

ANNUAL REPORT (01.07.2020 to 30.06.2021)

DEPARTMENT OF ENVIRONMENTAL SCIENCE & ENGINEERING

- (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	63
P.G.		
M.Sc. (EVS)	50	100
M.Tech. (ESE)	20	35
M.Tech (GIS)	20	21
U.G	----	--
Any other	----	--

(V) Faculty details

(Attach a list of the Faculty along with 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 promote d as Professo r under CAS)	01

List of the Regular Faculty along with their qualification and experience

Name of Teacher	Designation	Qualification	Experience (Years)	H. Index (Scopus Based)
Dr. Narsi R. Bishnoi	-do-	M.Sc., Ph.D.	26	32
Dr. Parveen Sharma	-do-	M.Sc., Ph.D.	24.5	11
Dr. R. Baskar	Professor	M.Sc., Ph.D.	23	
Dr. (Ms.) Asha Gupta	Professor	M.Sc., Ph.D.	22	-
Dr. Mukul Bishnoi	Professor	M.Sc., Ph.D.	22	-
Dr. Rajesh Kumar	-do-	M.Tech.,Ph.D	16.5	6
Dr. Jitender Pal	Professor	M.Tech.,Ph.D	16.5	-
Dr. Anu Gupta	Assistant Professor	M.Tech.,Ph.D	8	5
Dr. Mona Sharma	Assistant Professor	M.Sc., Ph.D.	7	10
Dr. Santosh Bhukal	Assistant Professor	M.Sc., Ph.D.	1.5	10
Dr. Anita Singh Kirrolia	Assistant Professor	M.Sc., Ph.D.	7	8
Dr. Lakhvinder Singh	Assistant Professor	M.Sc., Ph.D.	8	8

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

Name of Teacher	Designation	Qualification	Experience (Years)	H. Index (Scopus Based)
Dr. Priyanka Singh	Asstt. Prof.	M.Sc., Ph.D	6	---

(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 1st Year	Students Present in Final Year
Ph.D.	As per university norms		63

M.Sc. (EVS)	50	51	49
M.Tech. (ESE)	20	17	18
M.Tech (GIS)	20	13	8

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	63	NIL	03	10

(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
	TOTAL				

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

Books and Book Chapters/Monographs etc		Research papers			
International	National	International		National	
		Refereed	Non refereed	Refereed	Non refereed
-	4			01	
		5			

(XI) Faculty wise detail of publication during the period

Prof. Parveen Sharma

a) Books/Book Chapters/ Monograph etc.: -

Not Available

b) Papers/ Articles in Journals

Authors	Year	Title of paper	Name of journal	Publishers	Vol . & No.	Pages	Impact factor
Varinder Kaur & Praveen Sharma	2020	Effect of mixed wood biochar on physico-chemical properties of sandy soil, Haryana region, India.	<u>Environment & We: An International Journal of Science & Technology.</u>	(Accepted for publication/ Reference no. "EWIJST RA 20044")	-	-	-
Kirty Sharma, Praveen Sharma, Marry Celin, Pritam Sangwan	2021	Degradation of high energetic material hexahydroxy1, 3,5-trinitro-1,3,5-triazine(RDX) by a microbial consortium using response surface methodological approach	SN Applied sciences	Springer	-	1-8	3.02
Ekta Chaudhary, Praveen Sharma	2021	Effect of cadmium on nutrient conc. In Duckweed: a case of Lemna minor and Lemna gibba	Environmental sustainability	Springer	-	-	-
Manmohanlal, Praveen Sharma, Chhotu Ram	2021	Calcination temperature effect on titanium oxide(TiO2) nanoparticle synthesis	Optik	Elsevier	241	166934	2.443
Promila, Elisha Mothi Kumar, Praveen Sharma	2021	Mapping Transformation of Degraded Lands to Potential Agro-Forestry in West Haryana, India: A Geo-Spatial Approach	Journal of Indian Society of Remote Sensing	Springer	49	1-3	-

Prof. R. Basker

Authors	Title	Year of publication	Type of books (Text/Reference/Report)
Baskar S and Baskar R.	Cave Ecosystems: Sites for potential biogenic	2021 (Accepted)	Reference

	signatures. In: Cave Science: Insights from the Indian subcontinent (Accepted)		
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Dr. Anu Gupta

a) Books/Book Chapters/ Monograph etc.

