

WEBINAR REPORT

- 1.Name: Webinar on “India Universities and Institutions Network for Disaster Risk Reduction (IUIN-DRR)”. P.M 10 Point Agenda 6.
2. Date: 16th September 2020
3. Time: 14:00 hrs- 16:00 hrs
4. Concept Note



The graphic features a light blue background with a dark blue vertical bar on the left. At the top, there are three logos: NIDM (Resilient India - Disaster Free India), the Government of India emblem (Satyameva Jayate), and the NDMA emblem. Below these is a green box with the text 'P.M 10 POINT AGENDA: 6'. To the left of this box is a white box with 'CONCEPT NOTE' and an arrow pointing to the green box. Below this is a white box with the title 'WEBINAR ON India Universities and Institutions Network for Disaster Risk Reduction (IUIN-DRR)'. In the center is a circular illustration of five people in business attire sitting around a table, surrounded by various icons like gears, a lightbulb, a bar chart, and a rocket. Below the illustration are two ovals: the left one contains 'DATE: 16 SEPTEMBER 2020, WEDNESDAY' and the right one contains 'TIME: 14:00 hrs- 16:00 hrs'. At the bottom is a green box with the registration link: 'Registration Link : <https://forms.gle/3GAx7owPqRT1NTaD9>'. Below the link, it says 'Jointly Organized by; National Institute of Disaster Management (NIDM) Ministry of Home Affairs Govt. of India & National Disaster Management Authority (NDMA) New Delhi'.

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Resilient India - Disaster Free India

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DISASTER MANAGEMENT AUTHORITY
INDIA

P.M 10 POINT AGENDA: 6

CONCEPT NOTE

WEBINAR ON
India Universities and Institutions Network
for Disaster Risk Reduction (IUIN-DRR)

DATE: 16
SEPTEMBER 2020,
WEDNESDAY

TIME: 14:00 hrs-
16:00 hrs

Registration Link : <https://forms.gle/3GAx7owPqRT1NTaD9>

Jointly Organized by;
National Institute of Disaster Management (NIDM)
Ministry of Home Affairs
Govt. of India
&
National Disaster Management Authority (NDMA)
New Delhi

Webinar
**India Universities and Institutions Network for Disaster
Risk Reduction (IUIN-DRR)**

Prime Minister Agenda point 6:

Date: 16th September

Time: 14:00 hrs – 16:00 hrs

Concept Note

India is experiencing an average annual estimated economic loss of \$9.8 billion out of which more than \$7 billion is due to floods (GAR 2015) which is a recurring phenomenon in most of the states in the country. One of the key drivers behind such increasing economic loss due to disasters is lack of knowledge about hazards and access to risk information, which is essential to undertake any risk reduction action. Also, there is a continuous accumulation of newer risks due to increasing exposure to hazards resulting from risk insensitive planning mechanism, ecosystem degradation, population growth and poverty. The risks induced by climate change are adding a further new dimension to the existing disaster risk profile of India.

Although, there is uncertainty regarding the impacts of climate change, yet change in average climate conditions and variability are visible, and extreme climate events are being experienced annually in recent past resulting in aggravation in economic loss and devastation. The growing economy in India also results in high investment for infrastructure development, industries and other revenue generating sectors and businesses. Rarely these investment decisions take hazard exposure into account thereby increasing the exposure of economic assets to various kinds of natural and human induced hazards.

The 2018 Asian Ministerial Conference on Disaster Risk Reduction¹ in Ulaanbaatar reiterated the need to incorporate disaster risk reduction education at primary, secondary and tertiary levels and professional training. Partnering with Higher Education Institutions (HEI), Universities and other science and technology communities have been envisioned for promoting innovative technology and research, facilitate capacity development, and contribute to decision-making for addressing local risks and the needs of the most vulnerable. Hon'ble Prime Minister of India has given 10-point agenda on disaster risk reduction. Agenda 6 of the PM 10-point agenda also emphasizes on developing a network of Universities to work on disaster issues.

¹www.UNDRR.org/amcdr2018

In order to address capacity, skill and knowledge gap, the Agenda 6 stresses on the need to “*Develop a network of universities to work on disaster issues in India*”. Furthermore, the Agenda 6 envisions enhancing global & regional level actions under Priority 1 (d) in order “*To promote common efforts in partnership with the scientific and technological community, academia and the private sector to establish, disseminate and share good practices internationally*”.

The National Disaster Management Plan (2019), which is aligned with the Sendai Framework for DRR, highlights the vital role of education and the integration of DRR into curricula at various levels, besides outlining the role of universities as technical resource centres.

By year 2030, the country is committed to reduce the disaster impact on life and property to its minimum and hence given its global commitment for achieving the set targets and goals of Sendai Framework by 2030. It's a huge task to be achieved in a very short period of time by building a sustainable system. This is possible only when we build partnerships with different stakeholders and synergize our efforts. Universities and Institutes can play a major role in shifting the narratives for disaster risk reduction for the future by its education, research, debates, dialogue and policy advocacy.

Challenges & Gaps

The DRR sector in India has many challenges in mainstreaming DRR in various sectors. The major challenges are

- **Research**
 - Gaps in vision/ priorities of implementing authorities and research institutions
 - Shortage/ absence of dedicated funding, particularly for Social Science research in DRR
 - Non-availability of data for study & research- data gaps
 - Over-emphasis on Response and Recovery activities
 - Lack of policy support for DRR activities
 - Gap between policy formulation and institutional research
 - Disaster Research Investment
 - Research and Development of faculty members in their interests

- **Capacity Building**

- Limited employment opportunities demotivating students
- Skills and competencies to be developed
- Expectations of potential employers
- Spread and depth of course content. There is a need for some minimum course content which should be must for every DRR course.
- Specialization in the relevant fields of DRR is mostly unavailable.
- This leads to difficulty in allotment of faculty – based on their specialization or asking faculty to develop in new areas of teaching- as per needs of the programme/ discipline.

Universities are the place where all the disciplines are studied and researched. In India, there are approximately 903 Universities and 39050 colleges. Out of the total number of universities in India, 882 universities are privately managed. 15 universities are exclusively for women. It has been seen that many of these universities have been actively involved in disaster management field in terms of running courses of various durations.

