

ANNUAL REPORT PROFORMA
(01.07.2019 TO 30.06.2020)

- (I) Name of the Department: Environmental Science & Engineering
- (II) Year of Establishment: 1994
- (III) (a) State the vision of the Department: Pursuance for excellence to achieve Sustainable Development
- (b) State the mission of the Department: To impart training for capacity building, to tackle various Environmental Challenges in an Eco-friendly manner.
- (c) State the objective of the Department (As resolved by Staff Council):
- i) To offer professional and job oriented Course curricula
 - ii) To strengthen R & D activities.
 - iii) To offer consultancy and extension activities to stakeholders

(IV) Programme(s) offered in the department

Programme	Sanctioned intake	Present students' strength
Ph.D.	As per university norms	43
P.G.		
M.Sc. (EVS)	50+2	93
M.Tech. (ESE)	20	28
M.Tech (GIS)	20	22
U.G	----	--
Any other	----	--

(V) Faculty details

(Attach a list of the Faculty alongwith their qualifications, teaching and research experiences, and any specific achievements (if any))

Professor		Associate Professor		Assistant Professor		Assistant Professor (on contract/ Guest faculty/ Teaching Associate)
<i>Sanctioned</i>	<i>filled</i>	<i>Sanctioned</i>	<i>filled</i>	<i>Sanctioned</i>	<i>Filled</i>	
08	00(7 CAS)	04	02 promoted as Professor under CAS 01 on EOL)	08	08 (6 promoted as Professor under CAS)	02

List of the Regular Faculty along with their qualification and experience

Name of Teacher	Designation	Qualification	Experience (Years)	Aadhar No.	PAN No.	H. Index (Scopus Based)
Dr V.K. Garg (EOL)	Professor	M.Sc., Ph.D.	24	951654012672	ADNPG0110H	53
Dr. Narsi R. Bishnoi	-do-	M.Sc., Ph.D.	26	845833725575	ADGPB3750R	32
Dr. Parveen Sharma	-do-	M.Sc., Ph.D.	24.5	635252366900	AEZPS6087G	11
Dr. R. Baskar	Professor	M.Sc., Ph.D.	23	626258527766	AEKPB3463J	
Dr.(Ms.) Asha Gupta	Professor	M.Sc., Ph.D.	22	634704482638	ABCPG8331M	-
Dr. Mukul Bishnoi	Professor	M.Sc., Ph.D.	22	859701527945	ADJPB2419G	-
Dr.Rajesh Kumar	-do-	M.Tech.,Ph.D	16.5	534563936171	AIZPK2829A	6
Dr. Jitender Pal	Professor	M.Tech.,Ph.D	16.5	961062370984	AIIPP8446M	-
Dr. Anu Gupta	Assistant Professor	M.Tech.,Ph.D	8	8570098119	AMMPG2905 Q	5
Dr. Mona Sharma	Assistant Professor	M.Sc., Ph.D.	7	9991956470	EESPS1626J	10
Dr. Santosh Bhukal	Assistant Professor	M.Sc., Ph.D.	1.5	9569761057	BGYPB0683B	10

List of the Contract Faculty/Guest Faculty along with their qualification and experience

Name of Teacher	Designation	Qualification	Experience (Years)	Aadhar No.	PAN No.	H. Index (Scopus Based)
Dr. Anita Singh	Asstt. Prof.	M.Sc., Ph.D	3	523397004705	CKYPS6087H	05
Dr. Priyanka Singh	Asstt. Prof.	M.Sc., Ph.D	5	827439063696	EJIPS9054R	---

(VI) Office staff details

Designation	Sanctioned	Filled
Assistant-cum-DEO	1	-
Lab.Tech. Instrumentation	1	-
Store Keeper	1	1
Technical Asstt. Gr.II	1	-
Lab.Attdt	3	3
Clerk	1	1
Steno-Typist	1	1
Peon	2	2

Technical Asstt.Gr.I	1	2
Lab. Technician	2	2

(VII) a. Students detail in respect of M.Sc., M.Tech.M.Pharm.,M.Ph.Th., M.Com. MBA and MCA Programmes