Authors	Title	Year of publication	Type of books (Text/Reference/Report)
Lata, M., & Gupta, A.	Education During the Pandemic: Technology-Based Solutions , <i>Stakeholder Strategies Reducing Impact Global Health Crises</i> , PP 209-224, IGI-Global	2021	Reference
Bhardwaj, A., Gupta, A.; Kumar, S	CSR as a Stakeholder to the COVID-19 Pandemic, <i>Stakeholder Strategies Reducing Impact Global Health Crises</i> , 169-186, IGI-Global	2021	Reference

b) Papers/ Articles in Journals:- Not available

Dr. Mona Sharma

a) Books/Book Chapters/ Monograph etc.:- Not available

b) Papers/ Articles in Journals

Authors	Year	Title of paper	Name of journal	Publishers	Vol . & No.	Pages	Impact factor
Mona, S. Malyan S.K., Saini, N., Deepak, B., Pugazhendhi A. Kumar S.S.	2021	Towards sustainable agriculture with carbon sequestration, and greenhouse gas mitigation using algal biochar	Chemosphere	Elsevier	275	129856	5.778

Dr. Santosh Bhukal

a) Books/Book Chapters/ Monograph etc.

Authors	Title	Year of publication	Type of books (Text/Reference/Report)
Shafila Bansal, Priya	COVID-19 PANDEMIC: A BOON OR BANE TO THE	2021	Reference

Saharan, Santosh Bhukal*	ENVIRONMENT		
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b) Papers/ Articles in Journals:- Not available

(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	5	7	12	4	6	10

(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
Dr. Anu Gupta	Isolation, Screening and Characterization of Parathion Degrading Bacterial Isolates from Pesticide Contaminated Soil	International conference “ Aatamnirbharbharat : Technological and Preparedness in the Post COVID World”	Deenbandhu Chhotu Ram University of Science & Technology	Murthal (Sonepat)	March 22-23, 2021
Dr Mona Sharma	-	International Summits and Conference on Materials Science, Nanotechnology & Bio-Manufacturing (ISCMNB’ 2021)	Sepang, Bandar Baru Salak Tinggi, 43900 Selangor, Malaysia	Selangor, Malaysia	May 25-28, 2021
	Algal Biochar: A Sustainable Approach for Environmental Remediation	International conference “ Aatamnirbharbharat : Technological and Preparedness in the Post COVID World”	DCRUST, Murthal	DCRUST, Murthal	22-23rd March, 2021
Dr. Santosh Bhukal	Nanotechnology: Applications in Environmental Protection	International conference “ Aatamnirbharbharat : Technological and Preparedness in the Post COVID World”	Deenbandhu Chhotu Ram University of Science & Technology	Murthal (Sonepat)	March 22-23, 2021

	TOTAL	04			
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(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 and Characterization of bio char from rice straw: A solution towards sustainable agriculture	National Conference on sustainable development and climate change	Amity university	Gwalior	3 rd feb 2021
	Review on low cost nano adsorbent for wastewater treatment”,	Advances in interdisciplinary research for sustainable future	Sri Guru Granth Sahib World University,	Fategarh Sahib,	March 15-16,2021
Dr Mona Sharma	Automobile Industry towards Carbon Footprint Reduction for Sustainable Manufacturing	Advances in Interdisciplinary research for Sustainable Future	Sri Guru Granth Sahib World University in association with Indian Science Congress Association	Sri Guru Granth Sahib World University	15-16 th March, 2021
Dr. Santosh Bhukal	Participated	Application of geospatial and molecular tools in natural resource conservation and management	Department of ecology and environmental science	Assam University , Silchar	29 th July 2020.
	Review on low cost nano adsorbent for wastewater treatment”,	Advances in interdisciplinary research for sustainable future	Sri Guru Granth Sahib World University,	Fategarh Sahib,	March 15-16,2021
	Disturbed Aesthetics of Human Lifestyle: A Study of Negative Impacts of WFH during Covid Crisis	Advancing Management: Innovation, Engagement and Impact in the post COVID era"	KIET Group of Institutions	Ghaziabad KIET School of Management	6 August 2021
	Role of different metal based nanoparticles in plant protection and fertilization (<i>Oryza sativa</i>).	National Conference on Emerging Trends to Heal the Earth and Environment	School of Interdisciplinary and Trans-disciplinary Studies (SOITS, IGNOU)	New Delhi Save The Environment (STE), Kolkata	18 Sept. 2021

