewater organized under “British Council Researcher Links” at Institute of Chemical Technology Mumbai from 05.02.2018 to 08.102.2018	TEQIP	14000/-
Jan 2018	Dr. Manju Rani	□ Global Innovators & Researchers Conclave	DCRUST, MURTHAL	NIL
25- 26 th April, 2018		□ Global Congress on Biotechnology, Nanotechnology, Energy and Environment	DCRUST, MURTHAL	NIL
	Anil Yadav	□ 2 nd International	India International Centre (IIC) Delhi	

2 nd July, 2017		Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017)		
6-8 th December 2017.		□ International Conference on Nanotechnology Ideas, Innovations & Initiatives-2017 (ICN3I-2017)	IIT Roorkee	Rs. 11000 (TEQIP)
23-25 February 2018		□ International conference on Recent Trends in Environment Sustainable Development	Vivekananda Global University, Jaipur	Rs. 9000 (University fund)
25-26 th April, 2018		□ Global Congress on Biotechnology, Nanotechnology, Energy and Environment	DCRUST, MURTHAL	NIL
July 16, 2017	Mamta Bhagat	□ 7 th International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2017)	IETE, Delhi	NIL
August 20, 2017		□ 3 rd International Conference on Advancement in Engineering Applied Sciences and Management	C-DAC, Mumbai,	NIL
October 14, 2017		□ 2 th International Conference on Conscientious and Unimpeachable Technologies (ICCUT-2017)	St. Andrews Institutes of Technology and Management, Gurugram	NIL
December 9, 2017		□ 6 th International Conference on New Frontiers of Engineering, Science, Management and Humanities (ICNFESHM-2017)	Auditorium of Institution of Electronics and Telecommunication Engineers, sector 30-B, Chandigarh	NIL
Jan 2018		□ Global Innovators & Researchers Conclave,	DCRUST, MURTHAL	NIL
		□ Global Congress	DCRUST, MURTHAL	NIL

25-26 th April, 2018		on Biotechnology, Nanotechnology, Energy and Environment		
2017-18	Er. Sunita Kumari	<p>1. Attended One week GIAN sponsored STC on “The Three R’s [Reliability, Robustness and Resilience] of Engineering System” Organized by Department of Mechanical Engineering, DCRUST, Murthal held from 9th to 13th October 2017.</p> <p>Attended One Week STC on “Concrete Mix Design – New Directions “Organized by Civil engineering Deptt., NITTTR, Chd from 20th Nov. to 24 Sept. 2017.</p> <p>2. Attended One week GIAN sponsored STC on “Concrete: Microstructure Characterization” Organized by Department of Civil Engineering, NITK, Surathkal held from 18th to 22nd June 2018.</p>	Nil	<p>1. GIAN – 2000/-</p> <p>2. TEQIP – 8000/-</p> <p>3. University Fund 32,000/-</p>
2017-18	Dr Sanjay Kumar	International conference on mathematical sciences and application	Central University of Chhattisgarh	Rs. 5500.00
2017-18	Dr. Vijay Tomar	1. International symposium on advances in mathematical sciences and applications in engineering and technology.	Poornima University	Rs. 7000.00
2017-18	Dr. Anil Kumar Narwal	<p>Six days professional skill development training program on "Patent filing procedure in India, patent search with exercise, patent specification, trademark, GI, copyright, design filing procedure".</p> <p>Attended during March 19-24, 2018 at RGNIPM, Nagpur.</p>	TEQIP-III	Rs 30,053/-

2017-18	Dr. Avdhes Kr. Sharma	Training workshop for faculty-Mentors on Induction Programme for New students, September 22-24, 2017	TEQIP-III	10,500/-
2017-18	Dr. Satish Khasa Dr. S K Singh Dr. B. P. Malik Dr. Pawan S Rana Dr. Vinod Kumar Dr Ashok Kumar Dr. Pardeep Dr. Ravinder	International Conference on Molecular Spectroscopy (ICMS 2017). ICONN-2017, SRM, DAE-BRNS	Magnetic Society of India	2,22,000/-
2017	Dr Anita Singhrova	Short Term Course on Complex Networks under GIAN initiative at IITD	TEQIP	10000/-+TA
2017	-Do-	Attended a one day Conference on Technology in Education		
2017	Ajmer Singh	International conference at MNIT Jaipur	TEQIP	8000+TA
2017	Rajvir Singh	NEXTCOM-2017 at CT Group of Institutions Jalandhar	TEQIP	8000+TA
2017	Dr Amita Malik	Orientation Programme on Youth Parliament	TEQIP	25000/-(TA)
2017	-do-	Continuing Education program on Complex Networks	TEQIP	10000/-+TA
2017	Dr Dinesh Singh	Induction Programme for New Students	TEQIP	TA

