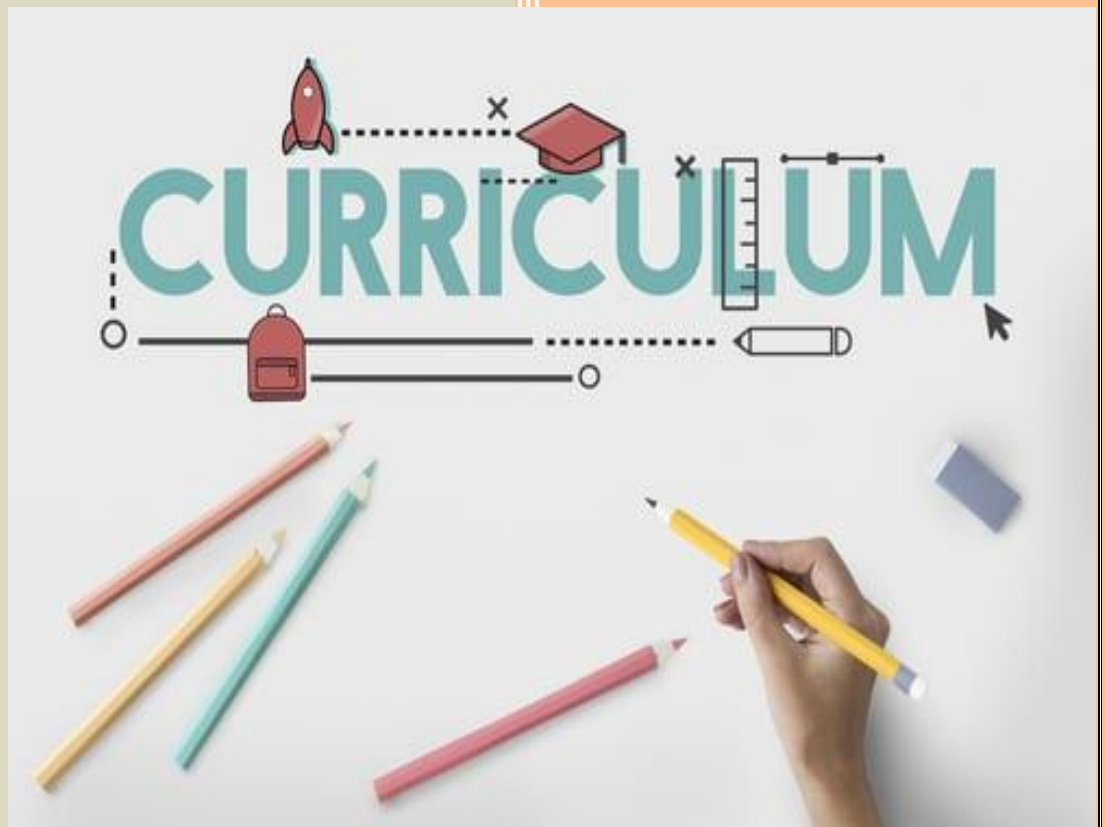




**MINUTES OF
THE CONSULTATIVE
WORKSHOP ON CURRICULUM
DEVELOPMENT FOR PG DIPLOMA AND
CERTIFICATE COURSE**

**10th August, 2021
3 Pm to 7 Pm**



**Organized by India Universities
and institution Network on
Disaster Risk Reduction
(IUINDRR), National Institute
of Disaster Management,
Ministry of Home Affairs,
Government of India
10/8/2021**

Content

1. Background

- Importance and need of the curriculum on DRR at UG level

2. Introduction to the Programme

- Objectives
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3. Session Wise Workshop details

Presentation of working group members by:

- ❖ Prof. Masood Ahsan Siddiqui (Invited Expert, Dept of Geography, JMI, New Delhi)
- ❖ Dr. Durgesh Nandini (Invited Expert, Professor, IGNOU, New Delhi)
- ❖ Prof. A. Geeta Bhawani (Invited Expert, Head, Dept of Chemistry, NIU)
- ❖ Dr. Mary A. Santhosam (Invited Expert, Principal, Nazareth College of Arts & Science)
- ❖ Dr. Anoop Kumar Bhartiya (Invited Expert, Professor & Head, UGC's Centre for Advanced Studies in Social Work)
- ❖ Dr. Manoj Kumar Singh Rathod (Invited Expert, B.R.A. University, Agra, UP)
- ❖ Dr. Vignesh K.S.(Invited Expert, Assistant Professor, S.R.M. Institute of Science & Technology, Chengalpattu, TN)

4. Conclusion for Structure of the Curriculum

5. List of Participants

Background

India is the fifth most vulnerable country in terms of climate change, according to the Global Climate Risk Index report 2020. In recent years, earthquakes, cyclones, floods, landslides and forest fires have become frequent across the country. Given the severe impact of the climate emergency on economic and social development of vulnerable communities, especially the poor, it is important to build resilience. It has been noted that children and women are the most adversely affected by natural hazards, suffering both physical and mental trauma. Various studies have shown an overall reduction in learning outcomes, a drop in attendance and lower academic performance. Further, collapse or severe damage to infrastructure such as school / college buildings during a disaster disrupts the education and employment process. Limited access to higher degree also results in a large number of students dropping out or losing interest in education due to which the rate of unemployability is increasing. However, education prepares vulnerable communities to learn to cope with such events. Introducing disaster management in the curriculum at PG diploma/certificate curriculum should be prioritized. Students must learn about disaster management and need to adopt a creative approach which help familiarize them with their surroundings and provide insights into disaster risk reduction and preparedness measures, emergency relief and long-term recovery. This will establish an active, experiential and participatory learning process between learners and institutions to develop the concept of resilience and how to anticipate, absorb and adapt to disaster events. Thus, the curriculum should have a hybrid approach where traditional wisdom and local knowledge can be used to prevent and mitigate social, economic and psychological effects of natural and manmade hazards. Hence, there is need of curriculum that has included elements of disaster risk reduction to build the knowledge, skills and capacity at PG level. The goal of the IUIN-DRR, NIDM is to captures national experiences whilst noting key challenges in the field of disaster and to develop a curriculum for PG diploma/certificate students to build capacity of the maximum young population in India.

Introduction to the Programme

Objectives:

Based on the above context, the consultative workshop has the following objectives:

- To discuss the thematic issues for curriculum on DRR at PG level
- To frame out draft structure on curriculum which can be integrated as PG diploma/Certificate Course
- To formulate minimum standard curriculum on the basis of working group inputs on DRR for PG diploma/certificate students

Expected outcome

Programme will help to develop a curriculum for PG diploma/certificate students to build their capacity for preparedness and response for Disaster Risk to minimizing the impact of disasters as per needs and resources.