Programme	Sanctioned Intake	Students admitted 1 st Year	Students Present in Final Year
Ph.D.	As per university norms		43
M.Sc. (EVS)	50+2	49	44
M.Tech. (ESE)	20	10	18
M.Tech (GIS)	20	13	9

b. Students' detail in respect of MCA Programme: NA

1 st Year		2 nd Year	3 rd Year
Sanctioned Intake	Students admitted	Students Present Second year	Students Present Third year

c. Students' detail in respect of B.Tech , B.Pharm. and B.P.Th. Programmes: NA

1 st Year		2 nd Year		3 rd Year	4 th Year
Sanctioned Intake	Students admitted	Sanctioned intake through LEET	Students Present Second year	Students Present third year	Students Present fourth year

(d) Detail of Foreign Students if any, admitted in the Department: NA

Sr. No.	Name of Course	No. of students Admitted	Name of Country

(VIII) Research Scholars

Intake capacity	Total no of Ph.D. students	Registered during the year	Thesis completed during the year	Specify number of different fellowships
As per University norms	43	07	03	01

(IX) Sponsored Research/ Consultancy Projects: NA

Title of the Project	Name of the Investigator(S)	Project in process	Awarded during the current year	Completed during the current year	Nature: Research/ Consultancy
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	TOTAL				

(X) Number of Publications of the Faculty (in Total)

Books and Book Chapters/Monographs etc		Research papers			
International	National	International		National	
6	3	Refereed	Non refereed	Refereed	Non refereed
		21		03	

(XI) Faculty wise detail of publication during the period

Prof. Narsi R. Bishnoi

b) Papers/ Articles in Journals

Author	Year	Title of paper	Name of journal	Publisher	Vol . & No.	Pages	Impact factor
Prof. Narsi R. Bishnoi	2020	An overview on bioethanol production from lignocellulosic feedstocks	Chemosphere	Elsevier	242		
Prof. Narsi R. Bishnoi	2020	Microalgal consortia for municipal wastewater treatment lipid augmentation and fatty acid profiling for biodiesel production	Journal of Photochemistry and Photobiology B: Biology	Elsevier	202		
Prof. Narsi R. Bishnoi	2020	Upgrading of microalgal consortia with CO ₂ from fermentation of wheat straw for phycoremediation of domestic wastewater	Bioresource Technology	Elsevier	305		
Prof. Narsi R. Bishnoi	2020	Exploration of low cost agro industrial waste substrate for cellulase and xylanase production using <i>Aspergillus heteromorphus</i>	Applied Water Science	Springer	10, 153		

Prof. Parveen Sharma

a) Books/Book Chapters/ Monograph etc.

Authors	Title	Year of publication	Type of books (Text/Reference/Report)
Urana R., Dahiya A., Sharma P. and Singh N	A review on rhizoremediation: the plant-microbes interaction enhances the degradation of polyaromatic hydrocarbons	2020	

b) Papers/ Articles in Journals

Authors	Year	Title of paper	Name of journal	Publishers	Vol . & No.	Pages	Impact factor
Urana R., Dahiya A., Sharma P. and Singh N	2019	Effects of Plant Growth Promoting Rhizobacteria on Phytoremediation of Phenanthrene Contaminated Sodic soil	POLYCYCLIC AROMATIC COMPOUNDS	Taylor and Francis Online	Vol 1	page no. 1-10	
Urana R., Dahiya A., Sharma P. and Singh N	2019	Effects of PGPR on Growth and Photosynthetic Pigment of Trigonella foneum-graceum and Brassica juncea in PAH-contaminated soil	S N APPLIED	Springer	Vol 1	page no 1-9	
Ekta Chaudhary, Praveen Sharma	2019	Chromium and Cadmium removal from wastewater using Duckweed-Lemna Gibbs L. and ultrastructural deformation due to metal toxicity	International Journal of Phytoremediation	Taylor and Francis	Vol. 21 & Issue 3	page no. 279-286	1.89
Mandeep Kaur, Praveen	2019	Response surface methodology approach for	Materials Today Communications,	Elsevier	Vol 21	page no 1-10	