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	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2017-18	GIAN	NIL	11.9.2017-15.9.2017	8	NIL
2017-18	GIS	NIL	19.2.18-20.2.18	2	NIL
2018		Workshop of chairpersons of State Universities held on DCRUST, Murthal.	01st June 2018	1	0
2018	Global Congress on Biotechnology, Nanotechnology	NA	25-26 April 2018	9	3

	and Energy & Environment: GCBNE-2018				
2017	The three R's of Engineering Systems: Synthesis and applications, DCRUST, Murthal	--	Oct 9-13	50	NIL
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		Date and Duration (from – to)	
ECBC		4		8.11.2017	
Recent Advances in Highway Safety Engineering		4		5.2.18-9.2.18	
One week TEQIP sponsored FDP on Human Values & ethics at DTU		1		13 th to 18 th April 2018	
One day TEQIP sponsored workshop on Patent Filing Procedure at DTU		1		28th May 2018	
One day Workshop/ campaign on cancer Awareness		4		16 th March 2018	
Global Congress on Biotechnology, Nanotechnology and Energy & Environment: GCBNE-2018		9		25-26 April 2018	
Global Innovators and Researchers Conclave” held on at DCRUST, Murthal		9		20-21 January, 2018	
International Conference on Bio & Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry- ICBN-2018” held at GJUS&T, Hisar		1		21 st – 23 rd February 2018.	
HSCST sponsored Science Conclave organized by BPSMV, Khanpur Kalan, Sonipat		1		6 th -7 th October, 2017	
International Conference on “Microbes for Health and Wealth” organized by the Departmental of Microbiology & AMI-Rohtak Unit, at MDU, Rohtak, Haryana.		1		14 th Nov. 2017	
TEQIP –III sponsored One week Faculty Development Program on Polymer Analysis and Applications: Current Scenario		2		4-8, June 2018	
Advances in Pipeline Transportation of crude Oils		1		02-06 June, 2018	
Refresher course		1		Jan-18	
1. Attended One week GIAN sponsored STC on “The Three R's [Reliability, Robustness and Resilience] of Engineering System” Organized by Department of Mechanical Engineering, DCRUST, Murthal held from 9 th to 13 th October 2017. GIAN –		1		9th to 13th October, 2017	

2000/-			
2. Attended One Week STC on “Concrete Mix Design – New Directions “Organized by Civil engineering Deptt., NITTTTR, Chd from 20 th Nov. to 24 Sept. 2017. TEQIP – 8000/-		1	20th Nov. to 24th Sept., 2017
3. Attended One week GIAN sponsored STC on “Concrete: Microstructure Characterization” Organized by Department of Civil Engineering, NITK, Surathkal held from 18 th to 22 nd June 2018. University Fund – 32,000/-		1	18th to 22nd June 2018
4. Attended One week STC on Recent Advances in Highway Safety Engineering at CED, DCRUST, Murthal from 5 to 9 February 2018.		1	5th to 9th Feb. 2018
Framework for Integration of Engineering Curriculum with Modern Modes of Content Delivery by DCRUST Murthal		1	3 rd – 5 th July, 2018
Electric Power System by IIT Kharagpur at DCRUST Murthal		1	12 th June – 15 th July 2017
Signal and image processing: Issues, challenges and techniques		4	01/01/2018-12/01/2018
Mobile applications and development		5	19/02/2018-23/02/2018
3R- Reliability robustness resilience		4	Oct-17
Recent advances in Highway safety engineering		3	05/02/2018-09/02/2018
Global innovators and researchers Conclave		1	20-21/01/2018
Training workshop for faculty-Mentors on Induction Programme for New students, HBTU Kanpur		1	September 22-24, 2017
The three R’s of Engineering Systems: Synthesis and applications, DCRUST, Murthal		3	Oct 9-13, 2017
Recent advances in highway safety engineering, CED, DCRUST, Murthal.		1	Feb 05-09, 2018
State level Youth Red Cross Training Camp, IRCS, Panchkula		1	Jan 28-Feb 02, 2018
FEM in Engg, GJU Hisar,		1	Dec 18-22, 2017
Refresher course in Environmental Study		2	15 th Nov- 6 th Dec, 2017
Global Congress on Bio Technology, Nano Technology, Energy and Environment		1	25-26 April, 2018
Global Innovators and Researchers Conclave		1	20-21 Jan, 2018
STC		06	ONE WEEK
6.3.4 Faculty and Staff recruitment during the year (no. for permanent/fulltime recruitment):			
Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
Nil	Nil	Nil	Nil
6.3.5 Welfare schemes for			