AGENDA

Time	Session	Speaker/Expert
03.00- 03.05	Welcoming Address	Dr. Preeti Soni, Senior, Programme, Consultant, India Universities and Institution Network on Disaster Risk Reduction (IUINDRR), National Institute of Disaster Management ,Government of India
03.5 – 3.10	Key note address	Major General Manoj Kumar Bindal, Executive Director, National Institute of Disaster Management ,Government of India
3.10- 3.20	Special key note address	Dr. (Mrs.) Pankaj Mittal, Secretary General, Association of Indian Universities
3.20-3.30	Sharing objectives of the programme and Setting up agenda	Prof. Santosh Kumar, Head, GIDRR, National Institute of Disaster Management ,Government Of India
3.30-5.00	Role of Higher Education in Disaster Risk Reduction in India	Shri. Shekhar Chaturvedi, Assistant Professor, National Institute of Disaster Management ,Government of India
	<p>Existing sample curriculum on DRR :Moderated by Professor Santosh Kumar</p> <p>curriculum of different university / institution by all working group members</p> <ul style="list-style-type: none"> • Diploma /Certificate curriculum 	<ul style="list-style-type: none"> • Dr. Durgesh Nandini, Professor of Public Administration, IGNOU • Masood Ahsan Siddiqui, Prof.& Head, Department of Geography, Jamia Milia Islamia • Dr. Anoop Kumar Bhartiya, Professor University of Lucknow, UP • Dr. Mary Angeline Santhosam, Principal, Nazareth College of Arts and Science, Thiruvallur, Tamil Nadu • Dr. K.S. Vignesh Assistant Professor, School of Public Health, SRM Institute of Science and Technology, Chennai, Tamil Nadu, India • Dr. Geetha Bhavani Professor & Head, Department of Chemistry, Noida International University, UP • Dr. Manoj Kumar Singh Rathore Professor, Dr. Bhim Rao Ambedkar University, Agra
4.30-5.30	Point for discussion: <ul style="list-style-type: none"> • Minimum standards for paper • Thematic Areas of inclusion 	All members
5.30-5.55	Drafting action plan and closing remarks	Prof. Santosh Kumar, Head, GIDRR, NIDM,GOI
5.55- 6.00	Vote of thanks	Dr. Preeti Soni, SPC, IUINDRR

Session Wise Summary of the workshop

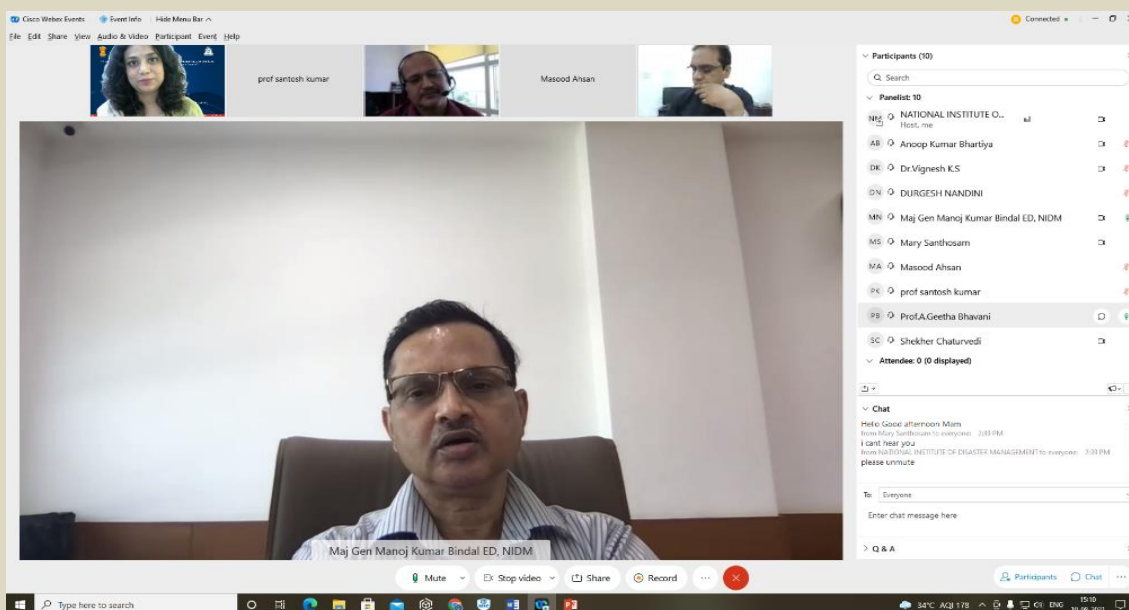


The banner features the State Emblem of India on the left and the NIDM logo on the right. The central text reads: "Consultative Workshop on Curriculum Development Programme on Disaster Risk Reduction for Post Graduate Certificate/Diploma Course" followed by the date and time "10th August, 2021 | 3:00 Pm – 6:00 Pm". Below this, it states "Organised by India University and Institution Network on Disaster Risk Reduction (IUINDRR-NIDM) National Institute of Disaster Management (NIDM) Ministry of Home Affairs (MHA), Govt. of India". At the bottom, a red bar contains four COVID-19 safety messages: "Stay Protected from Corona", "Wear mask properly", "Wash Hands with Soap", and "Maintain safe distance".

Inaugural

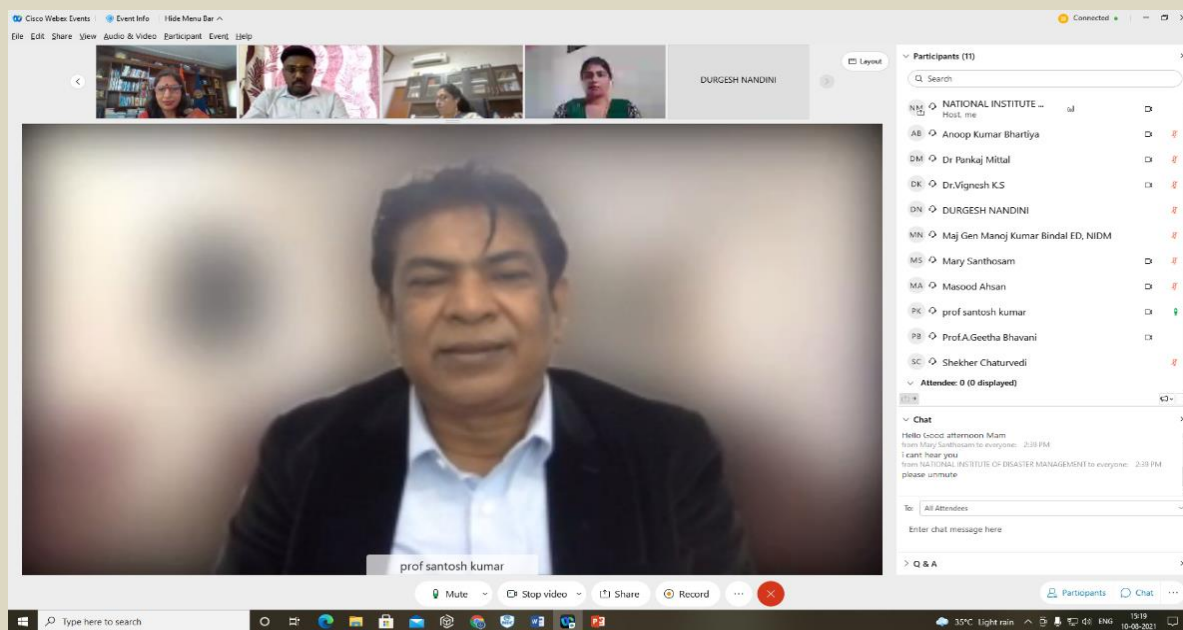
The webinar began with Dr. Preeti Soni, Senior Programme Consultant, IUINDRR-NIDM, introducing the webinar objective and the schedule of the programme. She also welcomed the dignitaries and experts. She has acted as a Moderator for this Online Consultative Workshop.