Sharma, Santosh Kumari		Optimization of Cu ²⁺ and Pb ²⁺ removal using nanoadsorbent developed from Rice Husk					
Mandeep Kaur, Praveen Sharma, Santosh Kumari	2019	Equilibrium studies for copper removal from aqueous solution using nanoadsorbent synthesized from rice husk	S N APPLIED	Springer	Vol 1(9)	page no 1-9	
Mandeep Kaur, Praveen Sharma, Santosh Kumari	2019	Removal of Pb (II) from aqueous solution using nanoadsorbent of <i>Oryza sativa</i> husk: Isotherm, Kinetic and Thermodynamic studies	Biotechnology Reports	Elsevier	Vol 25	page no. 1-8	
Varinder Kaur & Praveen Sharma	2019	Effect of <i>Prosopis juliflora</i> Biochar on Physico-Chemical Properties of Naphthalene Phenanthrene Contaminated Soil	Polycyclic Aromatic Compounds	Taylor & Francis	Vol. 39	page no. 1-12	
Varinder Kaur & Praveen Sharma	2019	Role of <i>Prosopis juliflora</i> biochar in poly-aromatic hydrocarbon remediation using <i>Trifolium alexandrinum</i> L.	SN Applied Sciences	Springer	Vol. 1	page no. 1-11	
Varinder Kaur & Praveen Sharma	2019	Physico-chemical characterization of biochar derived from different raw materials	International Journal of Scientific Research and Reviews		Vol. 8, Issue 2	page no 451-468	
Varinder Kaur & Praveen Sharma	2020	Application of biochar as an adsorbent and its significance on berseem (<i>Trifolium</i>	Journal of Soil Science and Plant Nutrition	Springer		Page no 1-16	

		alexandrinum) growth parameters in farm soil contaminated with PAH.					
Mandeep Kaur, Praveen Sharma, Santosh Kumari	2020	Utilization of agricultural waste from paddy (rice) fields for the synthesis of nanocellulos	Journal of nanoscience and nanotechnology		Vol 20	page 1-8	
Mandeep Kaur, Praveen Sharma, Santosh Kumari	2020	State of art manufacturing and producing nanocellulose from agricultural waste: a review	Journal of Nanoscience & Nanotechnology,	American Scientific publishers	Vol 20	page no 1-10	
Ekta Chaudhary & Parveen Sharma	2020	Accumulation and removal of Cr by Lemna minor	Annals of Agri-bio research		21 ISSUE 3	page no. 279-286	

Prof. Asha Gupta

a) Books/Book Chapters/ Monograph etc.

Authors	Title	Year of publication	Type of books (Text/Reference/Report)
Prof. Asha Gupta	Book chapter: Estimation, Recovery and Control of Greenhouse Gases Emissions from municipal solid waste	2019	

a) Papers/ Articles in Journals

Authors	Year	Title of paper	Name of journal	Publishers	Vol . & No.	Pages	Impact factor
Saloni Gupta, Asha Gupta & Narsi Ram Bishnoi	2019	Qualitative Analysis of Sulfate Reducing Bacterial Activity in a Consortium.	Annals of Agri Bio Research	Agri. Bio. Publishers	35 & 2	255-259	0.112

Prof. Rajesh Lohchab

a) Books/Book Chapters/ Monograph etc.

Authors	Title	Year of publication	Type of books (Text/Reference/Report)

b) Papers/ Articles in Journals

Authors	Year	Title of paper	Name of journal	Publishers	Vol .& No.	Pages	Impact factor
Rajesh Kumar Lohchab	2019	Lime treatment of wastewater in a plywood industry to achieve the zero liquid discharge	Journal of Cleaner Production	Elsevier	240	118176	7.2
Rajesh Kumar Lohchab	2019	Impact of modifying conventional chlorine dioxide stage to hot chlorine dioxide during rice straw pulp bleaching on pulp, paper and effluent characteristics	Cellulose	Springer	26 (12)	7469-7482	4.80

Dr. Anu Gupta

a) Books/Book Chapters/ Monograph etc.