Teaching	Professional Development Programmes, Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes			
Non teaching	Skill Enhancement Programme			
Students	Educational Tour, Scholarships			
6.4 Financial Management and Resource Mobilization				
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each): University regularly conducts internal and external financial audits by the State Government Agency and the University every year.				
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/ Grants received in Rs.		Purpose
Nil		Nil		-
6.4.2 Total corpus fund generated: 90 Lacs				
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	No	-	No	-
Administrative	No	-	No	-
6.5.2 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)				
Regular meeting with the promoters and the Directors of the affiliated colleges were held in which they were apprised by the benefits that shall accrue from autonomy.				
6.5.3 Activities and support from the Parent – Teacher Association (at least three)				
Parents Teachers meeting have been regularly conducted by the departments.				
6.5.4 Development programmes for support staff (at least three)				
They are made abreast of the computer knowledge & word, excel etc.				
6.5.5 Post Accreditation initiative(s) (mention at least three)				
6.5.6				
a. Submission of Data for AISHE portal : (Yes /No)				
b. Participation in NIRF : (Yes /No)				
c. ISO Certification : (Yes /No)				
d. NBA or any other quality audit : (Yes /No)				
6.5.7 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from----- to-----)	Number of participants
2017-18	Participated in NIRF Ranking	12.06.2017	2017-18	The university has participated in the NIRF ranking for Engineering, Architecture, Management and Overall
2017-18	Submission of Survey for AISHE	28.02.2018	2017-18	The university as a whole has participated

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-to)	Participants	
		Female	Male
Legal Rights Awareness among Women in India	07.11.2017	50	20
Cyber Security for Digital Shakti Project	12.11.2018	70	-

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

The University is very conscious about the Environment as evident from the following activities:

- University Campus is a no drinking, no non-vegetarian, no smoking, and no plastic zone
- Battery operated vehicles in the Campus
- Green House is in place
- Dead Leaves & waste papers are not allowed to put-on fire
- Shady trees alongside lush green lawns/parks
- Forest area / Nursery and Guava Gardens
- Establishment of a separate Horticulture section under construction wing
- Rain Water Harvesting
- Green Building Concept has been adopted

In addition to this the University & has taken alternate energy initiatives as under:

- Reduction of carbon emissions through use of renewable energy methods
- The use for Solar Light to lit the campus
- The Use of Solar Panels in the hostels & guest-house for water heating
- The Use of Solar Panels on the roof top of the Building for power generation.

Percentage of power requirement of the University met by the renewable energy sources: **2.5%**

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	-
Provision for lift	Yes	-
Ramp/ Rails	Yes	-
Braille Software/facilities	-	-
Rest Rooms	Yes	-
Scribes for examination	-	-
Special skill development for differently abled students	-	-
Any other similar facility	-	-

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational	Number of initiatives taken to engage with	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

	advantages and disadvantages	and contribute to local community				
2018	Promotion of local heritage/ folks	Cultural festival with initiative to introduction to folk culture of different states of India	12 – 16 Jan'2018	National Youth Festival 2018	Culture of India	2 students
2018	First Aid Training	Involvement of local community to traffic rules, first aid training communicable diseases	28.01.18 02.02.18	YRC camp	Red Cross activities	12 student 2 Teachers
2018	Blood Donation	Local persons introduced to advantages of blood donation to society	13.03.2018	Blood Donation camp	Blood Donation	136 Students 34 staff
2018	Environment Protection and tree plantation	Students sensitized about community role girl child importance to education, Swach Bharat Abhiyan.	05.03.2018 to 11.03.2018	7 day camp	NSS activities	150 students 3 Teachers
2018	Swach Bharat Abhiyan	Swachta Abhiyan in five villages, All villagers were involved with initiative and importance of cleanliness	09.07.2018- 25.07.2018	SBSI camp	Swach Bharat summer internship	69 Students 7 Teachers
2018	First Aid Training	Rules, First Aid Training, Communicable diseases	28.10.2018- 2.11.2018	YRC Camp	Red Cross activities	12 students 2 Teachers
7.1.5 Human Values and Professional Ethics						
Code of conduct (handbooks) for various stakeholders						
Title		Date of Publication		Follow up (maximum 100 words each)		
-		-		-		
7.1.6 Activities conducted for promotion of universal Values and Ethics						

Activity	Duration (from-----to-----)	Number of participants
-	-	-
7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)		
<ol style="list-style-type: none"> 1. Plantation & greenery is maintained throughout the campus. Shady trees are planted alongside lush green lawns/parks. Further, the forest area / Nursery and Guava Gardens are maintained. 2. Reduction of carbon emissions through use of renewable energy methods such as the use for Solar Light to lit the campus, Solar Panels in the hostels & guest-house for water heating and Solar Panels on the roof top of the Building for power generation. 3. University Campus is a no drinking, no non-vegetarian, no smoking, and no plastic zone 4. Battery operated vehicles in the Campus 5. Dead Leaves & waste papers are not allowed to put-on fire 6. Rain Water Harvesting is being done 7. Green Building Concept has been adopted 		