Key Note Address



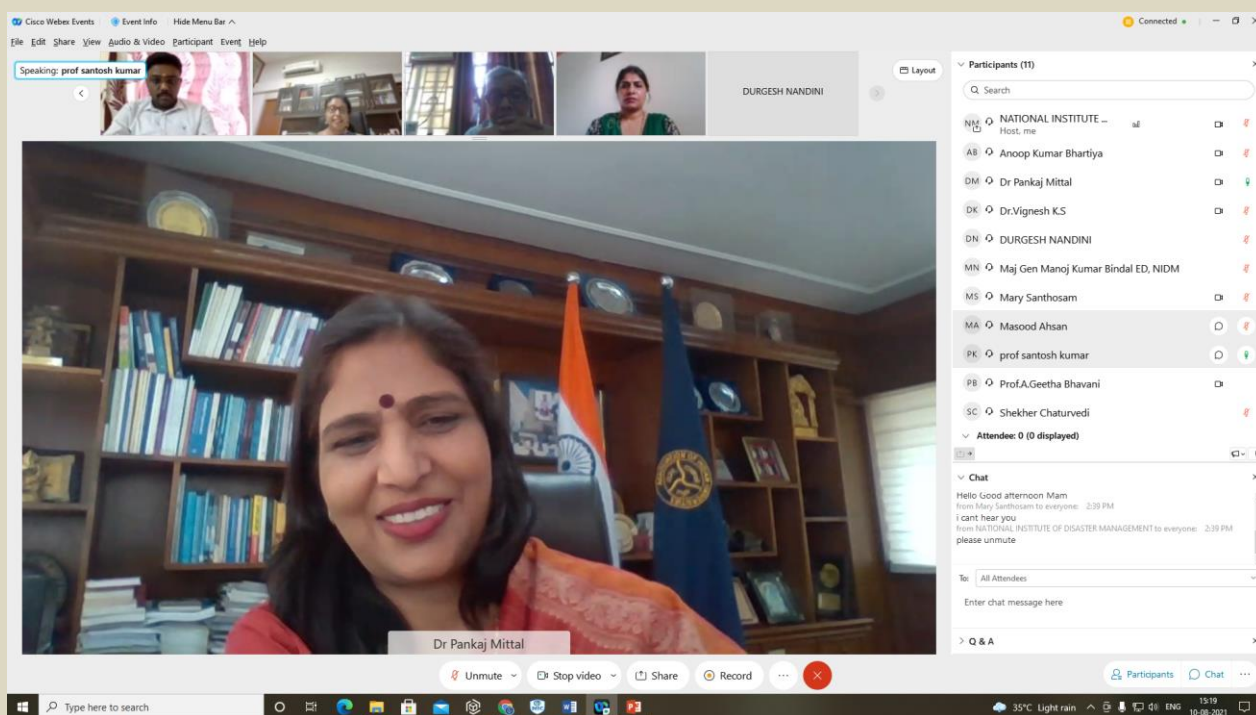
Major General Dr. Manoj Kumar Bindal, Executive Director, NIDM, has welcomed all the Panelists and Speakers of this meeting. Dr. Bindal has highlighted in his **Keynote Address** about Disaster Management courses, which are offering by different institutes in India. He has highly focused on the fact that though theoretical part is teaching and practical part is missing in teaching of Disaster Management courses. According to him, students should get an opportunity and exposure on practical aspect of Disaster Management. Field-based study is very much necessary and required. Class room-based exercises of practical must be there during the overall teaching process. Thus, the need of the present time is to upgrade the syllabus of UG as well as PG classes of Disaster Management courses in India, and during the up gradation of syllabus, the Practical/Application oriented curriculum is required. In the end He has expressed his thanks to all the invited Speakers and Panelists.

Sharing objectives of the programme and Setting up agenda



Prof. Santosh Kumar, Head, GIDRR, NIDM, highlighted the objectives of today's meeting/workshop. He has stated that partnership between educational institutes and technical agencies and specialized institutes is very much necessary, while imparting and transferring knowledge to students of DM courses is concerned, such as NDRF and NIDM. Thus, it is necessary to bring this kind of knowledge in the upgraded curriculum of DM courses. He also highlighted the Sendai framework Declaration which focuses on Sustainable Development Goals for combating human induced climate change. Further he said that Networking is important in order to have Disaster Risk Reduction (DRR). At last, he invited Dr. Pankaj Mittal, Secretary General, Association of Indian Universities, New Delhi, for Special key note address.

