सत्यमेव जयते

First Executive Committee Meeting of IUINDRR-NIDM, 28th January,2022

12:00 - 1.30 pm

nidm
Resilient India - Disaster Free India

IUINDRR-NIDM

INDIA UNIVERSITIES AND INSTITUTIONS NETWORK-NATIONAL INSTITUTE OF DISASTER MANAGMENT

NATIONAL INSTITUTE OF DISASTER MANAGEMENT, MINISTRY OF HOME AFFAIRS, GOVERNMENT OF INDIA

BACKGROUND NOTE

The 2018 Asian Ministerial Conference on Disaster Risk Reduction 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.

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".*

Importantly, 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 centers.

To address the commitment of India and keeping the importance of Universities and Institutions, **India Universities and Institutions Network for Disaster Risk Reduction (IUINDRR-NIDM)** is being established by NIDM.

Activities under IUINDRR-NIDM as per MOA

- To promote effective partnerships among universities across the country, in specific, and all regions of the world, in general, through education, research, dialogue, forum, project implementation, conferences and publications

- To generate, collect, coordinate and disseminate information to people, governments, intergovernmental and non-government organizations and international and bilateral agencies

- To facilitate and coordinate national and international advocacy on issues of major concern to IUINDRR-NIDM and its member organization.

- To facilitate the establishment and strengthening of national professional councils and societies or other groupings of universities and research organizations with views similar to that of IUINDRR-NIDM.

- To maintain liaison with the national, state and local level designated body engaged in DRR

- To organize meetings, forums and conferences to meet the objectives of the network

In order to achieve objectives of the IUINDRR-NIDM the following Action has been initiated by IUINDRR-NIDM:

- ❖ **Step towards the Agenda 6 of the Hon'ble Prime Minister 10 point' on DRR:**

  i. Consultative Workshop on Universities Network for Disaster Risk Reduction was held form 5-6 April 2019, New Delhi. The background of the workshop was based on the issues related to disaster in India. It has been observed that despite continued efforts in reducing disaster risks global disaster impact continues to rise. India is expected to lose around USD 10 billion annually due to a series of disasters. Recognizing this, the 2030 Agenda for Sustainable Development embeds disaster risk reduction in development processes resulting in the new paradigm of risk-informed development. The Sendai Framework for Disaster Risk Reduction 2015-2030 and regional and national plans on its implementation have highlighted the importance of understanding risk in all its dimensions and emphasize the need for higher education, and theme-based partnership with higher education institutions to facilitate this. The Disaster Management Act of 2005, the National Disaster Management Policy 2009 and the National Disaster Management Plan 2016 (aligned with the Sendai Framework) of India outline the role of education and DRR integration into curricula. The Prime Minister 10 Points Agenda on DRR (Agenda 6, 2016) stresses the need to "Develop a network of universities to work on disaster issues in India." This is complemented by an emerging needs of professionals and practitioners in related fields, capacity building and professional and higher education. To this end, the

National Institute of Disaster Management and the UN Office for Disaster Risk Reduction (UNDRR) convened a consultative workshop on university network for DRR in India. The workshop engaged with selected universities and technical and professional institutions to share experiences, challenges and good practices in higher education on DRR; action-based and policy research; and discuss modalities of the university network.

ii. **Memorandum of Association (MoA) for University Network for Disaster Risk Reduction:** Series of consultative workshops has been conducted for formulation and finalization of MoA on IUINDRR-NIDM during the month of April to August, 2019. The MoA is providing the guideline for policy matters of the Network for the implementation of the programmes (Annexure-I).

iii. **Curtain Raiser Workshop on India Universities and Institutions Network for Disaster Risk Reduction on 25th of February, 2021**:

Inaugural by **Shri Nityanad Rai**, Minister of State for Home Affairs has been done on 25th February, 2021. He reiterated the Hon'ble PM 10-point agenda for DRR with a special mention of point no 6-highlighting network of universities. Minister of State for Home Affairs reiterated the Hon'ble PM 10-point

Shri Nityanand Rai, Hon'ble Minister of State for Home Affairs Inaugurated "Curtain Raiser-workshop on India Universities and Institutions Network for Disaster Risk Reduction (IUINDRR-NIDM)" held on 25 February 2021 organizedby National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India

agenda for DRR with a special mention of point no 6-highlighting network of universities. He emphasized on India's knowledge support to not Indian states but also to member of the SAARC nations, BIMSTEC etc. He also referred about the

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. He suggested that NIDM with the help of this university network identify the local experts who are not associated with any network/ institutions/ universities, but their wisdoms are worth important, they should be engaged in this. Data sharing, almost the faculty members and institutions on different related issues would help in facilitation the most needed research in this area. While quoting Hon'ble Prime Minister he mentioned about India becoming a Vishwaguru with a Motto of 'Vasudev Kutumbukum'. He emphasized for strengthening the network of universities with an aim that the benefits of this reaches the last mile. Experts from the field of academia and research across the world participated in the event.

iv.   **Membership of IUINDRR-NDIM**

In order to strengthen the network, IUINDRR-NIDM has established online portal for opting the membership. The three tire procedure is involved in the entire process of membership of the Network. Firstly, any universities and institutions who wish to join, can login and register on the webpage of IUINDRR-NIDM through their User Id & Password which is confidential and only member organization can use it for further updation. Secondly, after successful registration on the online portal, physical form need to be send to NIDM office duly signed by head of the university/institution and in third stage, IUINDRR Secretariat put up the hard copy of the membership form for approval of Executive Director, NIDM. The IUINDRR Secretariat is inviting universities/institutions to opt the membership of the network on one to one basis and after approval, membership has been update on the online portal which can be seen by clicking the list of members under IUINDRR-NDIM. Presently, membership is open for higher educational universities and institutions form across the country and no fees is applicable to join

the network. As of now, 124 Universities and Institutions are part of the network in which 38 are Central universities, 42 are State Government universities, 15 are state private universities, 10 are deemed universities and 19 are other institutions (list is attached at Annexure- II).