Authors	Title	Year of publication	Type of books (Text/Reference/Report)
Lata, M., & Gupta, A.	Role of Social Media in Environmental Democracy. In <i>Examining the Roles of IT and Social Media in Democratic Development and Social Change</i>	2020	Reference
Gupta, A	CSR and Sustainable Development : A Development Perspective	2019	Reference
Anu Gupta	Examining the Roles of IT and Social Media in Democratic Development and Social Change	2020	

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b) Papers/ Articles in Journals

Authors	Year	Title of paper	Name of journal	Publishers	Vol . & No.	Pages	Impact factor
Anu Gupta	2020	Improvement of Physiochemical Properties of Short Bamboo Fiber-Reinforced Composites Using Ceramic Fillers	Journal Of Natural Fibers	Taylor and Francis Ltd.	Volume 17	1582-1593	2.622
Anu Gupta	2020	Effect of Industrial Waste on Chemical and Water Absorption of Bamboo Fiber Reinforced Composites	Silicon	Springer	Volume 12	139–146	1.499

Dr. Mona Sharma

a) Books/Book Chapters/ Monograph etc.

Authors	Title	Year of publication	Type of books (Text/Reference/Report)
Mona, S., Kumar, V., Deepak, B., Kaushik, A.	Cyanobacteria: The Ecofriendly Tool for the Treatment of Industrial Wastewaters	2020	Reference
Mona, S., Bajar, S., Deepak, B., Kiran, B., Kaushik, A.	Microbial Cellulose: Production and Application In: Materials for Biomedical Engineering Absorbable Polymers	2019	Reference

Bhardwaj, A., Mona, S., Kaushik, C.P., Kaushik, A	. Bioremediation of High-Strength Post- Methanated Distillery Wastewater at Lab Scale by Using Constructed Wetland Technology	2019	Reference
Mona S., Bhateria, R., Deepak, B., Kiran, B., Nisha, R.	Biochar for Reclamation of Saline Soils	2019	Reference

b) Papers/ Articles in Journals

Authors	Year	Title of paper	Name of journal	Publishers	Vol & No.	Pages	Impact factor
Mona, S. Kumar S.S. Kumar, V. Parveen, K. Saini, N. Deepak, B. and Pugazhendhi A.	2020	Green technology for sustainable biohydrogen production (waste to energy): A review	Science of the Total Environment	Elsevier	728	138-481	6.551
Mona, S., Sujata, Yadav, A., Deepak, B.	2020	Role of Algal Biosensors in Water Pollution Monitoring.	International Journal of Engineering Research and Applications	Self Publishing	10(5)	13-16	6.185

Dr. Santosh Bhukal

a) Papers/ Articles in Journals

Authors	Year	Title of paper	Name of journal	Publishers	Vol . & No.	Pages	Impact factor
Ankush Sheoran, Manisha Dhiman, Santosh Bhukal , Rupal Malik, Jyoti Agarwal, Bhupendra Chudasama, Sonal Singhal	2019	Development of magnetically retrievable spinel nanoferrites as efficient catalysts for aminolysis of epoxides with amines	Materials Chemistry and Physics	Elsevier	222	207- 216	4.094

(XII) Participation of faculty in Seminars/Conferences/Workshops/Webinars and Refresher Courses etc. during the period

(a) Total Number of Seminars/Conferences attended by faculty and papers presented

Positions	Attended			Papers presented		
	International	National	Total	International	National	Total
Professors, Associate Professors & Assistant Professors	2	9	11	2	3	5

(b) International Conferences/ Seminars/ Workshops/Webinars

Name of the Teacher/Faculty	Title of paper presented	Theme of conference/ Seminar/ Workshop	Name of Host organization	Place	Dates
Prof. Asha Gupta	Comparative evaluation of Cd ion removal from aqueous solution by using iron oxide nanoparticles	Physical and Biological Sciences at Cross-roads: Interdisciplinary Exploration and Exciting Challenges,	Department of Chemistry, GJUS&T	GJU S & T, Hisar	29-31 Dec. 2019
Dr. Anu Gupta	Development and Characterization of Bamboo Based Sustainable Green Composites using industrial waste	ASEAN Bamboo Congress 2019	Ecosystems Research and Development Bureau Forestry Campus, UPLB, College Laguna	Iloilo City, Philippines	12-16 August 2019.
	TOTAL				