Special Key Note Address

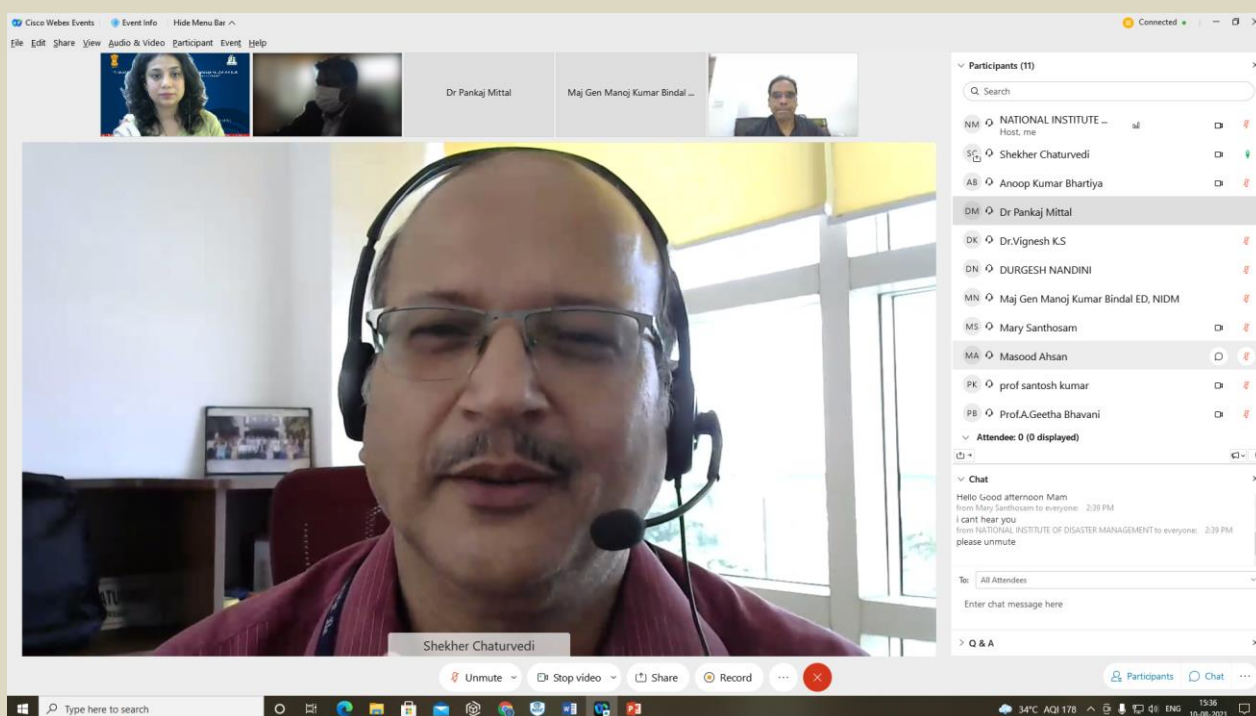


Dr. Pankaj Mittal, Secretary General, Association of Indian Universities, New Delhi, in her **Inaugural Address** has focused upon the implementation of NEP-2020 (New Education Policy-2020) in the up gradation of syllabus and curriculum development of DM. She has mainly highlighted 7 points. **Firstly**, according to NEP, the learning outcome must be defined, i.e., what would be the expected learning outcome for students, i.e., what students would learn after the completion of their syllabus. **Secondly**, each Module should be a capsule in itself. **Thirdly**, while framing the curriculum, what would be the role teacher? According to her, Teacher should be a facilitator. How the teacher is teaching and he/she is acting as a facilitator during teaching, whether through offline or online mode. **Fourthly**, the students would get an exposure to Open Education Resources. The

Links of the Open Education Resources should be mentioned in the curriculum, so that the students may see those Links of MOOCs/ e-Pg Pathshala Modules, before coming to class. **Fifth** point she focused regarding the Assessment/Evaluation work, that taking 3-Hour Exam at the end of the Semester is a challenging one. So, it is to be stated in the curriculum that How the students would be continuously assessed and evaluated throughout the Semester. Thus, teachers should be trained enough to set the proper question papers and questions should be of different types, like MCQs, Very short, Short and Long questions. **Sixth** point she stressed upon on the designing or structure of curriculum. She suggested that student may get freedom of entry and exist form the course as per the requirement. One degree course must give different levels of exist point. Seventh point she focused upon the internship programme in every levels to give the practical exposure and knowledge to the student.

However, she has stated in the end, that the new curriculum should be a comprehensive one, while covering the understanding and application part of DM and also in lined of New Education Policy,2020.

Session by: Shri Shekhar Chaturvedi, Assistant Professor, NIDM



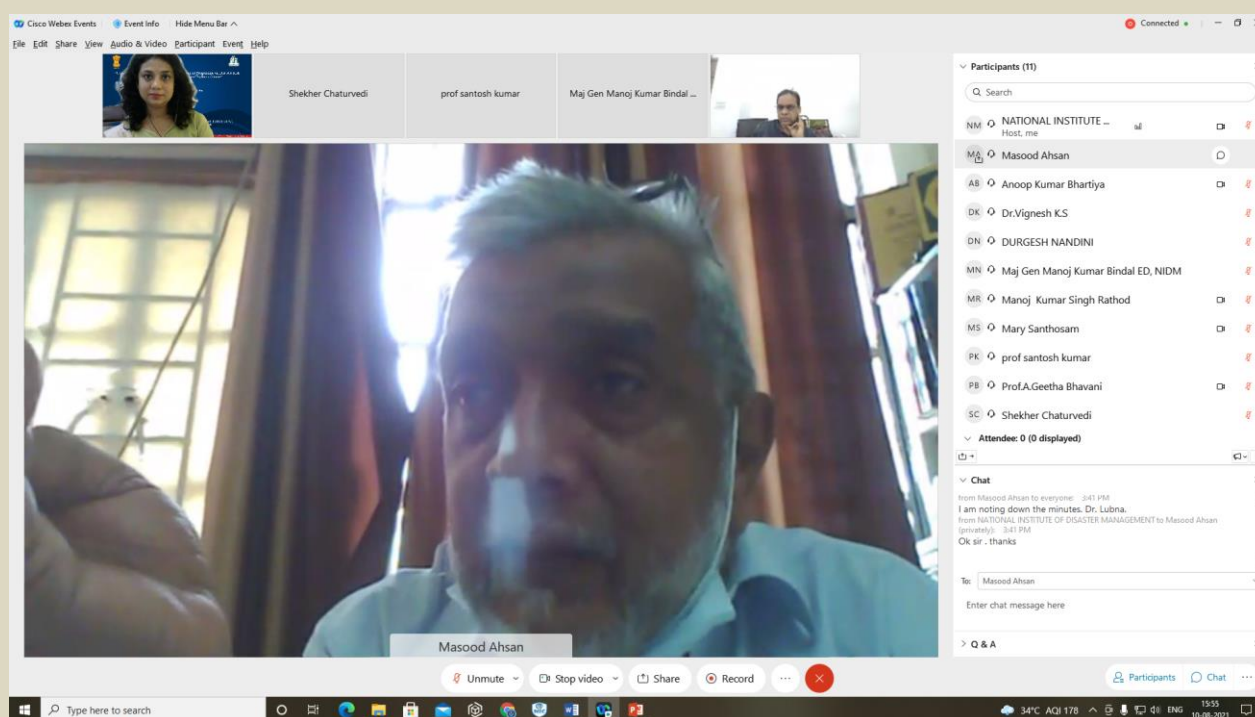
Shri Shekhar Chaturvedi, Assistant Professor, NIDM discussed the role of higher education in disaster management and challenges they faced in its implementation in India. He highlighted the importance of NEP-2020, as far as higher education in India is concerned. He has said, that basically there are two components of curriculum

development of DM Courses, i.e., Higher Education and Disaster Management. Firstly, He has highlighted as far as the new role of universities is concerned, i.e., the universities may act as active players to create and transfer knowledge in this domain, OR the universities may acquire unique role in promoting this subject. Secondly, he has highlighted as far as the challenge in new role is concerned, that there is no separate subject of Disaster Management in UGC-NET-JRF Exam, while the student intake in DM courses is also low. Thirdly, he has highlighted as far as the advantage of DM courses is concerned, that it is mainly youth force who use to take admission and learn. Fourthly, as far as the role in DRR is concerned, he has pointed out that it generates avenues for student placement.