v. **LOGO Creation Contest from 10th June to 21st July, 2021**

In order to strengthen the Network, NIDM has conducted a logo creation contest for India Universities and Institutions Network for Disaster Risk Reduction (IUINDRR-NIDM) from 10th June to 24th July 2021. The terms and conditions of the contest and prize was circulated through flyer which was promot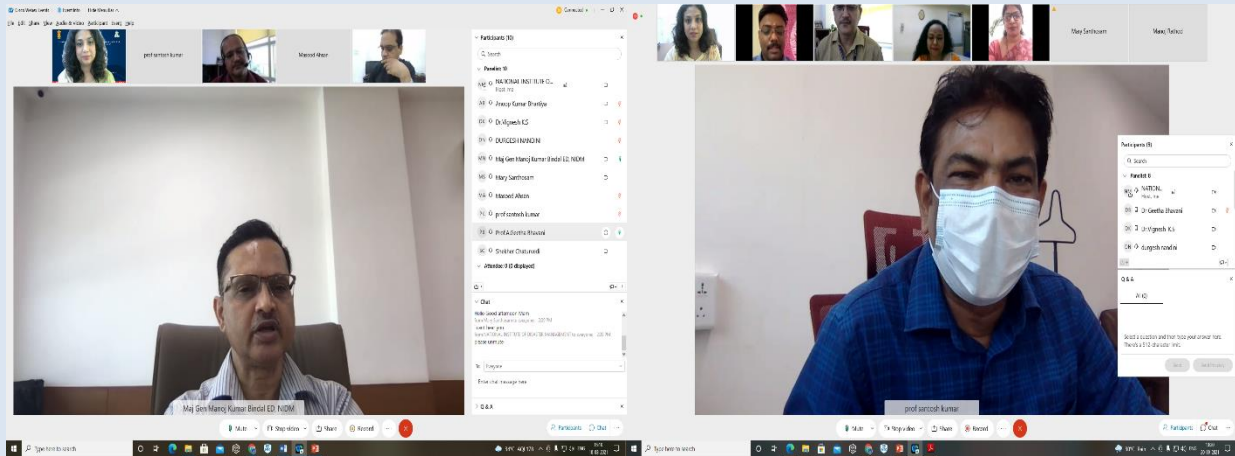ed on social media platform and also shared with the members of IUINDRR-NIDM. The contest has made the provision of prize money of Rs. 15,000/- for first winner, 10,000/- for second and Rs. 5000/- for third winner along with certificate issued by NIDM, MHA,GOI. The two committees has been formulated by the competent authority of the NIDM for screening the entries. In line of objective and criteria of the contest, 152 entries were screened one by one by the members of the preliminary selection committee and committee shortlisted four entries to be presented before the final selection committee for the final decision. Series of meeting were held for the finalization of logo for the Network and the first prize was gone to the logo having the component of networking and global vision for the higher education.

❖ **Strengthened the field of Disaster Management**

To strengthen the field of disaster management in the higher educational sector, IUINDRR-NIDM took initiative for the development of curriculums at undergraduate and post graduate level. The action plan for development of curriculums has been segregated into 3 phases:

First Phase:

To captures experiences and knowledge at National level, IUINDRR-NIDM has invited nominations across country and on the basis of received nominations, after the approval of competent authority of NIDM, two working groups has been formed for the development of zero draft of curriculum for UG and PG level. Series of Consultative meet cum workshop with working group members were held form July, 2021 to October, 2021. Zero draft has been prepared in the line of New Education Policy, 2020 and UGC guidelines.

Second Phase:

In Second stage, suggestions on the zero draft were invited from expert's members of IUINDRR-NIDM from different parts of the country. This exercise was undertaken to get feedback from a wider cross section of the academia and organizations across the Nation. Constructive responses were received from 39 universities/institutions members of IUINDRR-NIDM, which has been incorporated

for final syllabus / curriculums on Disaster Risk Reduction and Management. The purpose of our exercise has been to provide a broad common framework for exchange, mobility and free dialogue across the entire Indian academic community. These recommendations are made in a spirit of work together in the field of disaster management in India.

Hence, IUINDRR-NIDM has prepared 3 following model curriculums in the field of disaster risk reduction and management. The Model Curriculums has been produced to take care of the new concept, skills and to build the capacity of students towards the disaster preparedness and management.

i.   Foundation course for Disaster Risk Reduction

The paper/ curriculum has incorporated 3 credit, including 3 module on the subject.

The field of disaster is multidimensions and has different issues related to region to region. Therefore, the structure of the curriculum is 60 percent in the form of compulsory module and rest as per regional issues related to disaster in the respective regions of India. The curriculum will be offered in the IVth semester under foundation course as per UGC guidelines and will be integrated in every stream of the undergraduate programme.

ii.   Certificate Course on Disaster Risk Reduction and Management
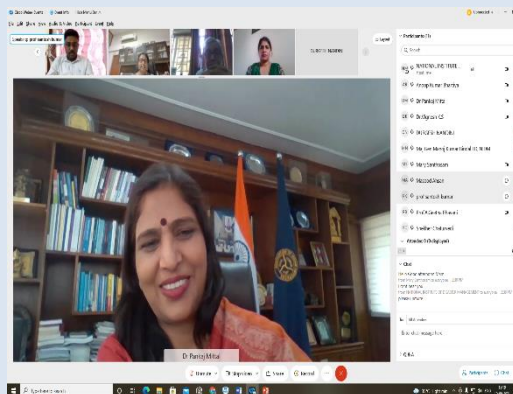
The Certificate Programme in Disaster Risk Reduction and Management has designed to develop the skills required for careers in disaster management. The certificate programme is designed in such a way so that after completion of first year of undergraduate degree, students will get certificate on DRRM and after two years will get degree in specialized field related to Disaster Management. The student may choose to exit after one year with certificate

programme and may rejoin the second year of the UG degree in any specialized field related to Disaster Management within the next specified periods by the UGC/ABC.
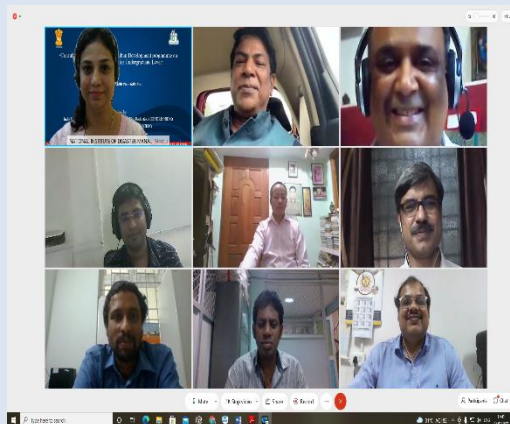
iii. PG Diploma on Disaster Risk Reduction and Management