Dr. Anita Singh Kirrolia	Participated	Online workshop on “Implementation of NEP-2020 for quality online and open distance learning (ODL)”	NITTTER	Chandigarh	One day on 28.04.2021
	Participated	National workshop on “Writing Research Proposal” of Management Studies and Research	Institute of Management Studies and Research in Collaboration with Chaudhary Ranbir Singh Institute of Social and Economic Change, MDU	Rohtak	30 th April, 2021
	TOTAL	09			

(d) Regional/ State Level Conferences/ Seminars/ Workshops:- Not available

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

(e) Orientation Courses/Refresher courses

Name of Teacher/Faculty	Title of Orientation Course	Host organization	Dept. and University	Place	Date
Dr. Anu Gupta	Refresher Course on Earth System Sciences for Mitigating Disasters and Climate Change in Environmental & Earth Sciences	NIT	Kurukshetra University	Kurukshetra	7-19 Dec,2020
Dr. Santosh Bhukal	Refresher Course on Earth System Sciences for Mitigating Disasters and Climate Change in Environmental & Earth Sciences	NIT	Kurukshetra University	Kurukshetra	7-19 Dec,2020
Dr. Anita Singh Kirrolia	UGC sponsored One-Month Faculty Induction	GJUS&T, Hisar	UGC-HRDC, GJUS&T, Hisar	Hisar	08-02-2021 to 13-03-2021

	Programme-4				
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(f) National/International Webinars Attended

Name of Teacher/Faculty	Title of Webinar	Host organization	Date
Dr. Anu Gupta	TEQIP-III Sponsored online one week Short Term Course on “Plastic Waste: Environmental Impact, Recycling & Management”	Department of Chemical Engineering, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat.	1st to 5th March, 2021
	One-Week Faculty Development Programme on “Green Technologies and Environmental Sciences	J.C. Bose University of Science & Technology, YMCA, Faridabad.	7-12 sept, 2020
	TEQIP-III Sponsored One Week Online Short Term Course on Effective Tools and Techniques in Qualitative Research,	NIT Jalandhar	August 10-14, 2020
Dr Mona Sharma	Impact of Covid-19 Pandemic in Reshaping Education	Dimension- The Mathematics Society of Motilal Nehru College, DU, New Delhi	May 14, 2020
	Environmental Impacts of Covid-19 Pandemic: Challenges and Future Research	University School of Environment Management, GGS IPU, New Delhi	May 27 to June 01, 2020
	Science and Engineering for Nature Conservation	Department of Environmental Science, JCBUST, YMCA, Faridabad	June 05, 2020
	Ozone Layer Protection and Preservation	Department of Environmental Science and Engineering, GJUS&T, Hisar	September 22, 2020
	Climate Change	Department of Alumni Relation, GJUST, Hisar	October 07, 2020
	Disaster Risk Reduction	Department of Environmental Science & Engineering, GJUS&T, Hisar	October 13, 2020
	International E-Waste Day	Department of Environmental Science & Engineering, GJUS&T, Hisar	October 14, 2020 2020
Dr. Santosh Bhukal	TEQIP-III Sponsored online one week Short Term Course on “Plastic Waste: Environmental Impact, Recycling & Management”	Department of Chemical Engineering, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat.	1st to 5th March, 2021
	One-Week Faculty Development Programme on “Green Technologies and Environmental Sciences	J.C. Bose University of Science & Technology, YMCA, Faridabad.	7-12 sept, 2020
Dr. Anita Singh	One day online National	Department of Environmental	April 22,