After brief presentation, Dr. Preeti Soni invited the working group members to share their presentation on curriculum:

❖ Technical Sessions:

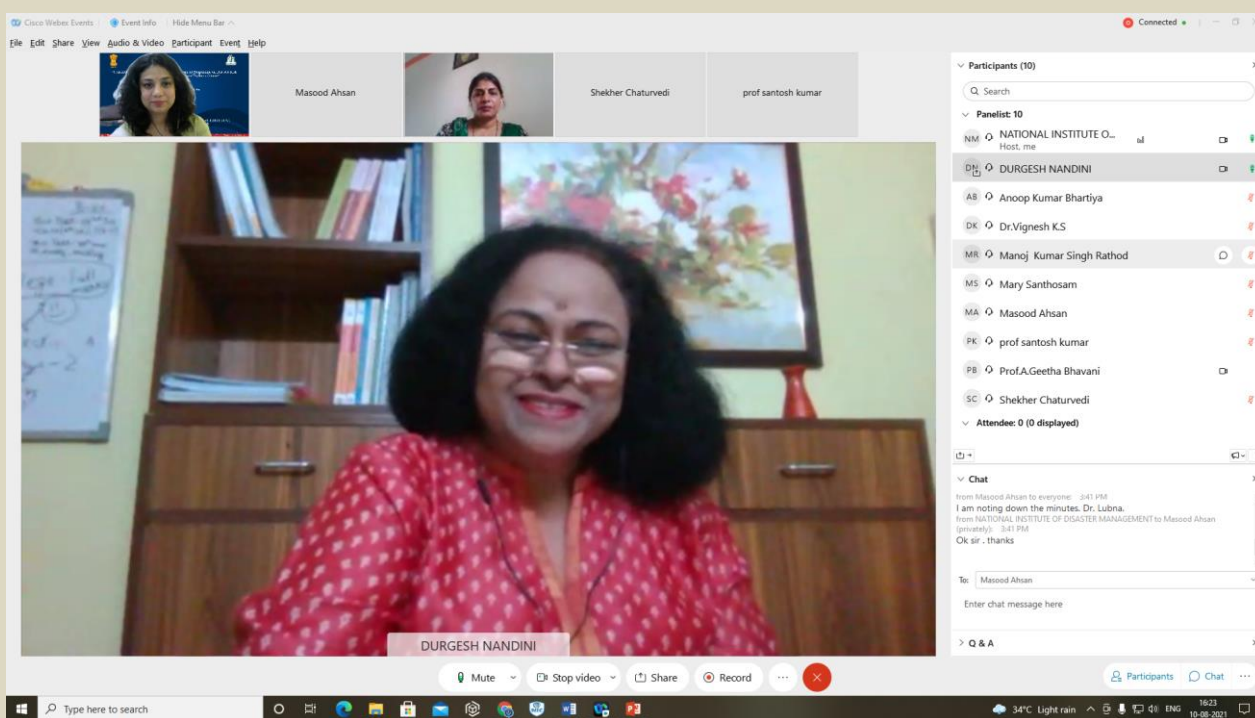
Session I: Presentation by Prof. Masood Ahsan Siddiqui, Former Head, Dept of Geography, & Coordinator, Centre for Disaster Management, JMI



Prof. Masood Ahsan Siddiqui, Former Head, Dept of Geography, & present Coordinator, Centre for Disaster Management, JMI, has informed that Dept of Geography, JMI, started Disaster Management Paper in 3-Years B.A./B. Sc (Subsidiary) (Geography) way back in 2010. He has briefly highlighted that Dept of Geography is also offering 2 DM-based courses. First course, i.e., 1-Year Diploma in Disaster Management (Evening & Self-Financed) was started in 2015, and later that Diploma was upgraded as P.G. Diploma in DM in 2019. Second course, i.e., 2-Years M.Sc. (Disaster Management & Climate Sustainability Studies) (Self-Financed) was started by the Centre of Disaster Management,

under Dept of Geography, in 2018. He has shown the Course Structure of 4 Semesters of M.Sc. (DM & CSS), and 2 Semesters of P.G. Diploma in DM, during his presentation. Prof. Masood has also been the Coordinator of UGC e-Pg Pathshala for preparation of Modules for Geography subject. He highlighted that curriculum has to be in the line of New education Policy and all the criteria of curriculum has to integrate NEP.

Session II: Presentation by Dr. Durgesh Nandini, Professor, IGNOU, New Delhi



Dr. Durgesh Nandini, Professor, IGNOU, New Delhi, has presented about various DM-based courses, like 6-Months Certificate Programme on Disaster management, & 1-Year Diploma on Disaster Management. The mode of teaching for these courses was Lecture method as well as Practical exposure and field visit. They use to adopt off-line teaching up to March 2020, and on-line teaching since April 2020. They use to show the videos of e-Pg Pathshala to students of DM courses. She focused on the importance of internship and field work programmes in the curriculum as per NEP, 2020. She discussed that alike the IGNOU internship programme and how students are implementing theory into the practice at IGNOU.