In order to get the trained professionals in the field of disaster management in India, there is an urgent need to provide an opportunity and exposure to the students 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 o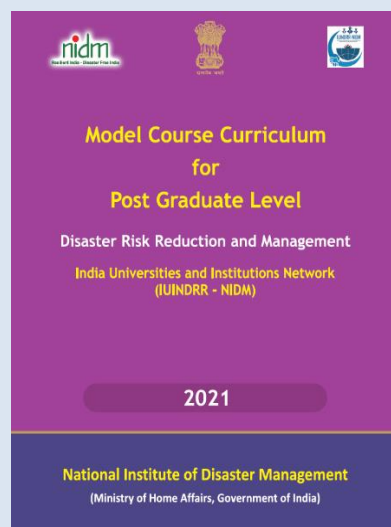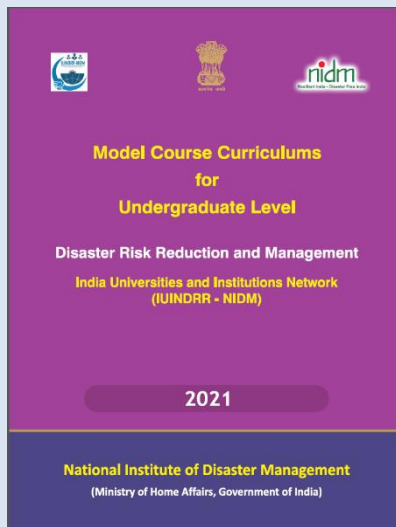verall teaching process. Thus, the PG diploma programme has included the Practical/Application oriented curriculum to offers an opportunity to understand and build the trained professionals under the spectrum of disaster management related aspects. Hence, the Post Graduate Programme in Disaster Risk Reduction designed to develop the skills required for disaster management. The first part of programme is designed in such a way so that after completion of first year, students will get Post Graduate Diploma in Disaster Risk Reduction and after two years will get Master/ MSc degree in specialized field related to Disaster Management. The student may choose to exit after one year with PGDDRR and may rejoin the second year of the PG programme in any specialized field related to Disaster Management within the specified years mentioned by UGC.

Third Stage

In third stage, all the models curriculums developed by NIDM in digital printing format and on 11th January, 2022, both model course curriculums on DRR submitted to University Grant commission for further action. The copies of the model curriculums were also sent to Secretary & Joint Secretary, MHA; Member Secretary, NDMA and Secretary General, AIU for reference.

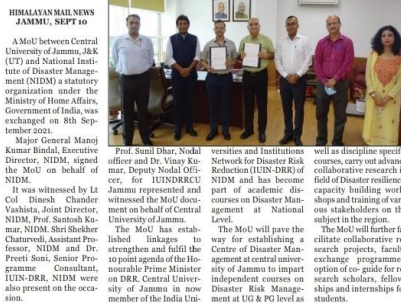## ❖ Capacity Building and Knowledge Creation Programmes

In this context, IUINDRR-NIDM, has conducted programmes on virtual mode in collaboration with members universities and institutions. i.e., "Role of Higher Education on Interventions Strategies Adopted in Mitigation and Management of

Disasters in Context Recent Technological Development held on 17th August 2021" in collaboration with Symbiosis Institute of Geoinformatics, Symbiosis International (Deemed University), Pune, Maharashtra; "Research Interventions- Mitigating Climatic Hazards an Academic Overview conducted on 15th of July,2021" in collaboration with Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar and "Use of Science and Technology in Early Warning of Disaster in North Eastern Region of India on 20th of May, 2021" in collaboration with North Eastern Space Application Centre (NESAC), Department of Geology and IQAC,St. Anthony's College, Shillong, Meghalaya.

vi. **Partnership**

For working together in the field of disaster, 3 MOU has been signed by NIDM with members of IUINDRR i.e., Central University of Kerala, Central University of J&K and College of Mumbai University, University of Mumbai, Maharashtra. The objective of the MOU are creation of knowledge, programmes and research in the field of disaster management.

❖ **Mainstreaming DRR into Higher Education**

Step has been initiated to formulate series of compendium on Best Practices initiated by universities and institutions in India in order to not only mainstream DRR into the higher educational institutions activities but also bring forth their achievements on the objectives of Hon'ble Prime Minister 10 point Agendas on disaster Risk Reduction. First series of Compendium on Agenda 3 "Role of Women in Disaster Risk Management" has been launched on 15th December, 2021. The selected best practice will be published as a compendium and will be release at National Conference.

Review of Expenditure during F.Y 2020-21

Majority for the programme could not be implemented due to Covid-19 during the F.Y 2020-21, however few programmes implemented on virtual mode only.

S.No	Item	Allocated Budget (In lakhs)	Expenditure
1	International Conference (one day)	15.0	NA
2	Website development , Maintenance and Logo creation	3.0	0. 30
3	Three Executive Committee Meeting @ 2 .0 per meeting	6.0	On virtual mode
4	Two Research Projects @ 3.0	6.0	NA
5	Standardization of DM Courses / Curriculum development	2.0	1.0 (On virtual mode)
6	6 Regional workshop @ 3 lakh each	18.0	On virtual mode (regional webinars)
7	Development of IEC material for awareness	3.0	NA
8	Travel Expenses	3.0	NA
9	Salary of 1 senior prog. consultant @ Rs. 1 lakh	12.0	11.0
10	**Total**	**68**	**12.3**

Total balance=Rs. 55.7 lakh (Rs. 68.0 lakh- Rs. 12.3 lakh)

Agenda of First Executive Committee Meeting of India Universities and Institutions Network on Disaster Risk Reduction-National Institute of Disaster Management, Ministry of Home Affairs, Government of India

Agenda	Item	Objective	Outcome
I	Recommendation for proposed activities during the F.Y 2022-23 under IUINDRR-NIDM	To Discuss the programmes and activities of the Network for the next financial year	Frame out of Annual Action plan for F.Y 2022-23 for approval
II	Recommendation for Membership of IUINDRR-NIDM for expansion of the network	To discuss the strategies for strengthening the programmes and activities of the Network	Open gate for other sectors for membership of IUINDRR for approval
III	Recommendation for Knowledge Creation under Network.	To provide new provision for members of the Network	Strengthening of web portal of the Network
IV	Recommendation for Proposed Budget for programmes and activities for the F.Y 2022-23	To Discuss budgetary provision for the programmes and activities for the next financial year	Budget allocation of Annual Action plan for F.Y 2022-23 for approval
V	Recommendation for Terms of Reference for proposed programmes for the F.Y 2022-23	To Discuss TOR for the proposed programmes and activities for the next financial year	Finalization of TOR for approval