(c) National Conferences/ Seminars/ Workshops

Name of Teacher/Faculty	Title of paper presented	Theme of conference/ Seminar	Name of Host organization	Place	Dates
Dr. Anu Gupta	Development of Biochar from bamboo straw waste	National Conference on frontiers of Science, technology and management	Seth Jai Parkash Mukand lal institute of Engg. & technology,	Radaur, Haryana	Jan 23, 2020
Dr. Anu Gupta	Effect of rice straw derived biochar on	Recent Trends in the field of Environmental	Guru Jambheshwar University of Science &	Hisar, Haryana	20-21 Septe

	crop production	Science & Engineering	technology, Hisar		mber, 2019
Dr. Santosh Bhukal	Role of GIS in Analyzing Environmental Hazards	Recent Trends in the field of Environmental Science & Engineering (RTIFESE-2019)	Department of environmental sciences & engineering GJUS&T, Hisar	Hisar	20-21 September, 2019
	TOTAL				

(d) Regional/ State Level Conferences/ Seminars/ Workshops

Name of Teacher/ Faculty	Title of paper presented	Theme of Conference/ Seminar	Name of Host organization	Place	Dates
	TOTAL				

(e) Orientation Courses

Name of Teacher/Faculty	Title of Orientation Course	Host organization	Dept. and University	Place	Date
Dr. Anu Gupta	Orientation Programme-32	Guru Jambheshwar University of Science & Technology	Guru Jambheshwar University of Science & Technology,	Hisar, Haryana	23 May 2019-12 June 2019
Dr. Santosh Bhukal	Orientation Programme-32	Guru Jambheshwar University of Science & Technology, Hisar	Guru Jambheshwar University of Science & Technology,	Hisar, Haryana	23 May 2019-12 June 2019
Dr. Mona Sharma	Orientation Programme-32	Guru Jambheshwar University of Science & Technology, Hisar	Guru Jambheshwar University of Science & Technology,	Hisar, Haryana	23 May 2019-12 June 2019

(f) National/International Webinars Attended

Name of Teacher/Faculty	Title of Webinar	Host organization	Date
Dr. Anu Gupta	Workshop on Digital Initiatives of Government of India in Higher	Office of the Public Outreach, GJUS&T, Hisar	15 th July, 2019

	Education		
Dr. Anu Gupta	Hands on Training on creating Vertical Gardens”	Office of the Public Outreach and Department of Environmental Science & Engg., GJUS&T, Hisar	9 th August, 2019
Dr. Anu Gupta	Women Empowerment and Gender Sensitization	Women Cell, GJUS&T, Hisar	23 October, 2019
Anu Gupta	Additive Manufacturing & Process Optimization Organized by during	Mechanical Engineering Department, NITTTR, Chandigarh	9-13 April, 2020
Dr Mona Sharma	Impact of Covid-19 Pandemic in Reshaping Education	Motilal Nehru College, DU, New Delhi	May 14, 2020
Dr Mona Sharma	Digital Initiatives of Government of India in higher Education	Guru Jambheshwar University of Science & Technology, Hisar.	July 15, 2019
Dr Mona Sharma	MOOCs and Open Education Resources	UGC-HRDC, Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar.	July 22-27, 2019
Dr Mona Sharma	Hands on Training on Creating Vertical Gardens	Department of Environmental Science & Engineering, Guru Jambheshwar University of Science & Technology, Hisar.	August 09, 2019
Dr Mona Sharma	Geosciences Information for Teachers (GIFT)	Department of Environmental Science & Engineering, Guru Jambheshwar University	September 02, 2019