Kirrolia	Webinar on “Restore Our Earth (Earth Day-2021)”	Sciences, Indira Gandhi University, Meerpur, Rewari (Haryana)	2021
	4-hour Webinar on “Ecosystem Restoration” on the occasion of World Environment Day	School of Engineering and Technology and Department of Environmental Studies, Central University of Haryana in association with Youth Red Cross Society, National Service Scheme and Indian Water Resource Society (IIT Roorkee)	June 05, 2021
	One Day Webinar on International Day of Yoga on “Role of Yogic Practices in Present Pandemic Scenario”	Department of Physiotherapy, Guru Jambheshwar University of Science & Technology, Hisar	21 st June, 2021
	Webinar on “Role of Teachers in National Education Policy-2020 (NEP-2020)”	Bhartiya Sikshan Mandal and NITI Aayog in collaboration with GJUS&T, Hisar	14.02.2021

(g) Total number of Oriented Courses attended:

i)	Oriented Courses/Refresher Courses	:03
ii)	Webinars	:16
iii)	Total	:19

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

Prof. R. Baskar

MEMBERSHIP, PROFESSIONAL ORGANISATIONS

Membership, Professional Organizations

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. Member, Sigma Xi, The Scientific Research Honor Society, USA.
7. Member, International Association for promoting Geoethics, Italy.
8. Member, IUGS Geoheritage Collections Working group.
9. 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.
 9. Member of the Sectional Committee of the section of Earth System Sciences, ISCA 2017-2018 (105th Session of the Indian Science Congress).
 10. Member, Awards Nomination Committee, Geological Society of India, June 2021

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 (paper setting, 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.
3. PhD Examiner GGS Indraprastha University, New Delhi, 10th March 2021 (online).
4. MDU Examiner, 1st April 2021.
5. Expert, Student Research Committee, Delhi Technological University, Delhi, 13th April 2021.

Subject expert

1. Union Public Service Commission (UPSC), New Delhi 12.10.2020 to 14.10.2020.
2. Subject Expert, IIT, Delhi -Committee for extension of CSIR (SRF) and evaluating PhD progress (28.10.2020).
3. Maharshi Dayanad University, Rohtak, Selection Committee, 20th November 2020.
4. Panjab University, Chandigarh, Selection Committee, 24th January 2021.
5. Subject Expert, SOITS, IGNOU, New Delhi -Committee for extension of CSIR (SRF) and evaluating PhD progress (12.02.2021).

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.
8. Member, Board of Studies, Department of Vocational Studies and Skill Development, Central University of Haryana, Haryana (14.09.2020 to 13.09.2023).
9. Member, Governing Council, Society for Promotion of Science and Technology in

India (SPSTI), 17th October 2020 to 16th October 2025.

10. Member, Board of Studies, Department of Environmental Sciences, Central University of Jammu, Jammu with effect from 29th December 2020 to 28th December 2023.

Contribution to E-Resources

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

Expert Committee member:

1. 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

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 - MOOC

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

Study Material – SWAYAM

1. Earthquakes: Course MEV-002, Environmental and Occupational Hazards, 3rd November, 2020, SWAYAM (IGNOU).
2. Floods: Course MEV-002, Environmental and Occupational Hazards, 4th November, 2020. SWAYAM (IGNOU).
3. Volcanoes: Course MEV-002, Environmental and Occupational Hazards, 5th

- November, 2020. SWAYAM (IGNOU).
4. Landslides: Course MEV-002, Environmental and Occupational Hazards, 17th November, 2020. SWAYAM (IGNOU).
 5. EIA Laws and guidelines: Course MEV-001, Environmental and Occupational Hazards, 17th November, 2020. SWAYAM (IGNOU).
 6. Noise impact on Human health: Course MEV-001, Environmental and Occupational Hazards, 18th November, 2020. SWAYAM (IGNOU).