In India there are approximately 10011 stand-alone institutions, which are engaged in capacity building and research activities. It has been seen that many of these institutions have been actively involved in disaster management field in terms of running courses of various durations.

Engagement and involvement of research-based organizations such as universities and other such institutions is imperative. Globally also many such networks exist such as; Academic Network for Disaster Resilience in Europe (ANDROID), Asian University Network of Environment and Disaster Management (AUEDM), Africa University Network (PERIPERI), Association of Pacific Rim Universities (APRU), ASEAN University Network (AUN) and ASEA-UNINET. Countries like Bangladesh and United Kingdom already have their National University Networks. Indian Universities and Institutions are also well equipped in carrying out research par excellence and can help in creating knowledge base in the field of disaster management and risk reduction.

To address the commitment of India, fulfill the Hon'ble Prime Minister's agenda 6 and keeping the importance of Universities and Institutions, NIDM, being the

nodal institution of capacity building and research in the field of disaster management in India, took an initiative to involve Universities and Institutions working in this field for far outreach of disaster management in the country. Subsequently NIDM, in collaboration with UNDRR and Keio University Japan, conducted a workshop which was attended by about 50 Universities, Institutions and experts of the field of disaster management. A Memorandum of Association (MoA) for establishing the **India Universities and Institutions Network for Disaster Risk Reduction (IUINDRR-NIDM)** was finalized. University Grants Commission (UGC), All India Council for Technical Education (AICTE) and Association of Indian Universities (AIU) were approached for further strengthening this network. These agencies have consented to be part of the board of this network. Meanwhile UGC, vide its letter no. No.24-1/2016(CPP-II) dated 4th October 2017, had also issued instructions to all the Universities to consider compulsory courses on the subject of disaster management. About 68 Universities and Institutions have applied for membership of this network. The network aims, objectives, expected outcomes and way forward are given below:

Aims

The network aims at;

- helping in bridging the social science and science gap between the institutes and faculty members,
- exchanging the information, knowledge and data among universities,
- helping in developing pool of experts, and
- enhancing multi-disciplinary joint research programs.

Objectives

IUIN-DRR is being established with the objectives for its members;

- To enhance recognition of the vital role of universities in implementation-oriented education and research in disaster risk reduction and related field
- To provide a platform for interface between academia and policy across the country in different states.
- To enhance the growth of young professionals and practitioners in disaster risk reduction.
- To document, develop and disseminate knowledge products in the field of disaster risk reduction

- To share and work together (bilaterally or multilaterally) in promoting disaster risk reduction in higher education (focusing on, but not restricted to, post-graduate education)
- To collaborate on field-based and policy oriented research focusing on different aspects of disaster risk reduction and related fields
- To broaden the scope of education and learning in disaster risk reduction field through collaboration with diverse stakeholders including NGOs, private sectors, media and local governments
- To provide a forum for consultation, information sharing and cooperation.

Expected outcome

- Strengthen the disaster management as a stream in higher education.
- Have Disaster Management subject/ topic included in the UGC NET examination.
- Enrich the library of disaster management documents by contributing towards research, education and awareness in the field of disaster management.
- Collaborations amongst the members of this network for sharing of studies being conducted in the field of disaster management.
- Preparation of Status report of existing resources and curriculum available in the country.
- Proposing and finalization of a minimum standard curriculum for DRR courses at Higher education level.
- Preparation of status report of areas of research already conducted and proposing of new areas.

Way Forward

- Web based courses under National Programme for Technology Enhanced Learning (NPTEL) which were developed in engineering and core science fields
- Collaborations with industry and conduct need based research
- Collaborative projects with various National and International agencies
- Internships, Workshops and Conferences with financial assistance for international exposure for students
- Employment Opportunities

- Top- down mandate/ incentivising is for encouraging Institutions to take up dedicated research
- Commitment from the Ministry level for sustenance of this network.
- Standardization of minimum course content for DRR courses.
- Proposed initiation of UGC Net exam particularly for disaster management field.

Now that India has evolved the new Education Policy 2020 (NEP 2020), the network will also focus on areas being promulgated by the NEP 2020. As per the New Education Policy (NEP 2020), Higher education plays an extremely important role in promoting human as well as societal wellbeing and in developing India as envisioned in its Constitution - a democratic, just, socially conscious, cultured, and humane nation upholding liberty, equality, fraternity, and justice for all. Higher education significantly contributes towards sustainable livelihoods and economic development of the nation. Given the 21st century requirements, quality higher education must aim to develop good, thoughtful, well-rounded, and creative individuals. It must enable an individual to study one or more specialized areas of interest at a deep level, and also develop character, ethical and Constitutional values, intellectual curiosity, scientific temper, creativity and spirit of service. A quality higher education must enable personal accomplishment and enlightenment, constructive public engagement, and productive contribution to the society. It must prepare students for more meaningful and satisfying lives and work roles and enable economic independence.

The policy's vision includes the following key changes to the current system: (a) moving towards a higher educational system consisting of large, multidisciplinary universities and colleges, with at least one in or near every district, and with more HEIs across India that offer medium of instruction or programmes in local/Indian languages; (b) moving towards a more multidisciplinary undergraduate education; (c) establishment of a National Research Foundation to fund outstanding peer-reviewed research and to actively seed research in universities and colleges; (d) governance of HEIs by high qualified independent boards having academic and administrative autonomy; (e) "light but tight" regulation by a single regulator for higher education; (f) increased access, equity, and inclusion through a range of measures, including greater opportunities for outstanding public education; scholarships by

private/philanthropic universities for disadvantaged and underprivileged students; online education, and Open Distance Learning (ODL); and all infrastructure and learning materials accessible and available to learners with disabilities. The main thrust of this policy regarding higher education is to end the fragmentation of higher education by transforming higher education institutions into large multidisciplinary universities, colleges, and HEI clusters/Knowledge Hubs. This would help build vibrant communities of scholars and peers, develop active research communities across disciplines including cross-disciplinary research, and increase resource efficiency, both material and human, across higher education.

