Topics/Themes for Project Work on Disaster Management

CLASS X

A. PREPARATION AND SUBMISSION OF PROJECT REPORT

Following essentials are required to be fulfilled for its preparation and submission:

1. The total length of the project report will not be more than 15 – 20 written pages of foolscap size (A-4 size).

2. The project report will be handwritten and credit will be awarded to original drawings, illustrations and creative use of materials.

3. The project report will be presented in a neatly bound simple folder.

The project report will be developed and presented in this order

• Cover page showing project title, student information, school and year

• List of contents with page numbers.

• Acknowledgements (acknowledging the institution, offices and libraries visited and persons who have helped).

• Project Overview: Purpose, Aim, Methodology and experiences while doing the project.

• Chapters with relevant headings.

• Summary and conclusions based on findings.

• Planning and activities to be done during the project, if any giving a calendar of activities.

• Bibliography: should have the Title, pages referred, author, publisher, year of publication and if a website the name of the website with the specific website link which has been used.

• All the photographs and sketches should be labelled and acknowledged.

• Teacher’s evaluation report
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Do any one of the following:-

Project 1_ Role of Govt./Non-Government functionaries in your locality in Disaster Management.

Interview any two of the Govt. /Non-Government functionaries in your locality on their role in Disaster Management.

- Senior District Magistrate
- Additional District Magistrate
- Sarpanch/MP/MLA
- Head of any NGO working in your locality – dealing in Disaster Management
- Police inspector, Superintendent of Police
- Civil Defence Warden/elected representatives
- Home guard personnel
- NCC Commandant in the school
- Deputy Commissioner of Municipality
- School Principal

Carry out a survey by enquiring from at least 20 persons from different walks of life (such as shopkeepers, housewives, senior citizens, college students, etc.) in your locality on the hazards prevalent, and preventative measures they have taken or would like to take to reduce the impact.

Prepare a Survey report highlighting the areas where awareness is needed and the local resources available in the locality to create awareness.

Select any two of the functionaries based on their availability in that city/town. This topic can be taken up individually by students or by a group consisting of two students. In case of group work where two students are involved, work should be divided equally so that distribution of marks is easier.

Project 2: Generating Awareness on Disaster Management

Design a 10 minute skit on Disaster Management. Design posters on do’s and don’ts of various hazards prevalent in that area. Visit a slum community and enact the skit by using the posters. The Skit and the posters can also be used to make the junior students aware.

Better awareness and preparedness amongst the community members have saved a lot of life and property. As responsible future citizens of the country, students can play a major role in awaking the community to be better prepared for natural hazards (flood, cyclone, landslide, tsunami etc) and human induced hazards (fire, rail road and air accidents ). Local language should be used so that the community is able to have a better understanding.
**PROJECT 3 - Preparation of Models of Disaster Resilient Structures**

Make layouts of models based on structural improvement in buildings in a rural/urban community in coastal areas prone to floods/cyclones or in areas prone to earthquakes/landslides. Show the special features of the buildings and indicate the early warning system that could be best used in that community.

To carry out the project, there is a need to have a good understanding about the subject. The class X textbook on Disaster Management will help the students to have a fair understanding about the topic. However, seek support from qualified engineers, and architects who have knowledge on safe construction practices from either the Government or private sector and also from academic institutions.

**PROJECT 4 - Institutional Case Study on Disaster Response**

Visit a local NGO/agency such as the United Nations, Red Cross/ Voluntary Youth Organisations like Nehru Yuva Kendra Sangathan (NYKS), National Cadet Corp (NCC), Bharat Scouts and Guides etc; and prepare a case study on how the agencies played a major role in Disaster Response.

Select the organisation/agency that you would like to be associated with. It can be mentioned here that each district in India has a Red Cross wing headed by the District Magistrate/Collector/Dy. Commissioner. The students before analysing the role played by various agencies can give a brief background of the organisation/agency on its mandate, objectives and goals and role during disasters.

**PROJECT 5 - Communication facilities for Disaster Management**

Choose any one method of communication from various means of communication like radio/satellite/television/ Ham radio which are used by Government departments such as the Indian Meteorological Department to disseminate information. Find out how the information is disseminated by them at various levels during disasters. Prepare a report.

The students can visit the government departments such as the All India Radio, Doordarshan etc. Principals are expected to issue a letter to the concerned Government Department so as to inform the department that the information collected will be solely for project purpose. Case studies can also be collected to make the project more interesting.

**PROJECT 6: Preparation of Disaster Contingency Plan**

Prepare a Contingency Plan either for your school or home/community. The Plan should be based on an actual survey of your area/locality or school. The Plan prepared should consist of the following maps, inventory of resources available and a seasonality calendar highlighting the seasons prone to various hazards prevalent in that locality/school.

- A social map
- A Resource map
- A Vulnerability map on the outline map of your locality.

It should answer the questions given under the sub-heading ‘community contingency plan’ in the lesson, called ‘Planning Ahead’ of Class X Disaster Management textbook.