		of Science & Technology, Hisar.	
Dr. Santosh Bhukal	Geosciences information for teachers (GIFT) As a resource person	Department of environmental sciences & engineering GJUS&T, Hisar.	2 September 2019
Dr. Santosh Bhukal (Participated)	Application of geospatial and molecular tools in natural resource conservation and management	Department of ecology and Environment Science, Assam University, Silchar International webinar	29 July 2020
Dr. Santosh Bhukal (Co-Coordinator of Webinar)	Covid-19 and its Relation to Environment on World Environment Day	Department of environmental sciences & engineering GJUS&T, Hisar	5 th June, 2020
Dr. Santosh Bhukal (Organizing secretary)	Recent Trends in the field of Environmental Science & Engineering (RTIFESE-2019)	Department of environmental sciences & engineering GJUS&T, Hisar	20-21 September, 2019
Dr. Santosh Bhukal (Resources person)	Geosciences information for teachers (GIFT)	Department of environmental sciences & engineering GJUS&T, Hisar.	2 September 2019
Dr. Santosh Bhukal (Participated)	Hands on training on creating vertical garden	Department of Environmental sciences & engineering GJUS&T, Hisar.	9 August 2019
Dr. Santosh Bhukal (Participated)	RUSA sponsored one week workshop on “MOOCs and open Education Resources	UGC-Human resource development Centre GJUS&T, Hisar	22-27 July 2019.
Dr. Santosh Bhukal (Co-Convener)	Workshop on digital initiatives of GOI in higher education	Deptt. of Environmental sciences & engineering GJUS&T, Hisar	15 July 2019
Dr Mona Sharma	International Webinar on “Science and Engineering for Nature Conservation”		06 May 2020

(g) Total number of Oriented Courses attended:

- i) Oriented Courses :03
- ii) Webinars :18
- iii) Total :21

(XIII) Association with National and State Level Bodies (Give teacher-wise details)

Prof. R. Baskar

- i. Membership of Professional Bodies:
- ii. Member of Expert Committees :

Post Graduate Diploma in Environmental and Occupational Health
Programme PGDEOH: Courses: MEV-001; MEV-002; MEV-003; MEV-004;
MEV-005; MEVP-001; MEVE-001; MEVE-002; MEVE-003; MEVE-
004 Programme Design and Expert Committee Member

iii. Member of Academic Bodies of other institutions:

International

1. IUGS-IGEO Geoscience Education Field Officer
2. Corresponding member, Commission on Geoscience for Environmental Management (GEM), (IUGS), The Netherlands.
3. Member of the Association of Geoscientists for International development (AGID)
4. Deputy Counsellor in India, IGEO (International Geoscience Education Organization)
5. Member, Project on the Indian Heritage Stone Program (IUGS)
6. Research Advisor of the Asia-Pacific Science Center (APACSCI) w.e.f 13th January 2020, Singapore
7. Member, Sigma Xi, The Scientific Research Honor Society, USA.
8. Member, International Association for promoting Geoethics, Italy.
9. Member, IUGS Geoheritage Collections Working group.
10. Member, Steering Committee for the Global Network for Geoscience and Society, Geology in the Public Interest (GPI), Washington.

National

1. Life Member, Indian Science Congress Association, Calcutta.
2. Fellow, GSI, Bangalore
3. Fellow, Society of Earth Scientists, India
4. Member, Editorial Board, Journal Nature and Environment, Society Green Cover.
5. Regional Co-ordinator, Hisar district for Society for Promotion of Science and Technology in India (SPSTI). Also, Committee member of Celebration of Important days and Environment related activities, SPSTI.
6. Member of the Sectional Committee of the section of Earth System Sciences, ISCA 2014-2015 (102nd Session of the Indian Science Congress).
7. Life Member, Gondwana Geological Society (GGS) Nagpur
8. Life Member, Association of Microbiologists of India.

BoS / Academic bodies

1. Member, Board of Studies, North-Eastern Hill University, Shillong (05.09.2017 to 04.09.2020).
2. Area Expert, Board of Studies, Amity Institute of Environmental Sciences, Amity University, Noida
3. Member, School Board, School of Earth, Environment and Space Studies, Central University of Haryana, Haryana (19.06.2018 to 18.06.2021).
4. Member, School Board, School of Sciences, IGNOU, New Delhi (28th October 2019 to 27th October 2021).
5. Member, Board of Studies, Department of Geology, School of Earth and Environmental Sciences, Central University of Punjab, Bathinda with effect from 27th February 2020 to 26th February 2022.
6. Member, Board of Studies, Institute of Environmental Studies, Kurukshetra

University, Kurukshetra 17.06.2020 to 16.06.2022).