NIDM proposes to conduct a webinar on Hon'ble PM's Agenda no. 6 of the 10-point Agenda for DRR. This webinar, besides launch of the IUINDRR-NIDM network, aims at providing a platform for various higher education institutions to discuss the issues pertaining to initiating, publicizing the disaster management courses in the country. The webinar will also focus on proposing activities like:

- Develop a baseline for education and research that outlines the current status of DRR as a discipline in the country
- Facilitate a two-way exchange of DRR knowledge from and to global, national and local. It will also provide technical support to institutions in its catchment e.g. state and district disaster management authorities
- Linking of the University and Institutions Network with other related networks available globally.
- Identify areas of research which may lead to policy interventions for DRR.
- Skill development in the field of disaster risk reduction by investing more on research studies

Date: 16th September 2020, Wednesday

Time: 14:00 hrs – 16:00 hrs

Webinar Platform: Cisco WeBex

Registration Link <https://forms.gle/GN6TwwhgnADRwjTe8>

Resource Persons:



Shri G.V.V Sarma
Member Sec, NDMA



Shri Kamal Kishore
Member, NDMA



Shri Rajendra Singh
Member, NDMA



Maj Gen. Manoj kr Bindal, VSM
ED, NIDM



Padamshree Prof Dinesh Singh,
Chancellor, K R Mangalam University
Ex VC, University of Delhi,



Dr Animesh Kumar
Deputy Chief, Regional Office for
Asia and the Pacific, UNDRR



Prof Pradeep Sahni
Professor, SOSS, IGNOU

Organizing Team

Supervision & Guidance



Major General Manoj Kumar Bindal, VSM
Executive Director, NIDM

Convenor



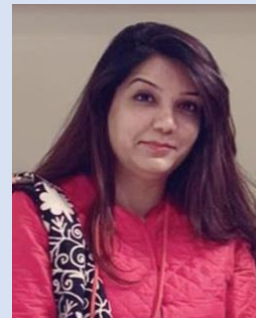
Prof Santosh Kumar
Head, GIDRR, NIDM
Email: profsantosh@gmail.com

Co-Convenor



Sh. Shekhar Chaturvedi
Asst Professor, NIDM
Email: Shekherc@gmail.com

Coordinator



Dr Anuradha Maurya
Young Professional, NIDM
Email: anuradha.nidm@gmail.com

5. EXCERPTS FROM SESSIONS

Major General Manoj Kumar Bindal gave his opening remarks. He highlighted the importance of disasters and its risk reduction in all the fields. In this aspect, the academic institutions play a very important role in influencing the young minds to develop values and attitudes which is necessary to prepare a culture of disaster preparedness and mitigation through a knowledge base such as modules, DM plans, mock drills, capacity building trainings etc. He iterated that the universities can also take up research in areas of disaster management and also play an advocacy role by reviewing and revising the DM policies and approaches which are being adopted by nations. He stressed that a holistic transdisciplinary approach through an exchange of knowledge between universities for disaster management is of utmost importance. He mentioned about the NIDM's initiative of starting a virtual university network portal called IUIN-DRR for taking DRR agenda to last mile.

Shri Kamal Kishore in his special address highlighted the importance of universities in the study of disaster management. He iterated that there is a need to systematise and energize the role of universities and further he gave 6 points. 1) Disaster risk educations should speak to the country's context 2) Universities should be producing a fore-sight report of current patterns in terms of disasters, 3) Long term commitment to research is very important for it to lead it to a logical conclusion; 4) Much greater lateral inputs on policy issues to the government; 5) Mentoring of officials of the local governments; 6) universities need to continuously question the theory of change and see if it's actually working and imbibe our homegrown theory of change of disaster risk management.

Dr Pankaj Mittal in her special address mentioned about Association of Indian universities having member of 812 universities including foreign universities with about 3.7 crore students. She fully supported NIDM's initiative for a consortium and welcomed any internship, certificate program, diploma, exchange program and small courses in disaster management. She also mentioned an academy for training of teachers for online courses in which disaster management can be one of the subjects. She gave her full support from AIU and further work together with NIDM on this endeavour.

Padamshree Prof Dinesh Singh gave his key note address. He highlighted the fact that a nation will never make progress unless its university systems properly train, motivate and inspire the youth of the nation. He iterated The NEP policy which focuses on transdisciplinary and hands-on knowledge. He recommended to involve the youth- undergraduates and to give them access to information for innovation project that will be based on practical dimensions. He urged to re orient the curriculum for the knowledge that already exists in the system with a balance between theory and practice. He also focussed on models on how to react and models for forecasting. He also strongly suggested that every department should have a curriculum on disaster management.

Shri Rajendra Singh gave his insights on the role of NDMA in the university network. He laid the importance of youth and young professionals engagement and involvement in universities in disaster risk reduction. He shared that the National Disaster management plan by NDMA in 2019 also highlights the vital role of education and integration of DRR in curriculum at various levels, besides highlighting the role of universities at all level. Lastly, he gave 4 points to conclude: 1) university as an academic institution may need to develop and organise a comprehensive, education disaster program or curriculum for the community; 2) Disaster management is not just a curriculum, but a method to deliver suitable and reliable approaches to the communities; 3) the university network will also access in identifying DRR policies & measures, and 4) the network will promote a common understanding among stakeholders.

Prof Pardeep Sahni shared his experience of over 30 years in disaster management. He gave his insights on the issues, challenges and gaps that have been existing in the field of disaster management since more than a decade's time. He expressed his concerns for the projects and research done in the past on the subject matter of disaster management that have not been addressed properly. He stressed on the gap between theory and practice. He also highlighted that there is a vast scope of disaster management in India, however a lot needs to be done.

Dr Animesh Kumar gave his intervention on the role and importance of universities in DRR. He offered 5 points that would be helpful in university network. 1) streamlining the knowledge gap in research and teaching between the national and global level; 2) nationally, a network of universities will also promote ideas, themes & exchange of knowledge; 3) while focusing on academics and research, the universities should also act as hubs for technical resources and capacity building; 4) focussing on technical knowledge-professionalisation of workforce for disaster management, and 5) the universities in this network should run on a culture of safety and resilient infrastructure. He also highlighted the role of youth in DRR.

Dr Devesh Walia stated the importance of involving AIU in the network of universities for initialising the courses in disaster management at the university level. He also highlighted on the gap between theory and practice in the field of disasters that needs to be reduced. He stressed the importance of universities in north eastern region for starting this initiative with regard to the new NEP as it is a risk prone region and day by day the risk is increasing. He iterated that universities should come with some effort, expertise insights in disaster management.