Proposed Annual Action Plan F.Y 2022-23
i) National Conference

To highlight the initiatives of higher educational organization, National conference will be held to release of 1st series of Compendium on Agenda 3: "Role of women in Disaster Risk Management". The National Conference will provide the platform to showcase and discuss innovations in the field of DRM taken by higher educational bodies in India.
ii) Regional Conference

The objectives of the regional conference is to provide platform for linkages with State Disaster Authority and higher educational institutions/universities to work together in the field of disaster management/risk reduction at State level.

iii) Development of Curriculum

The IUINDRR-NIDM will propose consultative workshops for the development of course curriculums on DRR for graduate degree and post graduate degree programme. Working group will be constitute through involving experts from the members of network across the country.

iv) Development of Training Material/Module

IUINDRR-NIDM will develop the training module for the academician which will help them to train themselves and can implement the course curriculums in their respective universities. Module will be developed through the member organizations on the invitation basis. The developed module will be the sole property of NIDM however, it will send to UGC and AICTE for further circulations.

v) National Seminar
To strengthen the research and knowledge creation in the field of Disaster Management, a National Seminar will be organized in collaboration with member's organization on invitation basis. The seminar will involve research scholars, academicians and research across the country for the creation of new knowledge and research in the field of disaster management.

vi) Research Project
Call for Two research proposals will be open for all members and during the year two research studies at regional/state level will be finalized on the issues related to disaster risk reduction.

vii) Awareness Generation programme
One awareness generation programme focusing on community, youth and academician will be proposed. The objective of the programme will be sensitization on the issues related to DRR and also to generate IEC material at regional level.

Membership of IUINDRR-NIDM

In order to make network of universities and institutions in India, IUINDRR-NIDM is inviting universities and institutions on one to one basis to opt the membership on the web portal of the network. Presently, membership is open for only for Indian universities and institutions.

Two types of memberships may open for membership of IUINDRR-NIDM during F.Y 2022-23:

i. Individual Membership

a) An individual/expert that wishes to participate in, or benefit from, IUINDRR-NIDM activities, but because of constitutional constraints or reasons of principles cannot be a member, may apply for individual membership. Such membership will be open at IUINDRR-NIDM web page determined by Executive Director, NIDM. The web page will give the provision to opt the membership as an individual.

b) Individual which includes young scientists and professionals, experts working in the field of disaster risk reduction can opt the membership of the Network- (those can contribute in the field of DRR).

c) The individual have to opt the membership as an individual mentioning their expertized, contact details and their contribution towards the strengthening of Network.

ii. Observers

a) Governments, intergovernmental organizations, UN, civil societies, NGO networks and other official bodies similarly interested may be invited by the Secretariat for opting the membership.

b) The organization have to opt the membership as an observer mentioning their expertized, contact details and their contribution towards the strengthening of Network.

c) Central University's Colleges can be part of the observer to contribute in the field of DRR.

d) Such membership will be open at IUINDRR-NIDM web page determined by Executive Director, NIDM. The web page will give the provision to opt the membership as an observer.

Knowledge Creation under Network

To create knowledge and partnership with universities and institutions across the country following provisions may open for the member's organization under the webpage of the IUINDRR-NIDM:

1. **Notice board corner**: it will have the feature of providing all members to upload their events related to disaster for wider dissemination and coverage of the programme. The member will have the responsibility for further query related to the event of programme through their contact details and university link.

2. **Corner of website Link of members**: this feature will help members to click on Member University /institute for further information. The link will directly reach to the university/institute website for details.

3. **Knowledge and Documentation corner**: this feature will give the corner to members to upload documents/ publications/ / thesis subject to approval of competent authority of NIDM. This will help to generate knowledge on the issue which can use for reference.

4. **E- Library**: this feature can be link up with above mentioned document corner or can be separate in the form of E-Library. Members can upload published material like books, chapters, papers written by them or anyone else across the world on the disaster. This library will be helpful for future researcher and academicians for reference. The published material subject to approval of competent authority of NIDM.

5. **Search Courses**: This feature will provide search option which will give the access to find different courses on DRR/DM, such as PhD, MPhil, Certificate, Diploma, Degree programme mentioning the university/institute details and weblink. It will help members to know different programme on the field of disaster on one click.

Agenda Item 4

Proposed Budget for Programmes and Activities for the F.Y 2022-23

S.no	PROGRAMME	OBJECTIVE	TOTAL BUDGET (in lakhs)	Method of implementation
1	National Conference	Release of 1st series of Compendium and platform to discuss best practices taken by higher educational bodies towards DRR	8.0	IUINDRR-NIDM
2	3 Regional conference with all partnering universities/institution at regional level (3)	Linkage with State Disaster Authority and higher educational institutions/universities to work together in the field of disaster management/risk reduction at State level	9.0 (@3.0 each)	In collaboration with members organizations (call for proposal)
3	Consultative Workshops	Development of curriculum on DRR for graduate degree and post graduate degree programme on DRM	10.0	IUINDRR-NIDM
4	Consultative workshops for training material/module on course curriculums	Development of training material/module on course curriculums	5.0	In collaboration with members organizations (call for proposal)
5	National Seminar	Strengthen Research and knowledge creation in the field of Disaster Management	5.0	In collaboration with members organizations (call for proposal)
6	Two Research Project	Call for research proposal region wise. Finalization of two research project	6.0 (@ 3.0 each)	In collaboration with members organizations (call for proposal)
7	Awareness Generation programme/ IEC development (Miscellaneous prog.)	Need based programme which are not fallen in above category	3.0	In collaboration with members organizations (call for proposal)

Total Annual Budget for programmes @ Rs. 46.0 lakh + Salary of one SPC @ Rs. 12.0 lakh=58 Lakh

Terms of Reference for proposed programmes for the F.Y 2022-23

a) **Research Project**: To enhance recognition of the vital role of universities in implementation-oriented education and research in disaster risk reduction and related field. There is a need to create and disseminate knowledge, documents and research in the field of DRR in India.

   i.   Proposal has to be forward by head of the university/institute/ organization. Individual member may submit the proposal by mentioning the reasoning and importance of the proposal.

   ii. The IUINDRR-NIDM secretariat can invite proposal time to time through portal from the approved members

   iii. Duration of research project will be minimum period of two months to maximum two years (as per the importance or need of the research project)

   iv. IUINDRR-NIDM can invite micro and macro level research project amongst its members.

   v.   All the publications done under IUINDRR-NDIM will be sole property of NIDM with due credit to its contribution. These publications may be referred to in other publications/ activities with due credit to NIDM.