7. Member, Board of Studies, Amity Institute of Environmental Toxicology, Safety and Management, Amity University, Noida.

Content Editor:

1. Program: MSc Environmental Science (IGNOU), Course Earth Processes, Block 3 Hydrology; 2020 (Unit 1: Introduction to Oceanography; Unit 2: Ocean Currents; Unit 3: Hydrology; Unit 4: Hydrogeology)
2. Program: MSc Environmental Science (IGNOU), Course Earth Processes, Block 1 Earth processes; 2020 (Unit 1: Origin and formation of the earth; Unit 2: Plate Tectonics; Unit 3: Earth Surface Processes; Unit 4: Rocks and Minerals)
3. Program: MSc Environmental Science (IGNOU), Course Disaster Management, Block 1 Disaster preparedness and mitigation; 2020 (Unit 1: Concepts, Types and Challenges of Disasters; Unit 2: Disaster Preparedness; Unit 3: Disaster Mitigation; Unit 4: Disaster Mitigation Strategies)
4. Program: MSc Environmental Science (IGNOU), Disaster Management, Block 2 Risk Assessment and Vulnerability; 2020 (Unit 1: Fundamentals of Risk and Vulnerability Concepts; Unit 2: Risk and Vulnerability Assessment for Geological Hazards Disaster ; Unit 3: Risk and Vulnerability Assessment for Hydrological Hazards)
5. Program: MSc Environmental Science (IGNOU), Disaster Management, Block 3 Disaster Medical Management; 2020 (Unit 1: Planning and Preparedness, Unit 2: Public Health Response and Relief Measures, Unit 3: Disaster Epidemiology, Unit 4: International Cooperation for Disaster Medical Management).
6. Program: MSc Environmental Science (IGNOU), Disaster Management, Block 4 Agencies and Government in Disaster Preparedness; 2020 (Unit 1: Role and responsibilities of different agencies, Unit 2: Education and Technologies for Disaster Management, Unit 3: Reconstruction and Rehabilitation, Unit 4: Disaster Management in India.

Unit writer:

1. Program: MSc Environmental Science (IGNOU), Course Earth Processes, Block 4 Natural Hazards, Unit I Introduction to Natural Hazards by R Baskar and S Baskar
2. Program: BSc Geology (IGNOU), Course Elements of Applied Geology, Block 4: Emerging Areas and Applications; Unit 15: Medical Geology, Forensic Geology and Geobiology by R Baskar and S Baskar

Study Material – E-pathshala- M. Sc. Environmental Sciences

1. Paper coordinator for Environmental Geology (24 modules)

Study Material - MOOC

1. MOOC AMU Environmental Education, National Resource Centre (NRC), AMU, Aligarh, "Restriction of Radioactive Pollution"-39 C

Reviewer/Expert**Journals**

1. Reviewer of Journal Geological Society of India, Bangalore
2. Reviewer of International Journal of Speleology
3. Reviewer, Royal Society of Chemistry Advances.
4. Reviewer, Geomicrobiology Journal
5. Reviewer, NIDM's Journal Disaster and Development

Examiner

1. Examiner (papersetting, evaluation and practicals) KUK, CDLU, MDU, AMU,

- PU, Chandigarh University, CUH
2. PhD Examiner, Panjab University, Chandigarh, Aligarh Muslim University, Aligarh, MDU Rohtak, GNDU Amritsar, Doon University, Dehradun, Pune University, Pune, PT Ravi Shankar Shukla University, Raipur, Chattisgarh, IGNOU, New Delhi.

Outreach activities:

Popular / General Articles

1. Gina P. Correia, Giulia Realdon, Guillaume Coupechoux, Xavier Juan, Ramanathan Baskar, Yamina Bourgeois and Chris King. 2020. Geoscience Education Field Officer international programme: The first year of activity (May 2019 – April 2020). No 10, August/September 2020; The Association for Science Education, UK.