Key Takeaways

- *Collaboration and Cooperation:* A much stronger network for the collaborative engagement of institutions and universities.
- *Engagement of youth:* taking them to the innovative stages and being supportive.
- *Engagement in the curriculum:* how curriculum should be taken as a multidisciplinary subject in each department.
- *New Education Policy* has empathized for strengthening disaster management. We need the support of NEP.
- *Resilient Infrastructure:* The structure of the universities and institutions are not very resilient, so building resilient infrastructure is important.
- *Lateral positions and indigenous knowledge:* home grown literature should be supported by our universities rather than still relying heavily on western knowledge of understanding the concepts of hazard, vulnerability, risk.
- Unnat Bharat Abhiyan to be brought into our networking: universities are adopting this mission, so focus on how resilience can be demonstrated further in this.
- *Incentive Vs Control:* Balance between the two with a decentralized approach and autonomy of the institutions.
- *Special Funding & Guidelines:* Some modest fund can be allotted for research projects to some universities where they excel which can be demonstrated and emulated and taken to pan India level.
- *Proposed initiation of UGC Net exam:* To promote disaster related studies, at the UGC, CSIR level, we need to have trained people. Some examination for eligibility to be expertise in disaster management should be made.
- Shift from Response towards prevention in our research field as it can also be seen at the global perspective the research and gap.
- Research- engaged in long term basis to come on impact.
- Conduct large number of Faculty development programmes with universities and teachers so that they take interest in starting a credit course and so on.

- Platform to researchers to publicize the DRR studies.
- Web based courses under National Programme for Technology Enhanced Learning (NPTEL) which were developed in engineering and core science fields
- Collaborations with industry and conduct need based research
- Collaborative projects with various National and International agencies
- Internships, Workshops and Conferences with financial assistance for international exposure for students
- Employment Opportunities along with course development.
- Top- down mandate/ incentivizing is for encouraging Institutions to take up dedicated research
- Commitment from the Ministry level for sustenance of this network.
- Standardization of minimum course content for DRR courses.

6. Poster

Prime Minister's 10 Point Agenda no. 6 for Disaster Risk Reduction
India Universities and Institutions Network for Disaster Risk Reduction (IUIN-DRR)

16th September 2020 | 14.00 – 16.00 hrs

Keynote Address	Opening Remarks	Introductory Remarks	Special Address	Special Address	Convener
<p>Prof. Dinesh Singh (Padamshree) Chancellor, K R Mangalam University Ex-VC, University of Delhi</p>	<p>Shri G V V Sharma, IAS Member Secretary NDMA</p>	<p>Maj. Gen. Manoj Kumar Bindal Executive Director NIDM</p>	<p>Shri Kamal Kishore Member NDMA</p>	<p>Shri Rajendra Singh Member NDMA</p>	<p>Prof. Santosh Kumar Head, GIDRR & CDDRR, NIDM</p>
Resource Persons		Co-convenor	Coordinator		
<p>Dr. Animesh Kumar Deputy Chief, Regional Office for Asia & the Pacific, UNDRR</p>		<p>Prof. Pradeep Sahni SOSS, IGNOU</p>	<p>Sh. Shekher Chaturvedi Assistant Professor, NIDM</p>		<p>Dr. Anuradha Maurya Young Professional, NIDM</p>

Jointly organized by :
National Institute of Disaster Management (NIDM)
 Ministry of Home Affairs, Govt. of India
 and
National Disaster Management Authority (NDMA)
 New Delhi

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7. List of Participants

S.No.	Participants	Email
1	A. Delsiya	appa8098@gmail.com
2	AAKASH UPADHYAY	akashdse@gmail.com
3	Aastha Kalia	kalia.aastha@gmail.com
4	Abdul Aziz Mulla	aziznandini@gmail.com
5	ABDUL SAMAD	vssamad.abdul@gmail.com
6	Abhishek Singh	abhabhifa@gmail.com
7	Abinaya Abinaya	abi640750@gmail.com
8	ABUBAKAR SIDDIQUE	abubakar6129@gmail.com
9	Aditi Pawar	aditipawar0304@gmail.com
10	ADITYA KUMAR	adityanawada@gmail.com
11	Agrim Kaushal	agrim@nic.in
12	Aishwarya Kariya	ashukariya06@gmail.com
13	Aishwarya Menon	aishwaryamenon54@gmail.com
14	Aishwarya Satam	aishwaryasatam16@gmail.com
15	Akanksha Mehta	akanksha.mehta@dpu.edu.in
16	Akash Bhardwaj	akash.bhardwaj@juitsolan.in
17	AKHILESH KUMAR	akhilesh.tiss@gmail.com
18	Akshita Baldwa	akshitabaldwatinnny@gmail.com
19	Amandeep Arora	amandeep.arora@dpu.edu.in
20	Amandeep Singh Sandhu	amandeep.8600@gmail.com
21	Amit Sinha	ameetsinha2008@gmail.com
22	AMRITA SINGH	amrita.s@srisriuniversity.edu.in
23	Amrutha Valli Audipudi	audipudiamrita@gmail.com
24	Anam Jamal Ansari	anamjamal103@gmail.com
25	Anand Gaurav	anand5694@gmail.com
26	Anand Sherkhane	anand.sherkhane@nic.in
27	Anand Velu A.	anandvelu.a@tcs.com
28	Anas Shah	xnas817@gmail.com
29	Anas Sujela	anassujela89@gmail.com
30	Anayka Kankanala	kankanalaanay081999@gmail.com
31	Anil K. Malik	anilkmalik.acw@gmail.com
32	Animesh Kumar, UNDRR	animesh.kumar@un.org
33	Anis Bagwan	anisbagwan7@gmail.com
34	Anita Singh	anitasingh05081989@gmail.com
35	Anita Tandale	anita.tandale@gmail.com
36	Anitha Kumari S D	anithakumari.ce.et@msruas.ac.in
37	Anu Alex	anu.alex@dpu.edu.in
38	Anupam K Singh	prof.anupamsingh@gmail.com
39	Anupama kumari	head.kvk.saraiya@rpcu.ac.in
40	Anuradha Jha	jhaanuradha099@gmail.com
41	Anuradha Mittal	anuradha.pro@curaj.ac.in
42	Anuradha Ranjan Kumari	anuradha_rau@rediffmail.com