b) **Seminar at National level**

   i.   Network shall organize seminars programme by using the expertise of academicians and experts at National and International Level to achieve the objectives of the IUINDRR-NIDM.

   ii. The seminar will be organize in collaboration of member's universities / institutions on the invitation basis.

   iii. Programme may organize both online and offline mode.

   iv. The duration of the programme shall be minimum two days

   v.   IUINDRR-NIDM will bear the travel expenditure along with local conveyance as per entitled class / economy fare of invited experts/ paper presenter.

   vi. The financial norms will be depend upon the requirement of the programme

C)   Consultative workshops/ Meeting

IUINDRR-NIDM may organize workshops / meeting for development or strengthen the Curriculums and training Modules on the curriculums to build the capacity of the academicians.

i. The honorarium for experts will be maximum celling of Rs. 10,000/- per meeting (per programme).
ii. Workshop duration will depend upon the objective of the meeting/workshop
iii. No set limit is for numbers of workshops, it will depend upon the completion of the programme.
iv. Workshop may be held in collaboration with members of the network with the maximum limit of Rs. 3 lakhs at Regional level and 5 lakhs at National/International level.
v.   The duration of the workshop may limit one day to 3 days.
vi. The training module will be developed in collaboration with members of network on invitation basis.
vii. NIDM will bear the cost of printing and document will be the sole property of the NIDM

D Awareness Generation programme/ IEC development

i.   Awareness generation programme will be organize in collaboration with members for community, youth or any other specific group.
ii.   The duration of the prgramme will be one day to maximum two days
iii. Expenditure will be on sharable basis with mutual consent.
iv.   For IEC material NIDM will bear the printing cost.

India University and Institute Network for
Disaster Risk Reduction (IUIN-DRR), National Institute of Disaster Management (NIDM), Ministry of Home affairs, Government of India

MEMORANDUM OF ASSOCIATION

(Version 1)

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Contents

- Preamble to IUIN-DRR Memorandum of Association
- Memorandum of Association

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PREAMBLE TO IUIN-DRR MEMORANDUM OF ASSOCIATION

Despite continued efforts in reducing disaster risk, economic losses from disasters are rising globally. It is estimated that it has increased from US$50 billion each year in the 1980s, to just under $200 billion each year in the last decade (World Bank and GFDRR 2013). India is also experiencing a similar trend with an average annual estimated economic loss of $9.8 billion out of

which more than $7 billion is due to floods (GAR 2015[1]) 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, change in average climate conditions and variability are visible, and extreme climate events are being experienced annually in recent past resulting in huge 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.

Building on the **Hyogo Framework for Action**[2], which featured 'knowledge, innovation and education to build a culture of safety and resilience as a key priority, the **Sendai Framework for Disaster Risk Reduction 2015-2030**[3] identifies "Understanding Disaster Risk" as its first Priority for Action. Enhancing awareness including through formal and non-formal education, research, civic and professional education and training at all levels have been identified as some critical means to achieve this.

The Sendai Framework: Priorities for Action

Priority1. Understanding disaster risk: Disaster risk management should be based on an understanding of disaster risk in all its dimensions of vulnerability, capacity, exposure of persons and assets, hazard characteristics

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[1] www.unisdr.org/we/inform/publications/42809
[2] https://www.unisdr.org/we/coordinate/hfa
[3] https://www.unisdr.org/we/coordinate/sendai-framework

and the environment. Such knowledge can be used for risk assessment, prevention, mitigation, preparedness and response.

Priority2. Strengthening disaster risk governance to manage disaster risk: Disaster risk governance at the national, regional and global levels is very important for prevention, mitigation, preparedness, response, recovery, and rehabilitation. It fosters collaboration and partnership.

Priority3. Investing in disaster risk reduction for resilience: Public and private investment in disaster risk prevention and reduction through structural and non-structural measures are essential to enhance the economic, social, health and cultural resilience of persons, communities, countries and their assets, as well as the environment.

Priority4. Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation and reconstruction: The growth of disaster risk means there is a need to strengthen disaster preparedness for response, take action in anticipation of events, and ensure capacities are in place for effective response and recovery at all levels. The recovery, rehabilitation and reconstruction phase is a critical opportunity to build back better, including through integrating disaster risk reduction into development measures.

The **Disaster Management Act of India 2005** and the **National Disaster Management Policy (2009)** also articulate the need to conduct detailed hazard risk and vulnerability analysis for preparation of effective disaster management plans at various levels. Importantly, the **National Disaster Management Plan (2016)**, one of the first national DRR plans globally to be aligned with the Sendai Framework, 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.

The **2018 Asian Ministerial Conference on Disaster Risk Reduction**[4] in Ulaanbaatar reiterated the need to incorporate disaster risk reduction education

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[4]www.unisdr.org/amcdrr2018

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. Honourable Prime Minister of India has given 10 point agenda on disaster management.

1. All development sectors must imbibe the principles of disaster risk management.
2. Work towards risk coverage for all-starting from poor households to SMEs to multi-national corporations to nation states.
3. Encourage greater involvement and leadership of women in disaster risk management.
4. Invest in risk mapping globally. For mapping risks related to hazards like earthquakes we have accepted standards and parameters.
5. Leverage technology to enhance the efficiency of our disaster risk management efforts.
6. Develop a network of universities to work on disaster issues.
7. Utilise the opportunities provided by social media and mobile technologies.
8. Build on local capacity and initiative.
9. Opportunity to learn from a disaster must not be wasted. After every disaster there are papers on lessons that are rarely applied.
10. Bring about greater cohesion in international response to disasters.

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".

To address this, **India University and Institute Network for Disaster Risk reduction (IUIN-DRR)** is established with several esteemed universities in India, which come together to share knowledge resources related to disaster risk management amongst themselves and beyond to the larger group of stakeholders working on DRR.

IUIN-DRR members work in close collaboration to conduct education and research, share findings and find ways forward in a country that is increasingly at threat due to climate change impacts and disaster risks. The university members work closely with governments, international agencies and corporate and civil society organizations to establish collaborations that eventually lead to resilient communities and robust policies towards this goal. IUIN-DRR reflects each member's commitment to implementation-oriented education and research in the field of disaster risk reduction.

This document is the operational framework of IUIN-DRR, which is discussed by the focal persons of member universities, and does not entail any legal obligations to its member universities.