Outreach activities:

Participation in Corporate Life:

- (a) College/University/Institution Various administrative and academic duties yes
1. Admission, examination work, proctorial duties and other duties assigned by department/university from time to time like Admission committee, Study Tour Incharge, Credit Seminar Incharge, Timetable Incharge, Centre Superintendent, Deputy Superintendent, Invigilator/paper setter/evaluator for conduct of examinations (both regular as well as distance examinations).
 2. Member, Enforcement of students Discipline, Good Behavior, Residence and Health 25.7.2019 to 15.7.2021.
 3. Member, Faculty of Environmental and Biosciences & Technology, 25-07-2019 to 24.07.2021.
 4. Member, Silver Jubilee Celebration Committee
 5. Duty Magistrate, Containment and Buffer zone (COVID-19), Hisar from 11/07/2020 to 4/08/2020.
 6. Local Co-ordinator, GIAN (Global Initiative of Academic Networks, Ministry of Education), Guru Jambheshwar University of Science, and Technology, Hisar (5/03/2021 to 4/03/2022).
 7. In-Charge, Department of Environmental Science and Engineering, Guru Jambheshwar University of Science, and Technology, Hisar (15th April 2021 to 7th June 2021).
 8. Convenor, Department Anti-ragging Committee 2020-2021.
 9. Program Co-ordinator, MSc 2020-2021.
 10. Webinar Coordinator, Natural Disasters, October 10-13, 2020.
 11. Convenor, Evaluation of PhD reports, 2020
 12. Member, MSc Environmental Science, Admission Committee 2020
 13. Member, MSc Environmental Science, Induction program. 17th December 2020
 14. Member, Admission Committee, Pre-Ph.D program December 2020
 15. Convenor, Monitoring and Vigilance Committee, Solid Waste Management rules w.e.f 9th June 2021.

Conferences / Seminars / Training programs / Orientation / Refresher courses organized

1. Webinar Coordinator, International Day for Disaster Risk Reduction, Department of Environmental Science and Engineering, GJUST, Hisar 13th October 2020.
2. Hosting the virtual Annual General Meeting (AGM-2021) of the Geological Society of India, Bangalore, coinciding with a virtual National Conference on "Disaster Management with a focus on Geohazards" (23rd and 24th September, 2021) along with NIDM, New Delhi .

Invited Lectures

1. Central University of Punjab, Bathinda, Teaching Learning Centre, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), Lecture on 'Disaster Management', National Workshop on 'Environmental management', 4th September 2019.
2. GJUS&T, HRDC Refresher course in Environmental Science, lecture on Natural Hazards; Disaster Management, 08.10.2019.
3. Panjabi University, Patiala, HRDC Orientation Course, Lecture on Disaster Management: An Overview; Natural Disasters, 9.11.2019.
4. GJUS&T, HRDC Refresher course lecture on Natural Hazards and Disaster

- Management, 9.12.2019
5. GJUS&T, HRDC Refresher course, Lecture on Natural Hazards and Disaster Management, 9.12.2019.
 6. GJUS&T, HRDC Faculty Induction Program - I, Lecture on Life on land, 23rd October 2020 (online).
 7. BPS Mahila Vishwavidhyalya, HRDC Refresher course in Environmental Management and Disaster Management, lecture on Floods, 23.11.2020 (online).
 8. GJUS&T, HRDC Faculty Induction program - II, Lecture on Natural Hazards and Disaster Management, 8.12.2020 (online).
 9. Panjab University, Chandigarh, HRDC Refresher course in Environmental Studies, lecture on Disaster Management: An Overview, 28.12.2020 (online).
 10. Panjab University, Chandigarh, HRDC Refresher course in Environmental Studies, lecture on Life on Land, 1.01.2021 (online).
 11. GJUS&T, HRDC Faculty Induction Program, Lecture on Life on land, 1st March 2021 (online).
 12. Maharshi Dayanand University, Rohtak, Environmental Sustainability Management Cell, Lecture on Energy Resources, World Sustainability Energy Day, 4th March 2021.

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.