S.No.	Participants	Email
43	Anushka Sharma	anushkasharmaa09@gmail.com
44	Anushka Singh	singhanushka372@gmail.com
45	ARANYAK MISHRA	m8arya@gmail.com
46	Arasu Sundaram	arasus1@gmail.com
47	ARCHANA KUMARI	archiecumari0@gmail.com
48	Archanaa Kumaraguru	archanaa0206@gmail.com
49	Arijit Roy	arijitroy@iirs.gov.in
50	Arnob Mondal	arnob.mondal17@gmail.com
51	Arpita Ghosh	sra@iimsirmaur.ac.in
52	Arshi Perveen	drarshiperveen@gmail.com
53	Arun Datt	mvsumktl@gmail.com
54	Arun Kumar	akgchd@gmail.com
55	Arun Verma	arunadhana2@gmail.com
56	Arvind Chauhan	arvindchauhan.chauhan081@gmail.com
57	Arvind Kumar	arvindignou@gmail.com
58	Aryapadmam Charusila	consultant-yp5-he@ap.gov.in
59	Ashalata devi	kh_asha@tezu.ernet.in Ashalatadevi12@gmail.com Devi
60	Ashok Sanganal	sanganalashok@gmail.com
61	Asmita Turaskarr	asmitanturaskar@gmail.com
62	Awdhesh Kumar	awdhesh.k@invertis.org
63	Balachandran Viswanathan	drvbchand@cukerala.ac.in
64	Baljinder singh	simarjitsidhu01@gmail.com
65	Balu I.	balusociologist@gmail.com
66	Bashir Ahmad	bashirahmad1@live.com
67	BHAGAT NEGI	hinabhagat21@hotmail.com
68	Bhagyshree Madane	bmadane2000@gmail.com
69	Bharati Upadhaya	bharati.upadhaya@rpcau.ac.in
70	BHASKAR REDDY REDDIVARI	rkbreddy.phd@gmail.com
71	Bhaskara Mulam	prof.mbrao@rguktrkv.ac.in
72	Bhimrao Waghmare	waghmare.bhimrao1@gmail.com
73	Bhupinder Singh	bhupindersinghmehta@gmail.com
74	Bhuvanesh raj	bnesh5701@gmail.com
75	Bidhan C. De	bidhande.321@gmail.com
76	BIJITH B. L.	blbijith@gmail.com
77	Bipasa Debbarma	debbarmaipasa4@gmail.com
78	C. M. Bhatt	cmbhatt2@gmail.com
79	CH Sampath nidm Kumar	chsampatma@gmail.com
80	CHATRAGADDA ALEXANDER	ch_alexander@wvi.org
81	Chinmoyee Mallik	chinmoyeemallik@gmail.com
82	Chirayu Gurumukhi	raichu2219@gmail.com

S.No.	Participants	Email
83	Com., DM, Tamil Nadu TNDRA	tnsdma.director@gmail.com
84	D. C. Rana	dc.rana04@nic.in
85	Dalip Raina	dalip.hvsu@gmail.com
86	Deepak Pal	ddppaul5445@gmail.com
87	DEEPALI GUPTA	guptdeepali@gmail.com
88	Devadevan V.	adpapb@aicte-india.org
89	Devesh Walia	wadevesh@gmail.com
90	Dhanashri Havale	dhanashri.havale@dpu.edu.in
91	Dharampal Singh Negi	dpsnegi2571@rediffmail.com
92	DHE Shimla	dhe-sml-hp@gov.in
93	Dhruv Patel	dhruvdp0626@gmail.com
94	Dibas Mandal	mandal.dibas123@gmail.com
95	Dileep Kumar M. Narasaiah	dileepnarasaiah02ati@yahoo.com
96	DILIP C. S.	dilipsharmacs.cs@gmail.com
97	Dinesh Vashista	jd.nidm@nic.in
98	Dipak Nath	dipak@tezu.ernet.in
99	Divakar L.	dldivak@gmail.com
100	Divya parmar	divyaparmar@mcrhrdi.gov.in
101	Dr. Ajay. Kaushik	registrar@bmefcolleges.edu.in
102	Dr. Amalkanti Ray	dramalkantiray@gmail.com
103	Dr. Amardeep Boora	amardeep@juitsolan.in
104	Dr. Ambalal Katara	adkatara.katara@gmail.com
105	Dr. Anil Kumar	anilkumar-cgwb@gov.in
106	Dr. Anju Sharma	ramarananju88@gmail.com
107	Dr. Anshu Bhardwaj	anshu.bhardwaj@svsu.ac.in
108	Dr. Anupma Kumari	head.kvk.saraiya@rpcu.ac.in
109	Dr. BALA MURUGAN D.	balamba.psn@gmail.com
110	Dr. Damodar Panda	damodar_65@rediffmail.com
111	Dr. Devendra Pradhan	pradhandev1960@gmail.com
112	Dr. Dilip Diwakar G.	dilipjnu@gmail.com
113	Dr. Dinesh Singh	reachingdinesh@gmail.com
114	Dr. Harshal Raje	harshalraje123@gmail.com
115	Dr. Iswar Chandra Naik	iswar.jnu@gmail.com
116	Dr. Kaneez Zehra	kzehra@rediffmail.com
117	Dr. Luke Kale	luke.kale@dpu.edu.in
118	Dr. Madhumathi Reddim	reddim.madhumathi@gmail.com
119	Dr. Manjunatha Aithala	manjunatha.aithala@bldedu.ac.in
120	Dr. Manoj Behera	manoj.behera@kiss.ac.in
121	Dr. Nitin Pethani	vc@sauuni.ac.in
122	Dr. Pankaj Mittal	pankajugc@gmail.com
123	Dr. PERNAIDU PASALA	pernaidup@gmail.com
124	Dr. Raj Antil	rajsingh@svsu.ac.in
125	Dr. Rajesh Kumar	rajesh.kumar@svsu.ac.in