7.2 Best Practices
Describe at least two institutional best practices Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
<ol style="list-style-type: none"> 1. Savera School: The Savera volunteers (Students of the University) teach the students from 4:00 to 6:00 pm. Classes constitute of students from 1st to 12th class. A team of more than 90 volunteers are currently helping 150-200 underprivileged children of all levels, including students of +2 classes. Books and stationary are collected by the volunteers from different sources. Cultural and technical activities are organized various Festivals are celebrated at Savera School. 2. Robotic Club: The Objective of the Club is to create the next generation of Embedded Robotics Engineers with a practical outlook to provide practical solutions to real world problems. The Club organizes one month hobby class of Robotics in each semester after the office hours whrerin the teachers & senior student teach the Robotics skill to junior students. The University has decided to link this club to e-Yantra project, a project by IIT Bombay sponsored by MHRD through NMEICT, and established a Embedded System & Robotics Lab under e-Yantra Lab Setup Initiative (eLSI).

7.3 Institutional Distinctiveness
Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust Provide the weblink of the institution in not more than 500 words
<p>The University has been quite Quality Conscious and proactive in implementing Curriculum Reforms, Examination reforms & Faculty Development Activities as evident from the followings:</p> <ul style="list-style-type: none"> • University is regularly (avg. 4 years) revising its curriculum based on the input from all its stakeholders. • The new scheme & syllabus subsuming Learning outcome-based framework has already been approved by Academic Council of the University & implemented from the academic session 2018-19. • The University has decided to conduct Induction Programme for Students. • The University has been taking part in the projects from MHRD NMEICT, QEEE, e-Yantra etc. Courses through MOOCs have been allowed in the revised curriculum. • The University has adopted examination reforms. The University is having an online examination system. • Almost all the teachers undergo refresher courses, STP, Workshops at regular interval. Almost all the educational administrators have undergone leadership/ management training at IIMs. • The Faculty of the University has already been actively involved in R & D activities. They have been credited with research projects from various funding agencies & their research outcme has been published in national & international journals & conference proceedings of repute. <p>The faculty members of the University are already doing mentoring of non- accredited institutions.</p>
8. Future Plans of action for next academic year (500 words)

Keeping in view the Vision and the current strengths of the University, the overall capabilities of horizontal as well as vertical expansion of the University are worked out as under:

- The University wishes to start new programmes in the niche areas of technology and wishes to increase the intake of the existing in-demand programmes both at UG & PG levels.
- After morphing into a University, there arises a need of Integrated & Dual Degree Programmes. So, the University has started 5 Integrated & Dual Degree Programmes. Some more are in the pipeline in the next academic year.
- The real strength of a University is reflected by the level & quantum of research carried out in the University. However, the University is planning to expand the PhD enrollment without compromising quality.
- The University is having well equipped infrastructure for carrying out experiments & research. However, the University is planning to establish new laboratories and modernize the existing lab facilities to cater to the need arising due to expansion as well as change in curriculum.
- To meet the demands of all around expansions, there is dire need to extend the infrastructure of the University. The University wishes to complete all on-going infrastructure projects and wishes to start one teaching blocks, one hostel and one classroom complex in the upcoming year.
- The University is actively engaged in organizing technical activities such as workshops / STPs / conference for the exposure of the faculty members as well as researcher of the University. In the next year, a number of such activities are in the pipeline.
- The faculty is credited with publications in International & National Journals such as IEEE, IEE, EPSR, IE(I), IETE, ELSEVIER etc. & in International & National Conference Proceedings. In the upcoming year, more publications from faculty members & research scholars are in the pipeline.
- The University is credited with many prestigious projects such as TEQIP, RUSA and other projects from some of the funding agencies such as UGC, AICTE, DST, DRDO, etc. The University wishes to apply for more number of research & consultancy projects in the upcoming year.
- The University is having young but enthusiastic faculty with ample teaching & industrial experience & exposure. With the increase in the enrollment, there is need of more faculty members. In the upcoming year the University is planning to add nearly 100 more faculty members for which the advertisement is already out.
- To Increase the credibility of the Programme running in the University, the University has already started accreditation of technical programmes running in the University. However, the University wishes to accredit all its running technical programmes in the next academic year.

Name _____

Name _____

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

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Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence

For Communication with NAAC

The Director

National Assessment and Accreditation Council (NAAC)

(An Autonomous Institution of the University Grants Commission)

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