Session III: Presentation by Prof. A. Geeta Bhawani, Head, Dept of Chemistry, Noida International University, Uttar Pradesh

Program Grading Scheme

Assessment method :
(Continuous Internal Assessment = 40% , Final Examination = 60%)

Assessment -1	- 05%
Assessment-2	- 05%
Assessment-3 (Internal-Exam)-	20%
Assessment-3	- 05%
Assessment-4	- 05%
Total Internal Assessment	- 40%

RANGE OF MARKS	GRADE POINTS	LETTER GRADE
90 - 100	9.0 - 10.0	O
80 - 89	8.0 - 8.9	D+
75 - 79	7.5 - 7.9	D
70 - 74	7.0 - 7.4	A+
60 - 69	6.0 - 6.9	A
50 - 59	5.0 - 5.9	B
0 - 49	0.0 - 4.9	U
ABSENT	0.0	AAA

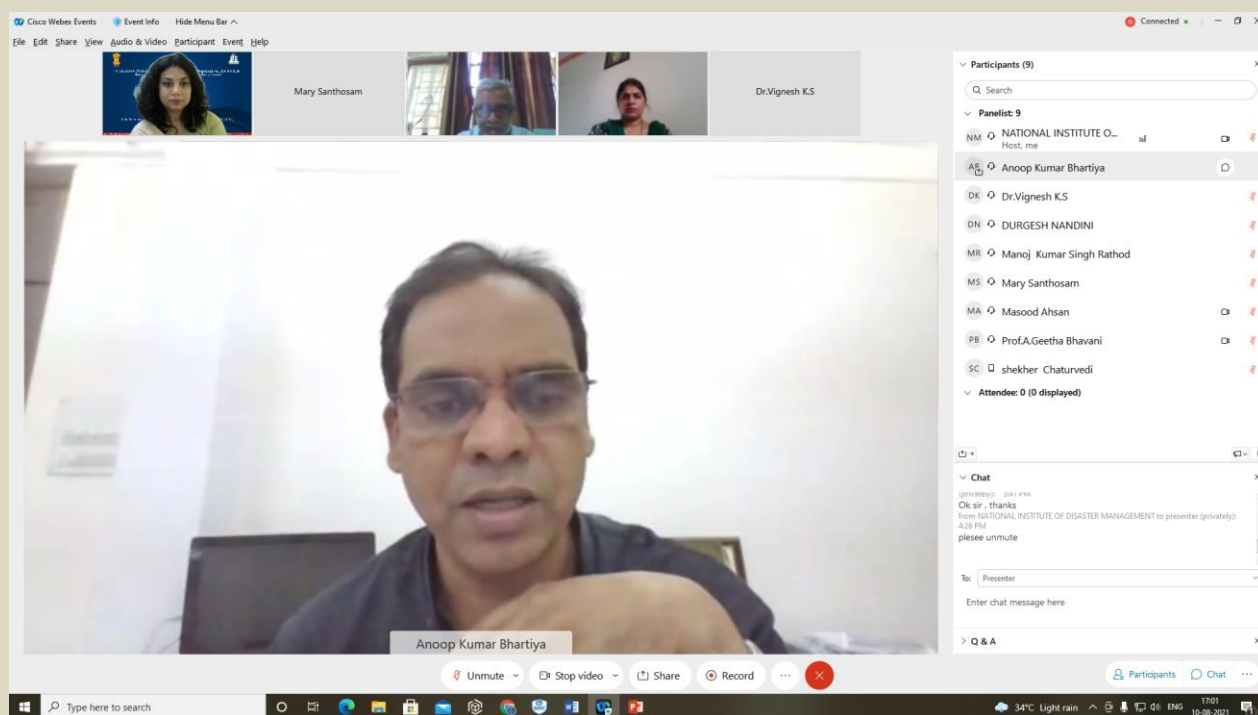
Prof. A. Geeta Bhawani, Head, Dept of Chemistry, NIU, has presented about various DM-based courses of her Department, which belongs mainly to Chemical Disaster, like many P.G. Diploma courses, as well as Ph.D. Degree. She has informed that under Case Study, their students use to visit any Industry, write the Report and appear in the Viva-Voce Exam in each Semester. Further she also discussed the assessment criteria of the university diploma and certificate courses and also she highlighted that how university is doing assessment of internship programme of diploma and certificate courses.

Session IV: Presentation by Dr. Mary Santhosam, Principal, Nazareth College of Arts & Science

The screenshot shows a Cisco Webex meeting interface. The main video feed displays Dr. Mary Santhosam, the Principal of Nazareth College of Arts & Science, speaking from her office. The background includes a bookshelf and an air conditioner. The top of the screen shows the meeting controls and a grid of other participants. The right-hand side of the screen displays the 'Participants' list, which includes Prof. A. Geeta Bhawani, Anoop Kumar Bhartiya, Dr. Vignesh K.S., DURGESH NANDINI, Manoj Kumar Singh Rathod, Mary Santhosam (highlighted), Masood Ahsan, prof santosh kumar, and Shekher Chaturvedi. The 'Attendee: 0 (0 displayed)' is also visible. The bottom of the screen shows the Windows taskbar with the time 16:44 on 10-08-2021.

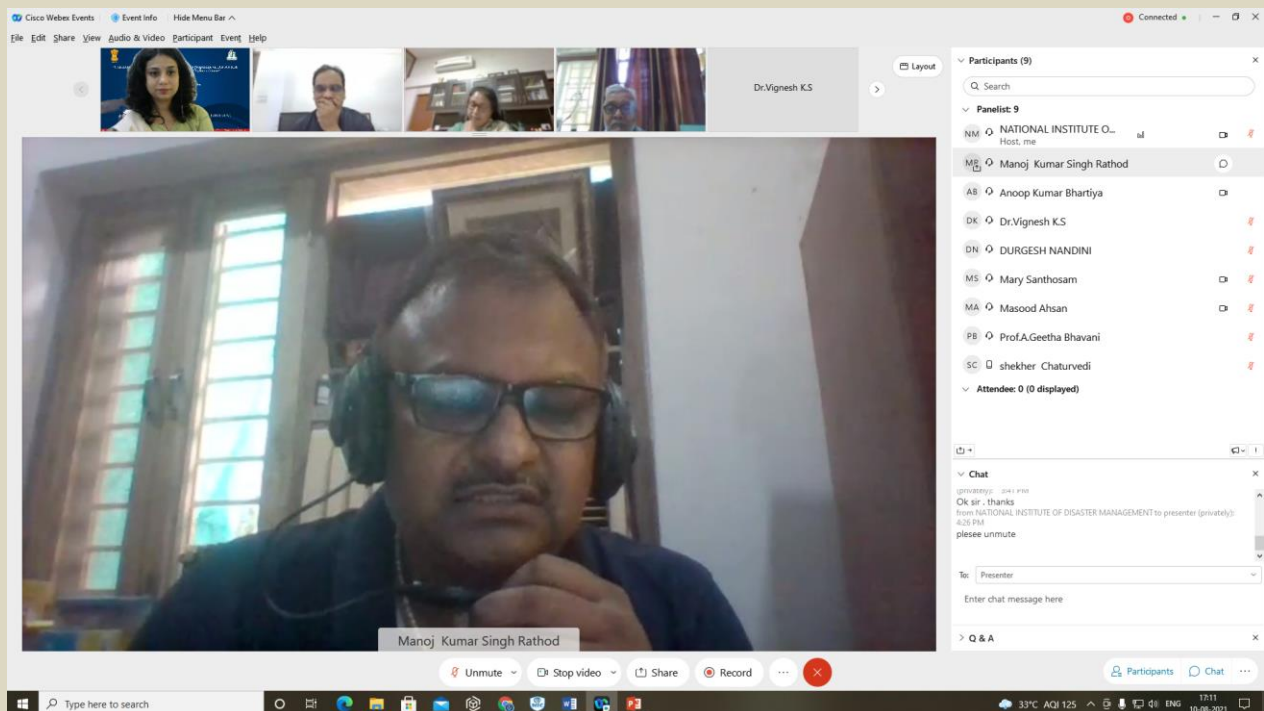
Dr. Mary Santhosam, Principal, Nazareth College of Arts & Science, has presented about various DM-based courses. She has informed that the students of these courses use to visit the communities affected by disasters and other NGOs, for preparing their Case Studies. She explained that how through internship programmes and field work, college students are dealing with disaster affected people at grass root level. She highlighted that PG diploma has to be one year to one year six months and certificate course has to be six month only. She also said that there is an need to give freedom to students for entry and exit point as per NEP,2020.