S.No.	Participants	Email
126	Dr. Rajni Srivastava	drrajni6@gmail.com
127	Dr. Ratnesh Kumar Jha	ratnesh@rpcau.ac.in
128	Dr. Rohan Gawali	rohan.gawali@dpu.edu.in
129	Dr. S. D. Tiwari	drsdtiwari1973@gmail.com
130	Dr. S. Sachchidanand VC RGUHS	vc@rguhs.ac.in
131	Dr. S. T. Rehman	st.rehman@osou.ac.in
132	Dr. Sandeep Inampudi	sandeep.inampudi@gmail.com
133	Dr. Sanjeeb Kumar Mishra	dr.skm17@gmail.com
134	Dr. Seema Choudhary	seema.chaudhary562@gmail.com
135	Dr. Shaji E.	shajigeology@keralauniversity.ac.in
136	Dr. Shraddha khamparia	shraddha.khamparia@vupune.ac.in
137	Dr. Shripad Joshi	shripad.joshi@dpu.edu.in
138	Dr. SYED MOHAMMED ASGH RIZVI	rizamu10@gmail.com
139	Dr. Vaidehi vijayakumar	vcmotherteresa@gmail.com
140	Dr. Veena Himanshu Sharma	veenahimanshu@hotmail.com
141	Dr. Vijay Kumar	vijay1.kumar@asu.apeejay.edu
142	Dr. Yash Pal Ranta	ranta1966@gmail.com
143	Durva Satardekar	durvasatardekar13@gmail.com
144	EBORMI S LANGSHIANG	lyngchiangbormi@gmail.com
145	Elakkiya.T Elakkiya.T	elakkiyaelakkiya244@gmail.com
146	Garima Sharma	cbdcshimla@gmail.com
147	Gati krushna Panda	dr_gatikrushna@rediffmail.com
148	Gaurav Rana	ggsssa@gmail.com
149	Gayathri A.	agayathri390@gmail.com
150	Ghanshyam prasad	ghanshyamprasad29@gmail.com
151	Gopakumar K.	coordinator_iqac@ktu.edu.in
152	Gopalakrishna Puttakame Gowda	asst.reg@bldedu.ac.in
153	Gowhar Jeelani	gowharjeelani007@gmail.com
154	Gowsi Gowsalya	kannagowski1996@gmail.com
155	GUNJAN CHAUHAN	gunjan.ch.86@gmail.com
156	Gyanesh Chandra	upadhyaygc78@gmail.com
157	Harbakhsh Singh	hs.civildefence@gmail.com
158	Harshada Kolekar	harshadakolekar281@gmail.com
159	Himabindu D.	sribindu262004@gmail.com
160	Hirenkumar Rupala	rupala229@gmail.com
161	HITESH KUMAR RBAROT	barothitesh13188@gmail.com
162	Hiteshkumar patel	htsh_ptl@rediffmail.com
163	Iqbal Singh	iqbal.singh@cup.edu.in
164	Iqra Hasan	iqrahasan29@gmail.com
165	IRFAN BHAT	bhatirfan9798@gmail.com
166	Ishika Yadav	ishikayadav112@gmail.com

S.No.	Participants	Email
167	Jaiprakash Pullakudy	vu2jpn@gmail.com
168	Janki Andharia	jankiandharia@gmail.com
169	Jayaseelan T.	jayaseelant.dad@hub.nic.in
170	Jekulin Saikia	jekulinlipi@gmail.com
171	Jilly John	jillyjohn@cukerala.ac.in
172	Jivan Sasemahal	jivansasemahal2207@gmail.com
173	Jugal Patel	jugalpatel660@gmail.com
174	Kalyani Bhate	kalyani.bhate@gmail.com
175	Kamal Kishore	kkishore@ndma.gov.in
176	KARAN BHATT	kpbhatt@vgecg.ac.in
177	Karthick Periyakaruppan	karthickp2411@gmail.com
178	Karthik Mano	yoyokarthik42@gmail.com
179	Kaushal Kishor	kaushal.kishor@rpcau.ac.in
180	kaushal kumar	kaushal.kumar@juitsolan.in
181	Kavyayani Patil	radhikapatil1109@gmail.com
182	Khushi Dubey	khushid2102@gmail.com
183	Kirti Sharma	kirti2692@gmail.com
184	Komal Borisagar	asso_komal_borisagar@gtu.edu.in
185	KOWSHIK S.	kowshik3107@gmail.com
186	Kranthi kumar Banda	kranthikb78@gmail.com
187	Krishna Mehta	mehtakrishna388@gmail.com
188	Kumaravel P.	hodextmvc@tanuvas.org.in
189	L. Haokip	l.haokip@nic.in
190	Lakshmi M	divim2398@gmail.com
191	lovely kanakan	lovelyfrancis123@gmail.com
192	M.HARISH GR	soundhu2697@gmail.com
193	M.Y. Peerzada	dir.he.jk@gmail.com
194	Madhur Dutt	madutt12372@gmail.com
195	Mahesh G.	gmahesht@gmail.com
196	Mahesh Majik	majik-dhe.goa@gov.in
197	mahida mahida	pmmahida02@gmail.com
198	Maj Gen M K Bindal ED, NIDM	ed.nidm@nic.in
199	Malik Tawqeer Un Nisa	tawqeerunnisa@gmail.com
200	Manavalan ILAKKUVAN	imanavalan56@gmail.com
201	Mandar Brahme	mandar.brahme@dpu.edu.in
202	Manisha Malik	mannu.manisha@gmail.com
203	MANJUNATHA MELEKOTE HANUMANTHAI AH	mh.manjunatha@rediffmail.com
204	Mano Sundar	manosundar9393@gmail.com
205	Mary Santhi	shantip77@yahoo.co.in
206	MAYANK PAWAR	mayankpawar22@gmail.com
207	Mayur Lohar	lohar3731@gmail.com

