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Organization Mentor -
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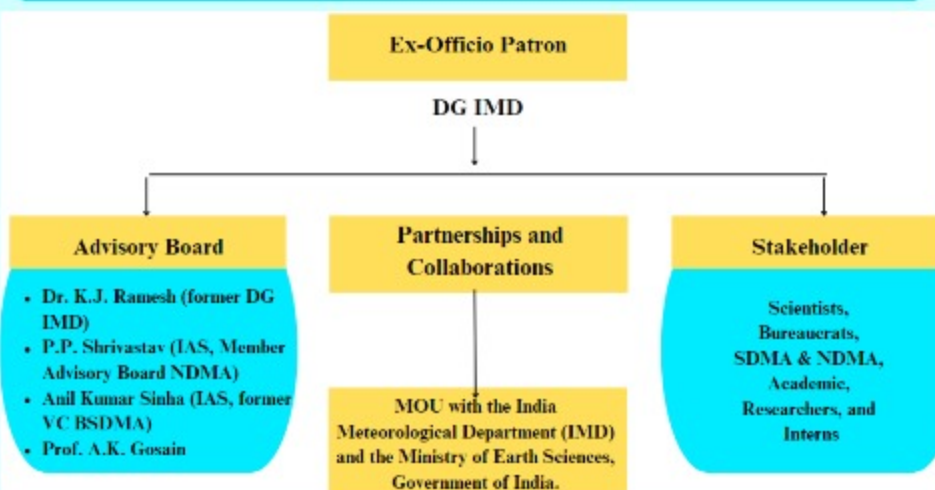
1. Brief history and description about organization

CROPC is a non-profit organization with a group of scientists, bureaucrats, disaster management professionals, researchers, and students who aim to develop technology-driven innovative solutions for disasters and development. CROPC is mandated to function as a center for promoting climate-resilient observing systems and a public notification system for climate change-related hazards. It also serves as a link between the India Meteorological Department (IMD) and other stakeholders for the Lightning Resilient India Campaign.

2. Organization vision and mission

CROPC.org's vision is to create a future where agriculture is resilient to the impacts of climate change, enabling farmers to thrive and communities to have access to nutritious, locally-grown food. The organization's mission is to empower farmers to adopt climate-smart agricultural techniques, support local food systems, and advocate for policies that protect the environment and promote rural livelihoods. This includes helping farmers implement lightning protection systems and other measures to safeguard their crops and livestock from the increasing threat of severe thunderstorms.

3. Organization structure

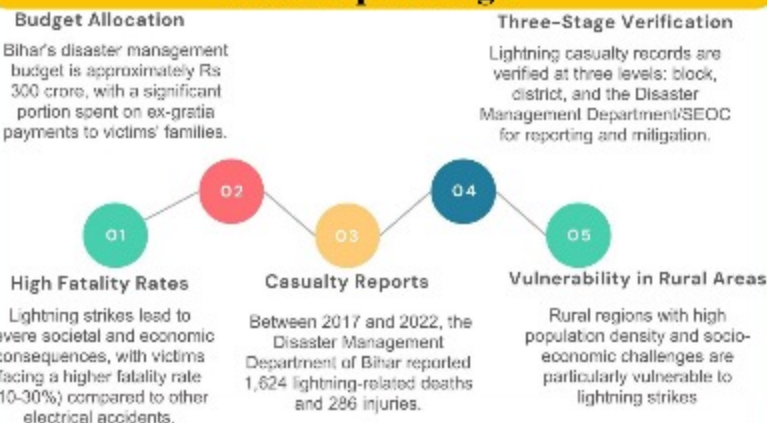


4. Difference between practical exposure at SIP organisation and theoretical understanding

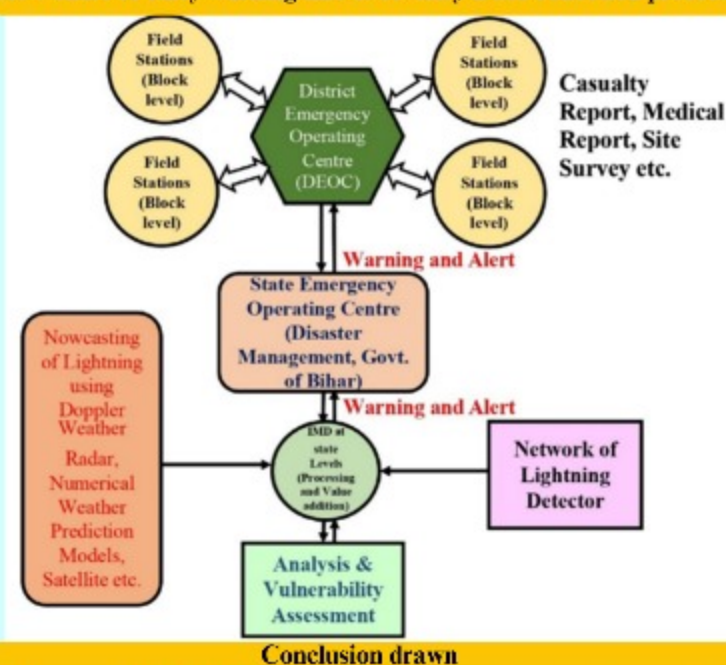
- Alignment of Classroom Learning and SIP Focus:** The classroom learning at IIHMR, particularly in courses on rural/urban governance, public policy, and sustainable development, aligned well with the SIP organization's focus on climate change impact and mitigation strategies.
- Smooth Navigation of SIP:** The theoretical knowledge gained from IIHMR's curriculum helped the student navigate their SIP role as a research intern at CROPC more smoothly.
- Minimal Deviation Between Theory and Practice:** The practical work experience gained during the SIP, indicating a strong connection between the classroom and real-world application.

Objective - Study of the Lightning pattern in Bihar along with understanding Bihar's Disaster Management Department

Internship Findings



Flow chart of early warning info & severity Data collection procedure



- Increased Risk in Monsoon:** Heightened risk of lightning strikes in June-July as many work in open fields without protection.
- Natural Lightning Rods:** Vegetation acts as lightning rods, increasing during monsoon.
- Higher Death Toll:** Monsoon vegetation contributes to more lightning deaths vs pre-monsoon.
- Vulnerable Agricultural Workers:** Farmers exposed in open fields during thunderstorms.
- Need for Awareness and Protection:** Urgent need for awareness and protective measures for outdoor workers, especially in monsoon.

5. SWOT Analysis



6. Challenges faced during internship

- Adapting to the organizational culture and practices at CROPC
- Infrastructure Limitations & administrative hurdles
- Slow paced work style

7. Learnings during internship

- Multidisciplinary collaboration on climate/disaster projects
- Expertise gained in areas like climate change, early warning, resilience
- Acquired practical knowledge on early warning, climate risk, disaster management
- Developed local climate change and vulnerability understanding

8. Usefulness of internship

- Gained exposure to real-world work and learned professional work ethics
- Improved and developed relevant skill sets
- Built a professional network with experienced industry experts

9. Suggestions

- Streamline Administrative Processes**
 - Implement clear policies and procedures for administrative tasks
 - Automate repetitive administrative work using software tools
- Enhance Project Management**
 - Assign dedicated project managers for complex initiatives
 - Conduct regular project reviews to identify and address issues
- Invest in Staff Development**
 - Provide training opportunities to build staff skills
 - Offer competitive compensation to attract and retain top talent