MEMORANDUM OF ASSOCIATION

- For first two years of MOA, network will be considered in incubation period (in the process of setting up) therefore, the proposed organization structure will be flexible and ED, NIDM will be Executive Head.
- ED, NIDM would be Chairperson of this network with final authority over all matters pertaining to the Network.
- Initial Funding would be taken care of by NIDM/ MHA/ UNISDR subject to approval of the competent authority.

- The Network will run as part of NIDM project.
- Version 2 of MOA would be drafted at later stage based on the two year experience of its implementation.

PART A: India University and Institute Network for Disaster Risk Reduction

Article 1. Name, Vision

1.1 Name

India University and Institute Network for Disaster Risk reduction (IUIN-DRR) is a network of universities and institutions undertaking education and research in the fields related to disaster risk reduction.

IUIN-DRR is non-partisan and operates without discrimination in regard to race, gender, political or religious conviction and social and economic background.

1.2 Vision

Vision of the IUIN-DRR is to build nation and communities safe and resilient to disasters, through education, knowledge creation, research, technology and dissemination.

Article 2. Objectives

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

4. To document, develop and disseminate knowledge products in the field of disaster risk reduction

5. 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)

6. To collaborate on field-based and policy oriented research focusing on different aspects of disaster risk reduction and related fields

7. 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

8. To provide a forum for consultation, information sharing and cooperation among universities on matters and themes of common interest

Article 3. Activities

The activities of IUIN-DRR are:

1. To promote effective partnerships among universities across the country, in specific, and all regions of the world, in general, through education, research, dialogue, forum, project implementation, conferences and publications

2. To generate, collect, coordinate and disseminate information to people, governments, intergovernmental and non-government organizations and international and bilateral agencies

3. To facilitate and coordinate national and international advocacy on issues of major concern to IUN-DRR and its member organizations

4. To facilitate the establishment and strengthening of national professional councils and societies or other groupings of universities and research organizations with views similar to that of IUN-DRR

5. To maintain liaison with the national, state and local level designated body engaged in DRR

6. To organize meetings, forums and conferences to meet the objectives of the network

Article 4. Resources
- IUIN-DRR shall obtain the funds and /or other forms of support necessary for its work through contributions, donations, grants, provided that these are not subject to conditions which are contrary to the vision and objectives of the network.
- All financial auditing will be done by the auditor appointed by NIDM.
- UNISDR's or other donors/ funder's role and their funding support should be clearly defined by Executive Committee/ NIDM/ MHA.
- The Secretarial support will be provided by NIDM.

Article 5. Structure
IUIN-DRR shall have the following structure:
1. An Executive Committee will have a maximum of 15 members. It will be headed by ED, NIDM. One Faculty member from NIDM will be part of this committee. Other members will include one each of sufficient seniority from UGC, AICTE and AIU. The remaining two to four members of high credentials and established professionals and academia will be nominated/ invited. The Committee will also have one member each, from amongst the members of the Network, representing 5 different regions of the country.
2. General body of Member Universities/ Institutions (hereinafter referred to as General Assembly).
3. Other need-based committees, bodies and initiatives to be decided by the Executive Committee.
4. Coordinating NIDM Faculty would be Member Secretary of this network.
5. NIDM will house the secretariat which will be supported by consultant and secretariat staff.

Article 6. Membership

6.1 Membership

The following organizations can be members of the IUN-DRR:

- National and International Universities / institutes conducting education/research and extension programs in disaster risk reduction and climate change.
- Individual- (to be opened at later stage)
- The membership will be initially open to selected/ select organizations as determined by the Executive Committee.
- Universities/ Institutions engaged in disaster risk reduction and climate change activities based on the criteria to be decided separately.
- Member universities retain their autonomy, including the right of withdrawal from the network. The Executive Committee shall decide the membership of the network. Each member university needs to submit a signed membership note with a validity of three years, along with the name of the focal person for the network. The Executive Committee can invite universities to become members.

6.2 New Membership

A university seeking membership of IUN-DRR shall submit its request letter to the NIDM/ Executive Committee, IUIN-DRR Secretariat with information on its activities related to the network objectives. The Executive Committee will decide on the inclusion of new members.

6.3 Observers

1. A university or research organization that wishes to participate in, or benefit from, IUN-DRR activities, but because of constitutional constraints or reasons of principles cannot be a member, may apply for an Observer Status. The Executive Committee shall decide on the

application based on a recommendation from the NIDM/ Executive Committee.

2. Governments, intergovernmental organizations, UN, civil societies, NGO networks and other official bodies similarly interested may be invited by the Secretariat to send official observers to the General Assembly after due deliberation by the Executive Committee.

6.4 Membership Fees

At present, there is no membership fee. Fees, if any, will be reviewed at later stage (after one year).

6.5 Termination of Membership

The membership of a university/ institute may be suspended for good and sufficient reasons by a decision of Executive committee.

Part B. IUIN-DRR General Assembly

Article 7. Functions of the General Assembly

The General body is the supreme body of IUN-DRR with responsibility for formulation and review of policy and programs and report on their network related initiatives. Its functions are:

1. To discuss issues and concerns of the universities in education and research on disaster risk reduction across member universities;
2. To establish and review guidelines;
3. To review past programs;
4. To suggest, adopt future programs through presentation of proposals;
5. To receive and review reports from the Executive Committee;
6. To inform, through a brief report to the Secretariat, all the network-related and proposed activities at the beginning and end of each financial/ calendar year;

7. To receive audited financial statements, as and when applicable;

8. To consider such resolutions as may be submitted by member universities;

9. To establish and mandate working groups and other ad-hoc and standing bodies;

10. To review membership and contributions/ participation of members periodically.

PART C. Other Structures

Article 8. Composition of the Executive Committee

1. An Executive Committee will have a maximum of 15 members. It will be headed by ED, NIDM. One Faculty member and Secretary (Programme Director) of the Secretariat from NIDM will be part of this committee. Other members will include one each of sufficient seniority from UGC, AICTE and AIU. The remaining two to three members of high credentials and established professionals and academia will be nominated/ invited. The Committee will also have one member each, from amongst the members of the Network, representing 6 different regions of the country.

2. Members of the Executive Committee shall serve for a maximum period of two consecutive terms, each term consists of 2 years. Every two years not more than one-third of the members of the Committee could change so as to ensure continuity.

3. The Executive Committee shall meet at least once in every quarter, which may be held face to face or through appropriate communication media.

4. The Executive Committee is free to co-opt members and also may utilize the services of specialists and advisors and may participate in an advisory capacity in the meetings of the Executive Committee, without vote.

5. In the event that a member university elected to the Executive Committee by the General body decides not to serve on it, or subsequently resigns, the

Executive Committee has the power to co-opt an additional member university/ Institute to fill such vacancy.

