

3 MONTH (HYBRID) CERTIFICATE COURSE ON DISASTER RISK REDUCTION AND NATIONAL SECURITY

"Unlocking Knowledge for a Resilient Future"

**JOINTLY ORGANISED
BY**

**School of Internal Security and Police
Administration**

Rashtriya Raksha University

&

Gujarat Institute of Disaster Management

ABOUT RASHTRIYA RAKSHA UNIVERSITY

Rashtriya Raksha University, an Institution of National Importance, Pioneering National Security and Police University, Ministry of Home Affairs, Government of India, is established by the Parliament of India, Act No. 31 of 2020. The University aims to become an academic-research-training ecosystem for national security and police. Its endeavors focus on highly professional national security & policing education, research, training through its qualified faculty, committed human resources, motivated students, intellectually stimulating and professional disciplined environment, and world-wide network, sharing, and exchange.

“RASHTRIYA RAKSHA UNIVERSITY IS THE *JEWEL OF* OUR COUNTRY THAT IS HELPING US FURTHER STRENGTHEN THE VISION OF SASHAKT BHARAT”



ABOUT THE SCHOOL OF INTERNAL SECURITY & POLICE ADMINISTRATION

The School works towards SMART Policing at large and strives to provide stakeholders with a blend of theory and practical aspects of Policing. The School has a rich pool of experienced faculty members and experts of internal security including those who have served with distinction in the Central Police, State Police and Corporate Industry. The School of Internal Security and Police Administration offers various Academic and Research programme i.e. Ph.D. in Police Administration; M.A. in Police Administration & Strategic Management (MAPA&SM); Post Graduate Diploma in Police Science and Management (PGDIPSM); Post Graduate Diploma in Police Administration (PGDPA); Bachelor of Arts in Security Management (BASM) & Diploma in Police Science (DIPS). Field visits, internships with police and security organizations are a regular feature of the school. In addition, seminars, special lectures and regular interaction with practitioners from all domains of internal security are facilitated by the school.



ABOUT GUJARAT INSTITUTE OF DISASTER MANAGEMENT

The Gujarat Institute of Disaster Management (GIDM) is registered as an autonomous society under the Government of Gujarat. The Institute has been entrusted with the responsibility of human resource development, capacity building, training, research and documentation in the field of Disaster Risk Management. As per the GIDM's objectives and mandates, it focuses on enriching the capacities – in specific areas of prevention, mitigation, preparedness, relief, recovery, rehabilitation, reconstruction and sustainable development - of the officials and other functionaries of the state and district administration for response to emergencies and in the longer run, it will take up similar capacity building for other stakeholders in the country.

Positioned as a Center of Excellence (CoE), GIDM has committed itself to development and application of information, research and technology for the safety of life, property and socio-economic processes in Disaster Management. It is also mandated to partner with national and international organizations, universities, institutions, bodies and individuals specialized in Disaster Management.





ABOUT THE COURSE

In an increasingly interconnected and unpredictable world, the importance of disaster management and national security cannot be overstated. Disasters, whether natural or man-made, have the potential to disrupt societies and economies, posing significant threats to national security. Therefore, there is an urgent need for individuals and professionals to gain a comprehensive understanding of disaster management and its nexus with national security. This certificate course is your gateway for understanding, managing, and mitigating these threats. Join us on a journey to enhance your knowledge and skills in disaster risk management and its critical intersection with national security.



COURSE OBJECTIVES

- To provide participants with a comprehensive understanding of disaster risk management principles and practices.
- To interpret the interconnections between disaster risk management and national security.
- To equip participants with the skills and knowledge necessary to contribute effectively to disaster resilience and national security efforts.
- To foster a collaborative and interdisciplinary approach to addressing contemporary challenges in disaster risk management and national security.