Contribution to E-Resources

Study Material - PG Diploma in Environment and Occupational Health (IGNOU, New Delhi); MSc Environmental Science (IGNOU)

Dr. Anu Gupta

- I. Membership of Professional Bodies: IUPAC, IAENG
- II. Member of Expert Committees :
- III. Member of Academic Bodies of other institutions: Member ,PGBOS , Dept. of Social Work, CBLU, Bhiwani.

- IV. Any other

(XIV) Detail of Consultancy Project/Work in Department

Name of Teacher	Title of the project/work	Name of Agency	Total Amount

(XV) Lectures (other than class) delivered (Give teacher wise detail)

Prof. R. Baskar

Type	Topic/ Subject	Institution	Dates
Invited talk delivered in refresher courses	1.Lecture on Natural Hazards; Disaster Management	GJUS&T	08.10.2019
	2. Lecture on Natural Hazards and Disaster Management	GJUS&T	9.12.2019
	3. Lecture on Natural Hazards and Disaster Management	GJUS&T	9.12.2019
	3. Lecture on Natural Hazards and Disaster Management		
Extension lectures			

Any other	<ol style="list-style-type: none"> 1. Lecture on 'Disaster Management', National Workshop on 'Environmental management 2. Orientation Course, Lecture on Disaster Management: An Overview 	Central University of Punjab, Bathinda Panjabi University, Patiala	4th September 2019 9.11.2019
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Dr. Anu Gupta

Type	Topic/ Subject	Institution	Dates
Extension lectures	Role of Women in Entrepreneurship	Agrobuisness Incubation Centre , CCS Haryana Agricultural University, Hisar	29 Februrary,2020
Any other			

Type	Topic/ Subject	Institution	Dates
Invited talk delivered in refresher courses			
Extension lectures			
Any other			

(XVI) Additional Duties Performed/Positions held in the University

(Teacher-wise)

Sr. No.	Name of Teacher	Additional Positions	Duration From To
1.	Prof. Narsi R. Bishnoi	Dean Research	2019-2021
2.	Prof. Praveen Sharma	Dean Faculty of FBEST	2019-2022
3.	Prof. Asha Gupta	Chairperson, Deptt. of Civil Engg.	2019-Till date
4.	Prof. R. Baskar	Chairperson, Deptt. of ESE	2019-2020
5.	Prof. Rajesh Kumar	Dean Alumni	2019-Till date
6.	Dr. Anu Gupta	Coordinator, GH-II, Girls Hostel	Oct, 2018- Till date
7.	Dr.Mona Shrama	Coordinator, GH-I, Girls Hostel	Oct, 2018- Till date

(XVII) Training/Internship& Placement activity Information of the Department

Activity (Training/Internship /Placement)	No. of Students placed	No. of Companies in which placed*
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Training (M.Sc. + M.Tech)	49+18	

*Note:- Please attach a list of companies alongwith number of students placed and dates of placement.

(XVIII) Detail of Academic Activities/Professional Activities/
Programmes Organized in Department during the year:

i. Seminar /Conference/Refreshers course/Workshop/Training
Programme

Name of the Event	National/ International	Number of Participants	Duration	Dates of the Event
National Conference on Recent Trends in the field of Environment Science & Engineering	National	200	Two days	September 20- 21, 2019
Hands of Training on Creating Vertical Gardens	National	70	One day	August 9, 2019
Digital Initiatives of GOI in Higher Education	National	60	One day	July 15, 2019

ii. Extension lecture : (with resource person & date): NA

Topic	Resource Person	Number of Participants	Dates of the Event

iii. Students tour

Places Visited	Number of Participants	Duration	Dates of the Event
Ladhwa, Hisar	50	One Day	September 2019

iv. Industry interaction programs : (with name of company & date): NA

Name of the Event	Name of the Industry	Number of Participants	Duration	Dates of the Event

(XIX) Awards/ Honours received by Faculty (Give teacher-wise details about
title of award, awarding agency and date of conferment)

Name of Teacher	Title of Award	Name of Awarding Agency	National/ International	Date Conferred

(XX) Any other important Information/ Achievement of the Department

Signature of the Chairperson