Article 9. Functions of the Executive Committee

The Executive Committee is the policy, oversight and coordinating body on behalf of the General Assembly and other bodies mentioned in these Memorandum of Association. Its functions are:

1. To establish any necessary by-laws in accordance with the Memorandum of Association;
2. To raise funds and resources for the functioning of IUIN-DRR.
3. To pass upon applications, memberships to IUIN-DRR;
4. As and when required, to determine an annual budget and exercise control thereof, as well as to receive contributions, donations and legacies, and raise funds from such sources as it deems appropriate;
5. As and when required, to establish a committee on finance and administration to review all matters pertaining to financial resources, financial management and administration;
6. To establish terms of reference, composition and time limits for any other necessary committees, working groups or task forces;
7. To suspend or terminate agencies from membership for other good and sufficient reason, as established by the Executive Committee;
8. To apply for consultative or other status, as appropriate, with intergovernmental organizations and bodies;
9. To maintain relations with national or international bodies, groups or councils of voluntary agencies;
10. To prepare the meetings of the General Assembly, including the establishment of a nominations committee for the purpose of preparing the election by the General Assembly of the Executive Committee (Valid for version 2);
11. To formulate and implement policy in line with the general guidelines adopted by the General Assembly.

Article 10. Functions of the Secretariat

The Secretariat will be housed at NIDM and supported by NIDM. The Secretariat works under the direction of the Executive Committee. It is led and managed by the Secretary, who is directly responsible to the Executive Committee.

The roles and responsibilities of the Secretariat are:
1. To work with the Executive Committee and member agencies to achieve the purposes of the network.
2. To facilitate organizing the General Assembly.
3. To facilitate the formulation of and implement with the authorization of the Executive Committee, policies, programmes and priorities identified by the General Assembly, the Executive Committee and other IUIN-DRR bodies, where appropriate.
4. To help define issues and recommend priorities in consultation with the membership on concerns that may warrant the attention/action of network's constituent bodies;
5. To propose specific activities to the Executive Committee;
6. As and when applicable, to manage the programs and finance of the network and report regularly to the Committee on Finance and Administration and Executive Committee;
7. To liaise and, when authorized by the Executive Committee, represent the Council with relevant governmental, intergovernmental and non-governmental organizations as appropriate in achieving network goals;
8. To facilitate and service the constituent IUIN-DRR bodies and other network meetings;
9. To provide services to members and other organizations as authorized by the Executive Committee;
10. To develop publications and outreach materials with its member universities;

11. To host the website and update the information contained therein; and
12. To promote membership of the network

PART D. GENERAL

Article 11. Language

The working language of IUIN-DRR shall be English.

Article 12. Amendments of Statutes (No voting for first two years)

The Statutes may be amended in accordance with the following procedure:

1. A proposal for amendment may be submitted in writing to the Secretariat, either by a member of IUIN-DRR or by the Executive Committee, not later than thirty days prior to the opening of any meeting of the General Assembly. General Assembly will be announced with at least 60 days prior notice.
2. Any such proposal shall be submitted in writing to all IUIN-DRR members at least thirty days prior to the General Assembly;
3. Proposed amendments shall be accepted upon its adoption by the members present and voting;
4. Amendments so adopted enter into effect at the close of that General Assembly.

Article 13. Review

The performance of network will be reviewed after two year and accordingly version 2 would be submitted to the MHA and General Assembly.

-End-

REGISTRATION_NO	STATE	UNIVERSITY_INSTITUTION
IUINREG04	Tripura	The ICFAI University Tripura
IUINREG08	Kerala	Amrita Vishwa Vidyapeetham
IUINREG013	Odisha	Udyajit institute of management and technology
IUINREG017	Tamil Nadu	VELLORE INSTITUTE OF TECHNOLOGY
IUINREG021	Manipur	Manipur Technical University
IUINREG026	Madhya Pradesh	Vikrant Institute of Technology and Management Gwalior
IUINREG027	Meghalaya	North-Eastern Hill University
IUINREG029	Maharashtra	Symbiosis Institute of Geoinformatics, Symbiosis International University
IUINREG030	Kerala	MAHATMA GANDHI UNIVERSITY
IUINREG031	Uttarakhand	Indian Institute of Technology Roorkee
IUINREG032	Uttar Pradesh	DR. B. R. AMBEDKAR UNIVERSITY
IUINREG033	Maharashtra	Vishwakarma University, Pune, India
IUINREG034	Tamil Nadu	SRM Institute of Science and Technology, Kattankulathur
IUINREG037	Bihar	Dr. Rajendra Prasad Central Agricultural University
IUINREG038	Uttar Pradesh	University of Â Lucknow
IUINREG039	Bihar	Central University of South Bihar
IUINREG041	Jammu Kashmir	Central University of Jammu
IUINREG043	Tamil Nadu	ALAGAPPA UNIVERSITY
IUINREG044	Delhi	JAMIA MILLIA ISLAMIA,NEW DELHI
IUINREG046	Kerala	Central University of Kerala
IUINREG047	Meghalaya	St. Anthony's College
IUINREG048	Punjab	Central University of Punjab
IUINREG049	Jammu Kashmir	UNIVERSITY OF KASHMIR
IUINREG051	Rajasthan	Central University of Rajasthan
IUINREG052	Maharashtra	BL AMLANI COLLEGE OF COMMERCE AND ECONOMICS
IUINREG053	Gujarat	Central University of Gujarat
IUINREG054	Andhra Pradesh	CENTRAL UNIVERSITY OF ANDHRA PRADESH
IUINREG055	Uttar Pradesh	Aligarh Muslim University
IUINREG056	Mizoram	Mizoram University
IUINREG057	Haryana	Kurukshetra University
IUINREG058	Bihar	IIM BODH GAYA
IUINREG059	Assam	IIT Guwahati
IUINREG060	Maharashtra	JTSDS, TISS
IUINREG062	Karnataka	Central University of Karnataka, Kalaburagi
IUINREG063	Maharashtra	Mahatma Gandhi Antarrashtriya Hindi VishwaVidyalaya,Wardha
IUINREG064	Andhra Pradesh	SRI VENKATESWARA INSTITUTE OF MEDICAL SCIENCES
IUINREG065	Jharkhand	BIRLA INSTITUTE OF TECHNOLOGY