Session V: Presentation by Dr. Anoop Kumar Bhartiya, Professor & Head, UGC's Centre for Advanced Studies in Social Work, University of Lucknow, UP.



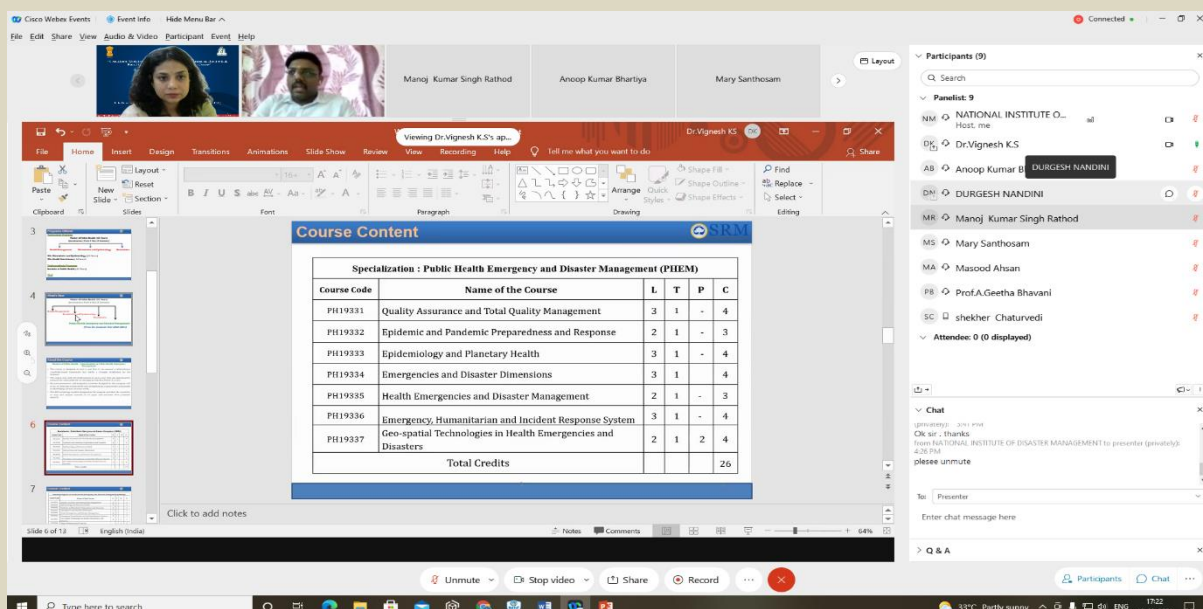
Dr. Anoop Kumar Bhartiya, Professor & Head, also presented about various DM-based courses. He has informed that the weightage of 60% is for Theory and 40% for Practical Papers. According to him, the curriculum should be based on DRR. He wanted to have next meeting specifically meant for preparation and sharing of Course Structure of DM for U.G and P.G. classes. He explained New Education Policy,2020 and road map of curriculum development for PG diploma and certificate courses on DM. he explained that these curriculums must have based on practical knowledge and 50 % theory and 50% practical need to incorporate under the programme .

Session VI: Presentation by Dr. Manoj Kumar Singh Rathod, Dr. Bhim Rao Ambedkar University, Agra, UP



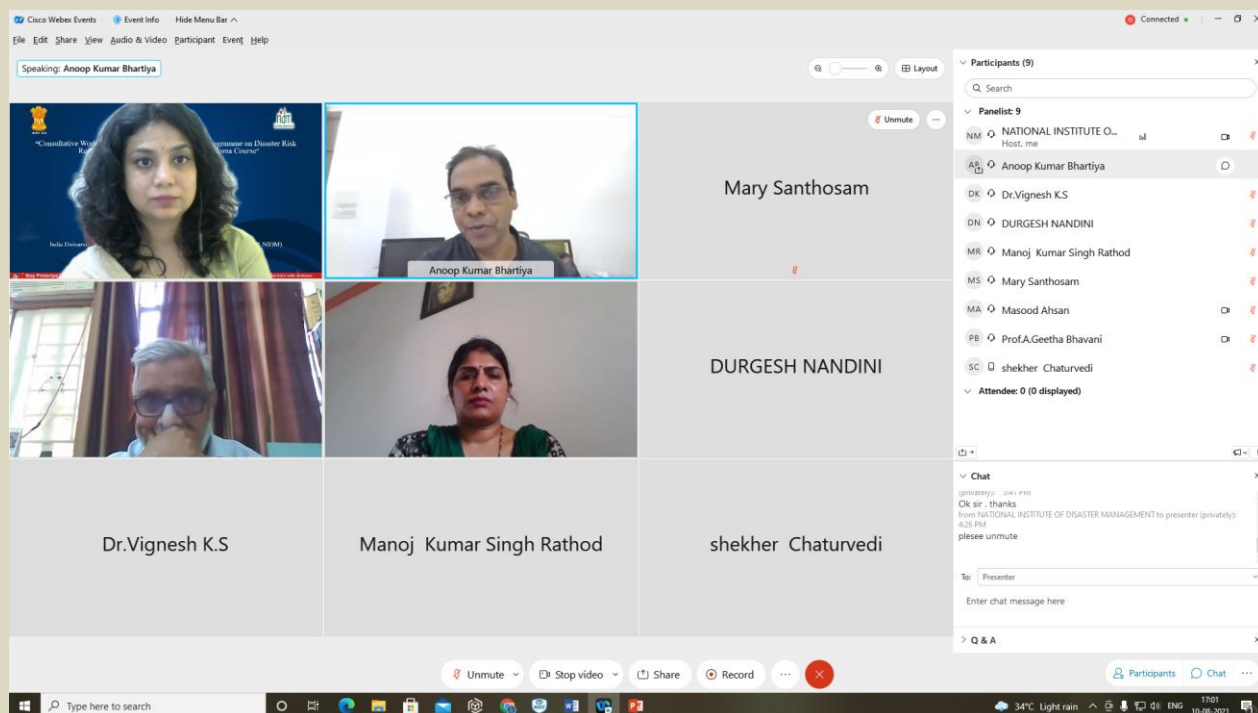
Dr. Manoj Kumar Singh Rathod, has informed that his university is offering P.G. Diploma in Disaster Management since 2002. He has explained all the detail regarding this particular course. He highlighted that curriculum has to be in local and simple language as per regions and also university may give freedom to modify curriculum as per requirement of the region or university.