KEY HIGHLIGHTS

- **Expert Faculty:** Learn from renowned experts in disaster management, national security, and related fields from UNDRR, World Bank, Industrial Experts, prestigious national and foreign universities.
- **Practical Training:** Engage in hands-on exercises, simulations, and field visits for practical exposure.
- **Interdisciplinary Approach:** Explore the multifaceted aspects of disaster risk management and national security.
- **Case Studies:** Learn about various methodologies adopted by experts for mitigation of disasters in India & Abroad.
- **Certification:** Earn a prestigious Certificate in Disaster Risk Management and National Security from an Institution of National Importance.





TARGET AUDIENCE

- Government officials and policymakers involved in disaster management and national security.
- First responders, including firefighters, police, and medical personnel.
- Professionals working in emergency management, risk assessment, and critical infrastructure protection.
- NGO and humanitarian workers.
- Students and researchers interested in disaster management and national security.

METHODOLOGY

The course will be conducted in a hybrid mode with Two (02) weeks of Contact Classes followed by Ten (10) Weeks of Online education and once again capped by , Two weeks (02) of Contact Classes including Examination. Methodology of teaching will be combination of Lectures, Discussions, Practical Exercises, Case Studies and Field Exposure during the contact period. Participants will have access to relevant literature and resources, both online and offline, to support their learning.





COURSE MODULES

Module Name and Content	Total Credit & Coordinator
<p>Module 1</p> <p>Introduction to Hazards & their Classification</p> <ul style="list-style-type: none">• Types of Disasters: Natural & Human Induced Hazards• Disaster Causes of Disaster, Impact of disaster• Community based Disaster Risk Management• Disaster Governance <p>Ecological Perspective on Disasters and Global Climate Crisis</p> <ul style="list-style-type: none">• Disaster & Ecology• Development and Disaster• Global Climate Change• Impact of Disaster and Environmental Impact Assessment (EIA) <p>Case Analysis</p> <p>A: Forest Fire, Flood (GLOF, Urban Flood)</p> <p>B: Biohazards (Pandemic), Chemical Hazards</p> <ul style="list-style-type: none">• Introduction of Specific hazards• Disaster Risk Management: NDMA DM Cycle• Risk mitigation prevention & capacity building• Early Warning System• Community Inclusive decision making <p>Field Visits to State Emergency Operational Centre (SEOC), Industrial Visit to analyse Disaster Risk Management Planning, Bhuj Earthquake Museum</p>	<p>Credit: 4</p> <p>Coordinator: Mr. Bateswar Das, RAPC,GIDM</p>

COURSE MODULES

Module Name and Content	Total Credit & Coordinator
<p>Module 2</p> <p>Understanding Disaster Risk & Governance</p> <ul style="list-style-type: none"> • Disaster & Disaster Risk • Institution of Disaster Risk Management • Evolution of Disasters and Risk Theories • Disaster Management at State/National/Village level <p>Global Disaster Management & Policies</p> <ul style="list-style-type: none"> • Sendai Framework for Disaster Risk Reduction • Sustainable Development Goals <p>Indian Policies and framework</p> <ul style="list-style-type: none"> • Prime Minister's Ten Point Agenda on DRR • Types of Governance & it's influence on Disaster Risk Management (DRM), Components of Disaster Risk Governance (DRG) • DRM Machinery in India: National, State and District Level • National Disaster Management Plan • Disaster Risk Management Plan/Emergency Management Plan <p>Human Behaviour in Disaster Management</p> <ul style="list-style-type: none"> • Human Resource & Risk Management • Indigenous Knowledge in Capacity Building • Social Anatomy of Disaster Governance • Disaster Finance & Risk Transfer <p>Research Approaches in Disaster Management</p> <ul style="list-style-type: none"> • Qualitative & Quantitative assessment of Hazard Risk • Climate Change & Sustainability • Public health emergency and Disaster management • Risk informed development and resilience building <p>Field Visit/Attachment: SDRF Unit, NDRF Unit, Attachment with District Collector office, SDMA</p>	<p>Credit: 4</p> <p>Coordinator: Dr. Chintan Pathak, APPM,GIDM</p>