Dr. Santosh Bhukal

- i. Membership of Professional Bodies: NESA

IV. Any other

(XIV) Detail of Consultancy Project/Work in Department:- **NA**

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

Invited Lectures

1. Central University of Punjab, Bathinda, Teaching Learning Centre, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), Lecture on 'Disaster Management', National Workshop on 'Environmental management', 4th September 2019.
2. GJUS&T, HRDC Refresher course in Environmental Science, lecture on Natural Hazards; Disaster Management, 08.10.2019.
3. Panjabi University, Patiala, HRDC Orientation Course, Lecture on Disaster Management: An Overview; Natural Disasters, 9.11.2019.
4. GJUS&T, HRDC Refresher course lecture on Natural Hazards and Disaster Management, 9.12.2019
5. GJUS&T, HRDC Refresher course, Lecture on Natural Hazards and Disaster Management, 9.12.2019.
6. GJUS&T, HRDC Faculty Induction Program - I, Lecture on Life on land, 23rd October 2020 (online).
7. BPS Mahila Vishwavidhyalya, HRDC Refresher course in Environmental Management and Disaster Management, lecture on Floods, 23.11.2020 (online).
8. GJUS&T, HRDC Faculty Induction program - II, Lecture on Natural Hazards and

- Disaster Management, 8.12.2020 (online).
9. Panjab University, Chandigarh, HRDC Refresher course in Environmental Studies, lecture on Disaster Management: An Overview, 28.12.2020 (online).
 10. Panjab University, Chandigarh, HRDC Refresher course in Environmental Studies, lecture on Life on Land, 1.01.2021 (online).
 11. GJUS&T, HRDC Faculty Induction Program, Lecture on Life on land, 1st March 2021 (online).
 12. Maharshi Dayanand University, Rohtak, Environmental Sustainability Management Cell, Lecture on Energy Resources, World Sustainability Energy Day, 4th March 2021.

Webinar lectures:

1. Webinar Lecture on "Disaster Management with special reference to Flood Disaster", 15th July 2020, Department of Environmental Science, Government degree college for Women, Anantnag, Jammu and Kashmir.
2. Webinar Lecture on "Some Emerging areas in Geology: Geomicrobiology, Medical Geology, Agrogeology and Forensic Geology", BSc (Geology), SOS, IGNOU, New Delhi, 15th August 2020.
3. Webinar Lecture on "Some aspects of Environmental Law, Appreciation Course on Environment, SOS, IGNOU, New Delhi, 16th September 2020.
4. Webinar Lecture on "Landslide Education", 28th -29th October 2020, International Workshop on Assessment and Mitigation of Landslides in the Himalaya, Wadia Institute of Himalayan Geology, Dehradun.
5. Webinar Lecture on "COVID 19 and Environment, Appreciation Course on Environment, SOS, IGNOU, New Delhi, 17th March 2021.
6. Webinar Lecture on "Sustainable Development Goals", VIBHA (Hisar chapter) in collaboration with GJUST, Hisar, World Environment Day, 7th June 2021.

Dr. Anu Gupta

Type	Topic/ Subject	Institution	Dates
Invited talk delivered in refresher courses			
Extension lectures	Awareness program on Conservation of Wetland	Chaudhary Bansi Lal University, Bhiwani	10 February 2021
Any other			
Type	Topic/ Subject	Institution	Dates

Dr. Santosh Bhukal

Type	Topic/ Subject	Institution	Dates
Invited talk delivered in refresher courses			
Extension lectures	Awareness program on Conservation of Wetland	Chaudhary Bansi Lal University, Bhiwani	10 February 2021
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- 21.01.22

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

Activity (Training/Internship /Placement)	No. of Students placed	No. of Companies in which placed*
Training (M.Sc. + M. Tech.)	51+17	

*Note:- Please attach a list of companies along with 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/webinar

Name of the Event	National/ International	Number of Participants	Duration	Dates of the Event
International E-waste Day	Webinar	70	1 day	14 Oct 2020
International Day for Disaster Risk Reduction	Webinar	80	1 day	13 Oct 2020
Webinar on Ozone Layer Protection and Preservation	Webinar	65	1 day	22 Sept 2020

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

Topic	Resource Person	Number of Participants	Dates of the Event

iii. Students tour Nil

Places Visited	Number of Participants	Duration	Dates of the Event

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

v. Any other

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

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