S.No.	Participants	Email
208	MHU Karnal	infomhu.hry@gmail.com
209	MOHAMMAD WASEEM SHEIKH	waseem.sheikh97@gmail.com
210	Mohammed Shafi	shafi.jm@gmail.com
211	Mohd Waseem	waseemjmi111@gmail.com
212	Mohinder Brahmi	mkbrahmi@gmail.com
213	Mohit Verma	mohver@gmail.com
214	Mukesh Kumar	mukesh.agron@rpcau.ac.in
215	Mukund Patel	pmukund0209@gmail.com
216	Muthukalingan Krishnan	vcmku@mkuniversity.org
217	N. V. Satyanarayana Reddy Chirla	cnvsreddy@gmail.com
218	NAGARAJAN KRISHNAMOORTHY	nagarajan22563@gmail.com
219	Naim Shaikh	naim.shaikh@dpu.edu.in
210	Nakul Singh, Shri Vishwakarma University	nakul.singh@svsu.ac.in
211	Nakul Tarun	nakultarun@icloud.com
212	Narayanasamy Ramanathan	arenness@gmail.com
213	NATIONAL INSTITUTE OF DISASTER MANAGEMENT	nidm.outreach05@gmail.com
214	Naushad Ali	pmna.research@gmail.com
215	Naved Ali	alinaved991@gmail.com
216	Naveen Kumar N	naveencfs@gmail.com
217	Neeraj Gupta	ng@curaj.ac.in
218	Neeraj Gupta	ng2560@yahoo.com
219	NEERAJ PARASHAR	parashar.neeraj@gmail.com
220	Neetu Rani	neetu.1987@yahoo.co.in
221	NIHAL SARKAR	nihalsarkar.alpinist@gmail.com
222	Nilima Bagane	baganenilima09@gmail.com
223	Nirmal Sharma	campusdirector@bmefcolleges.edu.in
224	Nishant Jha	nishantjha1947@gmail.com
225	NITIN PETHANI	vc@sauuni.ac.in
226	Nityanand Azad	nietya187@gmail.com
227	niyati gupta	niyatigupta101@gmail.com
228	Omkar Patil	omkarpatil0374@gmail.com
229	Onkar Puri Advisor (Disaster Management)	onkarnath.puri@gmail.com
230	P. Smriti	pushpanshusmriti@gmail.com
231	P.P.S. Dhillon	ppsddrr@gmail.com
232	PADMINI YENDA	gbujji.paddu@gmail.com
233	Pallav Kaushik Deshpande	kaushik.pallav@gmail.com
234	Pandurang Gurude	gurudepandurang@gmail.com
235	Paramesha J. R.	ati.cdm.jrp@gmail.com
236	Pardeep Sahni	pardeepsahni@gmail.com

S.No.	Participants	Email
237	Parminder Baweja	baweja_pk@rediffmail.com
238	Parthasarathy T K	ae.civil@imu.ac.in
239	Parvathee Devi P.	parvathi226@gmail.com
240	PARVEEN GOEL	parveengoel.hsr@gmail.com
241	Pawan Garga	pkgarga@yahoo.co.in
242	Pawan Kumar	pawankumar@cblu.ac.in
243	PEERZADA SHUAIB AMIN PARSA	shuaib@manuu.edu.in
244	PINKI CHAHAL	pinkichahal21@gmail.com
245	Pooja Gautam	gautampooja33@gmail.com
246	Poonam Lakhani	poonamlakhani17@gmail.com
247	Prachi Jain	prachimj15@gmail.com
248	Pradhan Parth Sarthi	ppsarthi@cub.ac.in
249	Pradnya Tikhe	pradnyatikhe.cvl@indusuni.ac.in
250	Praful Ambere	prafulambere888@gmail.com
251	Pranav Dhawan	pranav.nidm@gmail.com
252	Pranay Bhosale	pbhosale1997@gmail.com
253	PRASHANT CHAMADIA	prashantchamadiya91@gmail.com
254	prathmesh Ameria	ameriaprathmesh32@gmail.com
255	Preeti Khetarpal	preetikhetarpal@cup.edu.in
256	Pritesh kumar Patel	prit.pharma@gmail.com
257	PRIYANKA BOBADE	priyanka.bobade@dpu.edu.in
258	Prof. G. Vijaya Ananda Kumar Babu	gundi.vijay@gmail.com
259	Prof. Mohammad Fariyad	mfariyad2008@gmail.com
260	Prof. P. K. JOSHI	pkjoshi27@hotmail.com
261	Prof. R. K. Mittal	cbluvc@gmail.com
262	Prof. T. Lakshamma	apsche.vcp2019@gmail.com
263	Pulama Oinam	pulama.oinam@wud.ac.in
264	R. K. Aggarwal	rajeev1792@rediffmail.com
265	R. Manimohan	r_manimohan@yahoo.com
266	Raj Kumar	raj.kumar@svsu.ac.in
267	Rajan Gadhvi	rajangadhvi@gmail.com
268	Rajan Kumar	rajan.sharmanov1991@gmail.com
269	Rajat Sakundarwar	sakundarwarrajat@gmail.com
270	Rajdeep Bansod	rajdeep.tiss@gmail.com
271	Rajendra kumar Nema	rajendraknema@rediffmail.com
272	Rajendra Kumar Sathvara	rajendra07.ec@gmail.com
273	Rajendra Singh	mail4tanushree@yahoo.com
274	Rajendran bhuvaneswari	dradmin.chennai@imu.ac.in
275	Rajkumar M.	rajinecol@gmail.com
276	RAJU ROY	rajulive24@gmail.com
277	Ramanand K.	ramanand.kodoth@cukerala.ac.in
278	Ramesh Krishna M.	mrkias23@gmail.com