COURSE MODULES

Module Name and Content	Total Credit & Coordinator
<p>Module 3</p> <p>ICT in Disaster Management</p> <p>Introduction to GIS & Application for Disaster Management</p> <ul style="list-style-type: none">• GIS & its Approaches• Understanding of GIS in Risk Assessment• Advance Technology in Disaster Management <p>Hazard Identification & Early Warning System</p> <ul style="list-style-type: none">• Introduction: Early Warning System, Community Early Warning System• Equipment and Resources for risk communication• Prediction and forecast of hazards• Risk Communication to Communities <p>National ICT Initiatives</p> <ul style="list-style-type: none">• Bhuvan & NaVIC• Common alerting Protocols: Sachet• VedaS <p>Practical</p> <p>Basics of GIS – Data Mapping of past cases of Disaster on GIS module and exercise on effective utilization of resources, Practical Session of Drone Operations</p>	<p>Credit: 4</p> <p>Coordinator: Dr. Sandeep Pandey, ASPM,GIDM</p>



COURSE MODULES

Module Name and Content	Total Credit & Coordinator
<p style="text-align: center;">Module 4</p> <p style="text-align: center;">Impacts of Disasters on National Security</p> <p>Introduction:</p> <ul style="list-style-type: none"> National Security, Armed Forces, Central & State mechanism <p>Direct and Indirect Impact of Disaster</p> <ul style="list-style-type: none"> National Security, Economic and Humanitarian aspects of Disaster on security mechanism Cyber Security Supply Chain Management & Continuity <p>National Security</p> <ul style="list-style-type: none"> Impacts of disasters on critical infrastructure Impacts of disasters on critical infrastructure in Border Areas Terrorism Induced Hazard and its impacts. Potential Hazard due to conflicts and regional ramifications Human induced Natural hazards <p>Global Trends in Emergency and Risk Management</p> <ul style="list-style-type: none"> Safety and Security Audit Mechanism of Critical Infrastructure Latest Technological Adoption in DRR <p>Emerging issues in NS & Disaster Risk Reduction</p> <ul style="list-style-type: none"> Conflict Management Climate Change and Disaster Management in Contemporary Times Infectious diseases, Health emergencies, Chemical Biological Radiological Nuclear (CBRN) Disaster and its Impact of National Security 	<p style="text-align: center;">Credit: 4</p> <p style="text-align: center;">Coordinator: Mr. Sagar Ghodasara, TCRA,SISPA, RRU</p>
<p style="text-align: center;">Module 5</p> <p style="text-align: center;">Project Work</p> <p>Student will have to prepare a report based on the questions/assignment given by faculty during the period of the course. This project work will be used for final evaluation during the certificate course</p>	<p style="text-align: center;">Credit: 4</p> <p style="text-align: center;">Coordinator: Ms. Latika Grover, TCRO,SISPA, RRU</p>



COURSE SCHEDULE

Contact Period First Phase (Lecture/Practical/Field Visit)	22 January 2024 to 3 February 2024
Online Classes	5 February 2024 to 13 April 2024
Contact Period Second Phase (Lecture/Practical/Field Visit/Examination)	15 April 2024 to 27 April 2024

CERTIFICATION AND BENEFITS

Upon successful completion of the course examination and the capstone project, student will receive joint certificate in Disaster Risk Reduction and National Security.

This certificate will:

- Enhance your career prospects.
- Equip you with practical skills and knowledge.
- Showcase your commitment to disaster resilience and national security.
- Provide networking opportunities with experts and professionals.

ELIGIBILITY

Open to individuals with an interest in disaster risk management and national security.



COURSE FEES

Course Fees For Indian Nationals	Rs. 12,000/-
Course Fees for International Participants	Rs. 25,000/-
RRU Students/Alumni	Rs. 10,000/-
Please note an additional cost of approximately Rs. 30,000 will be incurred for food and accommodation, over and above the course fees.	

REGISTRATION & PAYMENT

For registration and payment please click on the link:

<https://forms.gle/zQeiRX9rCeka1Xv5A>

or

Scan the QR Code



FOR INQUIRIES:

Course Coordinator

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