IUINREG066	Himachal Pradesh	Jaypee University of Information Technology
IUINREG067	Assam	Dibrugarh University
IUINREG068	Karnataka	Yenepoya (Deemed to be University)
IUINREG069	Gujarat	Sumandeep Vidyapeeth Deemed to be University
IUINREG070	Chhatisgarh	Hemchand Yadav Vishwaviyalaya
IUINREG071	Karnataka	Karnataka State Rural Development and Panchayat Raj University, Gadag
IUINREG072	Gujarat	Indian Institute of Public Health Gandhinagar
IUINREG073	Uttar Pradesh	Invertis University
IUINREG074	Assam	Assam Women's University
IUINREG075	Karnataka	BLDE (Deemed to be University)
IUINREG076	Kerala	University of Kerala
IUINREG077	Meghalaya	NORTH EASTERN SPACE APPLICATIONS CENTRE
IUINREG079	Karnataka	JSS Science and Technology University
IUINREG080	Maharashtra	Faculty of CBRN Protection
IUINREG081	Uttar Pradesh	Prof. Rajendra Singh (Rajju Bhaiya) University, Prayagraj
IUINREG082	Odisha	National Institute of Science Education and Research, Bhubaneswar
IUINREG083	Madhya Pradesh	Disaster Management Institute
IUINREG084	Gujarat	NATIONAL FORENSIC SCIENCES UNIVERSITY
IUINREG085	Telangana	National Institute of Rural Development & Panchayati Raj
IUINREG086	Arunachal Pradesh	North East Frontier Technical University
IUINREG088	Maharashtra	Dada Ramchand Bakhru Sindhu Mahavidyalaya
IUINREG089	Uttar Pradesh	Noida International University
IUINREG090	Gujarat	The Maharaja Sayajirao University of Baroda
IUINREG095	Delhi	Indira Gandhi National Open University
IUINREG096	Delhi	Delhi Technological University
IUINREG097	Uttar Pradesh	Integral University
IUINREG098	Madhya Pradesh	Women's Studies and Research Centre, Rani Durgavati Vishwavidyalaya Jabalpur
IUINREG099	Uttar Pradesh	Shri Ramswaroop Memorial University
IUINREG0100	Chandigarh	Panjab University
IUINREG0103	Rajasthan	Sobhasaria Group of Institutions
IUINREG0104	Himachal Pradesh	Chitkara University, Himachal Pradesh

IUINREG0106	Maharashtra	Dr. D. Y. Patil College of Education, Pimpri, Pune(Savitribai Phule Pune University, Pune)
IUINREG0107	Chhatisgarh	MATS University Raipur
IUINREG0108	Kerala	ILDM
IUINREG0109	Andaman and Nicobar Islands	PONDICHERRY UNIVERSITY
IUINREG0110	Delhi	Disaster Resilient and Research Foundation
IUINREG0111	Delhi	Jawaharlal Nehru University
IUINREG0112	Haryana	Central University of Haryana
IUINREG0113	Uttarakhand	HNB Garhwal University
IUINREG0114	Odisha	Odisha State Open University
IUINREG0115	Maharashtra	Shivaji University, Kolhapur
IUINREG0116	Jharkhand	Central University of Jharkhand
IUINREG0117	Himachal Pradesh	Central University of Himachal Pradesh
IUINREG0119	Kerala	Occupational Safety & Health Training Institute
IUINREG0120	Andhra Pradesh	Sri Krishnadevaraya University
IUINREG0121	Tamil Nadu	AMRITA VISHWA VIDYAPEETHAM COIMBATORE
IUINREG0122	Tripura	Tripura University
IUINREG0123	Assam	Assam University,
IUINREG0125	West Bengal	South Asian Institute for Advanced Research & Development (SAIARD)
IUINREG0126	Tamil Nadu	Central University of Tamil Nadu
IUINREG0127	Madhya Pradesh	MAHAKAUSHAL UNIVERSITY
IUINREG0128	Assam	Assam Science and Technology University
IUINREG0129	Andhra Pradesh	Andhra University
IUINREG0130	Madhya Pradesh	SWAMI VIVEKANAND UNIVERSITY
IUINREG0131	Goa	Goa University
IUINREG0132	West Bengal	Vidyasagar University
IUINREG0133	Andhra Pradesh	Dr. YSR Architecture & Fine Arts University
IUINREG0134	Kerala	Cochin University of Science and Technology
IUINREG0135	Andhra Pradesh	Dr.Y.S.R. HORTICULTURAL UNIVERSITY
IUINREG0136	Gujarat	Gujarat Technological University
IUINREG0137	Karnataka	National Institute of Technology Karnataka
IUINREG0138	Assam	BHATTADEV UNIVERSITY, BAJALI
IUINREG0139	Gujarat	Parul University
IUINREG0140	Tamil Nadu	Indian Maritime University, Chennai
IUINREG0141	Chhatisgarh	Hidayatullah National Law University

IUINREG0142	Uttarakhand	Indian Institute of Remote Sensing
IUINREG0143	Jharkhand	JHARKHAND RAKSHA SHAKTI UNIVERSITY
IUINREG0145	Maharashtra	Tilak Maharashtra Vidyapeeth
IUINREG0146	Tamil Nadu	Vinayaka Mission's Research Foundation Deemed to be University
IUINREG0147	Maharashtra	Maharashtra National Law University, Nagpur
IUINREG0148	Andhra Pradesh	SRM University, AP - Andhra Pradesh
IUINREG0149	Maharashtra	Maharashtra University of Health Sciences
IUINREG0150	Assam	Krishnaguru Adhyatmik Visvavidyalaya
IUINREG0151	Telangana	Maulana Azad National Urdu University
IUINREG0152	Tamil Nadu	TNAU
IUINREG0153	Odisha	KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY
IUINREG0154	West Bengal	COOCH BEHAR PANCHANAN BARMA UNIVERSITY
IUINREG0155	Tamil Nadu	Tamil Nadu Dr.J.Jayalalithaa Fisheries University
IUINREG0156	Delhi	Kamala Nehru College, University of Delhi, Delhi
IUINREG0157	Chandigarh	DST-CPR, Panjab Univeristy, Chandigarh
IUINREG0158	Gujarat	Gujarat Maritime University
IUINREG0159	Uttar Pradesh	IIT(BHU), Varanasi
IUINREG0160	Uttar Pradesh	Indian Institute of Technology (BHU) Varanasi
IUINREG0161	Tamil Nadu	Nazareth Institute of Arts and Science
IUINREG0162	Delhi	Indian Social Responsibility Network
IUINREG0163	Karnataka	Indian Institute of Technology Dharwad