S.No.	Participants	Email
279	Ran Vijay Singh	ranvijay04@gmail.com
280	Ranjan Kumar	ranjan.adrid2010@gmail.com
281	RANJEET RANJAN	ranjanranjeet@gmail.com
282	RASAL	rasalvishalb.07@gmail.com
283	Ray Kancharla	shreyakiran1954@gmail.com
284	Renuka More	rennumore@gmail.com
285	RESHMA VILASAN	reshmavilasan@gmail.com
286	Revati Rautrao	revati.rautrao@dpu.edu.in
287	Rishi Rana	rishi.rana1@gmail.com
288	Rishika Thakur	rishika.thakur3@gmail.com
289	ritika sharma	ritikasharma.sharma12@gmail.com
290	Ritu Soni	reetsoni38@gmail.com
291	Ritu Vijay	vritu@banasthali.in
292	Rohan Mark Nimmagadda	rohanmark.n@gmail.com
293	Rohit Rajora	m2020dm022@stud.tiss.edu
294	Roopesh kumar	rk.bansthali.17@gmail.com
295	RUCHI GARG	garg.330@gmail.com
296	Rushik Modasiya	rushikmodasiya@gmail.com
297	Ruzbeh Bharda	ruzbharda@gmail.com
298	SADASHIVA MURTHY B. M.	bmsada@sjce.ac.in
299	Sadhvi Uttekar	sadhvi333uttekar@gmail.com
300	Sagar Valanju	sagarvalanju10@gmail.com
301	Sahar Idris	saharidris786@gmail.com
302	Sambhav Goswami	sambhavgoswami403@gmail.com
303	sandeep pattnaik	spt@iitbbs.ac.in
304	Sandhya Vaid	drsandhyavaid@gmail.com
305	Saneem Fatima	saneemf@gmail.com
306	Sanjana Naik	sanjananaik2204@gmail.com
307	Sanjana Tiwari	sanjanat648@gmail.com
308	Sanjay Rathore	sanjay.singh@svsu.ac.in
309	Sanjay S.	sanjayswaminathan50@gmail.com
310	Sanjeev Tayal	sanjeev.tayal@svsu.ac.in
311	SANJIT KUNDU	sanjit.n73@gmail.com
312	Sanket Kaushik	sanketkaushik658@gmail.com
313	Santosh kumar	profsantosh@gmail.com
314	Satish Kumar Singh	satish.singh@rpcu.ac.in
315	SATPAL SINGH	satpal2all@gmail.com
316	Satyajit Sen	wbdmeo@gmail.com
317	Saumya Nivin	saumya.manu@gmail.com
318	savitha ulavi	savitha_ulavi@sjce.ac.in
319	Shaileja Desai	desaishaileja@yahoo.in
320	Shailendra Singh	shekhawatramsara@gmail.com

S.No.	Participants	Email
321	Shailesh kumar Maganlal Jayswal	anshjayswal140604@gmail.com
322	Shalini Aggarwal	shalini.aggarwal@dpu.edu.in
323	Sharad Deep	sharaddeprsgis@gmail.com
324	Shashank Rai	shashankrai57@gmail.com
325	Shekher Chaturvedi	shekherc@gmail.com
326	Shivakeshav Venkat	shivakeshavvenkat@gmail.com
327	Shivani Chauhan barooah	shivani.barooah@tiss.edu
328	Shivani Nautiyal	nshivani156@gmail.com
329	SHIVARAMU H. S.	hssramu@gmail.com
330	Shiveshwar Pratap Singh	sp26814@gmail.com
331	Shrangali Barmate	shrangalee7@gmail.com
332	Shridhar Samant	shridhar.samant@tiss.edu
333	Shrikrishna Gaware	krishnagaware64@gmail.com
334	SHUAIB AHMED	ahemedshuaib@gmail.com
335	Shubham Mankar	smankarpatil15@gmail.com
336	Shubham Sharma	shubhamsharma21o2@gmail.com
337	Shweta Sagar	shwetace189@gmail.com
338	Shweta tiwari	shwetatiwari2550@gmail.com
339	SIDDHARAM LIGADE	siddharamligade569@gmail.com
340	Siddhartha Sharma	siddharthas79@mmumullana.org
341	Sidhant Fotedar	sidhant.fotedar97@gmail.com
342	Simrit Kahlon	bonnie_kahlon@yahoo.com
343	Sivananda Kumar	sivananda.kumar@christuniversity.in
344	SNEHA VARSHA K. B.	shneg.vra@gmail.com
345	Snehal Maheshkar	snehal.maheshkar@dpu.edu.in
346	Sonali Meshram	sonali.meshram@dpu.edu.in
347	Soumya Shetty	drsoumyasshetty@gmail.com
348	Srikant Mohapatra	vc@osou.ac.in
349	subarna chatterjee	subarna.cs.et@msruas.ac.in
350	Subhajit Manna	smannagis@gmail.com
351	Subhasis Bhadra	subhasisbhadra@curaj.ac.in
352	Subhasish Pahari	spahari.47@gmail.com
353	Subhra Saraf	s.saraf@osou.ac.in
354	Sujata Das	dassujata169@gmail.com
355	Suminder Meerwal	sumindermeerwal@mmumullana.org
356	Supriya Poal	supriya.poal@dou.edu.in
357	Sushant Dawkhar	sushantdawkhar1232pc@gmail.com
358	SWATI SHRIVASTAVA	swatishrivastava04@rediffmail.com
359	TANMAY GUPTA	tanmay.gupta@juitsolan.in
360	Tannu Sharma	opjs.tannusharma@gmail.com
361	Tanushree Verma	mail4tanushree@yahoo.com
362	Tanzeem Shaikh	tanzeemshaikh1996@gmail.com
363	Taslim Alitha	taslimalitha73@gmail.com

S.No.	Participants	Email
364	Tathagat Tirumeni	tathagattirumeni1998@gmail.com
365	TEJASWINI VELANI	tejvelani2798@gmail.com
366	Thenmozhi Cute	thenmozhi.chinakanu@gmail.com
367	TUSHAR BORKAR	tusharborkar611@gmail.com
368	Uday Kala	cbdcshimla@gmail.com
369	Urja Mistry	urjamistry15@gmail.com
370	Utkarsh Rathore	rudraksha.us@gmail.com
371	Vaibhav kumar Patel	vaibhavbpatel@yahoo.com
372	Vaishnavi Kulkarni	vaishnavikulkarni138@gmail.com
373	Varun Dutt	cbdcshimla@gmail.com
374	VASANTHAVIGAR M.	breezevasanth@gmail.com
375	Venkatramanan Senapathi	venkatramanansenapathi@gmail.com
376	Veshal Madan	director.optom@dpu.edu.in
377	Victor Mecwan, IAS	aceo-gsdma@gujarat.gov.in
378	Vikram Gurjar	vikramgurjar24011980@gmail.com
379	Vikrama Pandey	v.pandey7922@gmail.com
380	Vilis Pawar	vilis.pawar@dpu.edu.in
381	Vinay Kumar	vinaykumar@cujammu.ac.in
382	Vishal Gupta	vishal.gupta@mmumullana.org
383	Vishwas Supanekar	vsupanekar@yahoo.co.in
384	Vivek Jaiswar	vivekjaiswar999@gmail.com