Session VI: Presentation by Dr. Vignesh K.S., Assistant Professor, S.R.M. Institute of Science & Technology, Chengalpattu, Tamil Nadu



Dr. Vignesh K.S., Assistant Professor, S.R.M. Institute of Science & Technology, Chengalpattu, TN, has presented about various DM-based courses in much detail. He presented each unit and module of the DM courses offering by SRM University and also career options related to the programme.

Group Discussion and Conclusion

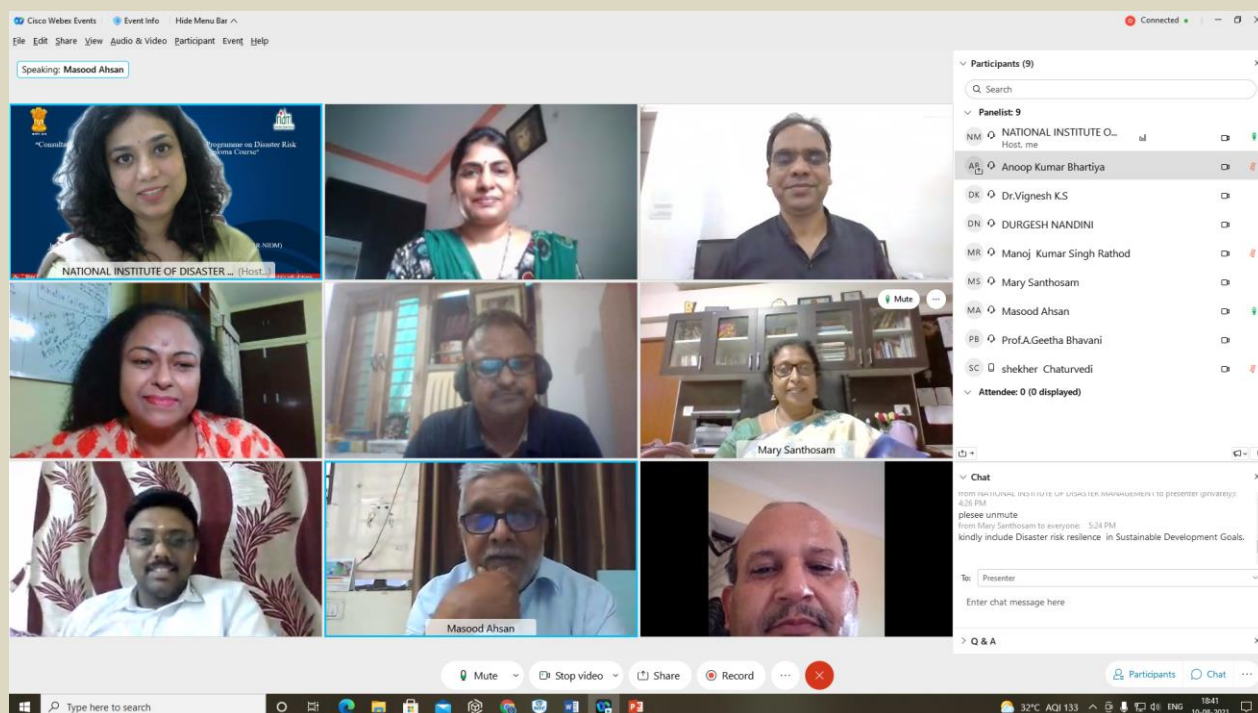


After presentation, group discussion were held to draft the structure and road map of curriculum development on DM for PG diploma and Certificate. The final discussion started and Dr. Anoop Kumar Bhartiya, Prof. Masood Ahsan Siddiqui and Dr. Preeti Soni took an active part in the discussion. At the end, following observations and feedback were arrived for the draft curriculum as per New Education Policy, 2020:

- i. weightage of 60% for Theory and 40% for Practical Papers
- ii. Certificate course for 6 month which will cover 1-Semester
- iii. Student may take exit after completion of 1 semester
- iv. P.G. Diploma in DM will be 1-Year
- v. curriculum will compile reference material, resource material and audio video presentation.

At last, it was decided by the group that Dr. Anoop Kumar Professor & Head, UGC's Centre for Advanced Studies in Social Work, University of Lucknow, will share the outline draft of curriculum to all members and after feedback of all members, draft will be submit to IUINDRR-NIDM for further national assessment.

Vote of Thanks



The meeting came to end at 7 pm with a vote of Thanks. Dr. Preeti Soni, SPC, IUINDRR-NIDM gave vote of thanks to Major General Manoj Kumar Bindal, Executive Director, NIDM, Dr. Pankaj Mittal, Secretary General, Association of Indian Universities, New Delhi, to give their valuable time and sharing of knowledge. She also extended her thanks to Professor Santosh Kumar, GIDRR Head, NIDM, Shri Shekhar Chaturvedi, Assistant Professor, NIDM for their support and guidance. She expressed her thanks to all working group member i.e., Prof. Masood Ahsan Siddiqui Dept of Geography, JMI, New Delhi, Dr. Durgesh Nandini, Professor, IGNOU, New Delhi , Prof. A. Geeta Bhawani, Head, Dept of Chemistry, NIU; Dr. Mary A. Santhosam, Principal, Nazareth College of Arts; Dr. Anoop Kumar Bhartiya, Professor & Head, UGC's Centre for Advanced Studies in Social Work, University of Lucknow; Dr. Manoj Kumar Singh Rathod, B.R.A. University, Agra, UP and Dr. Vignesh K.S., Assistant Professor, S.R.M. Institute of Science & Technology, Chengalpattu, TN. She also gave thanks to IT team of NIDM for technical support.

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Complied by:

*** Dr. Lubna Siddiqui
Associate Professor
Jamia Millia Islamia**

*** Dr.Preeti Soni
Senior Programme Consultant
IUINDRR-NIDM
National Institute of Disaster Management**

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