

**Webinar Importance of O.S.H. in Disaster Management  
Including Pandemic: Its Inclusion in School / College  
Curriculum 23<sup>rd</sup> June 2021  
Time:- 11.30AM Hrs to 13.30PM (IST)**

Curriculum



Vision Zero journey of IGFP –  
Practical implementation for construction sector in India  
Presentation By:- Mr. Bimal Kanti Sahu, Director IGFP

VISION ZERO

UNIVERSALIZATION OF SOCIAL SECURITY  
IN THE CONTEXT OF SOCIAL SECURITY CODE  
2020

A presentation by  
Shri B.K. Sahu,  
Former Insurance commissioner,  
ESI Corporation & Communication Advisor,  
Insurance regulatory Authority (IRDAI)  
Now @ Indo-German Focal Point for India

DGVU Deutsche Gesetzliche Unfallversicherung Spitzenverband

issa INTERNATIONAL SOCIAL SECURITY ASSOCIATION  
International Section for Electricity  
International Section for Construction

Indian Safety  
Song & Video  
Contest 2019

Indo-German Focal Point for India

With strong support of  
KALINGA INSTITUTE OF  
INDUSTRIAL TECHNOLOGY (KIIT)  
Deemed to be University  
(EXTENDING VIS & SH TO ACADEMICS)  
Bhubaneswar, Odisha, India

*Vision zero Journey  
of IGFP - 2022*

VISION ZERO

"No One is Safe Until  
Everyone is Safe"

Visionzero for A Safeworkplace with a  
Secured Workforce

Prevention management  
7 Golden Rules for Vision Zero

1. Take Leadership - Demonstrate Commitment !
2. Identify Hazards - Control Risks !
3. Define Targets - Develop Programs !
4. Ensure Safe & Healthy System - Be Well Organized !
5. Use Safe and Healthy Machines and Equipment !
6. Improve Qualification - Develop Competence !
7. Invest In People - Motivate by Participation !

Source : Vision zero guide of ISSA Section  
for Electricity

5 Years of Indo-German  
Cooperation on OSH & SH

**Prepared by:**  
**Indo Global Focal Point**

Email [focalpointindia.azav@gmail.com](mailto:focalpointindia.azav@gmail.com)

Website- [www.igfp.in](http://www.igfp.in)

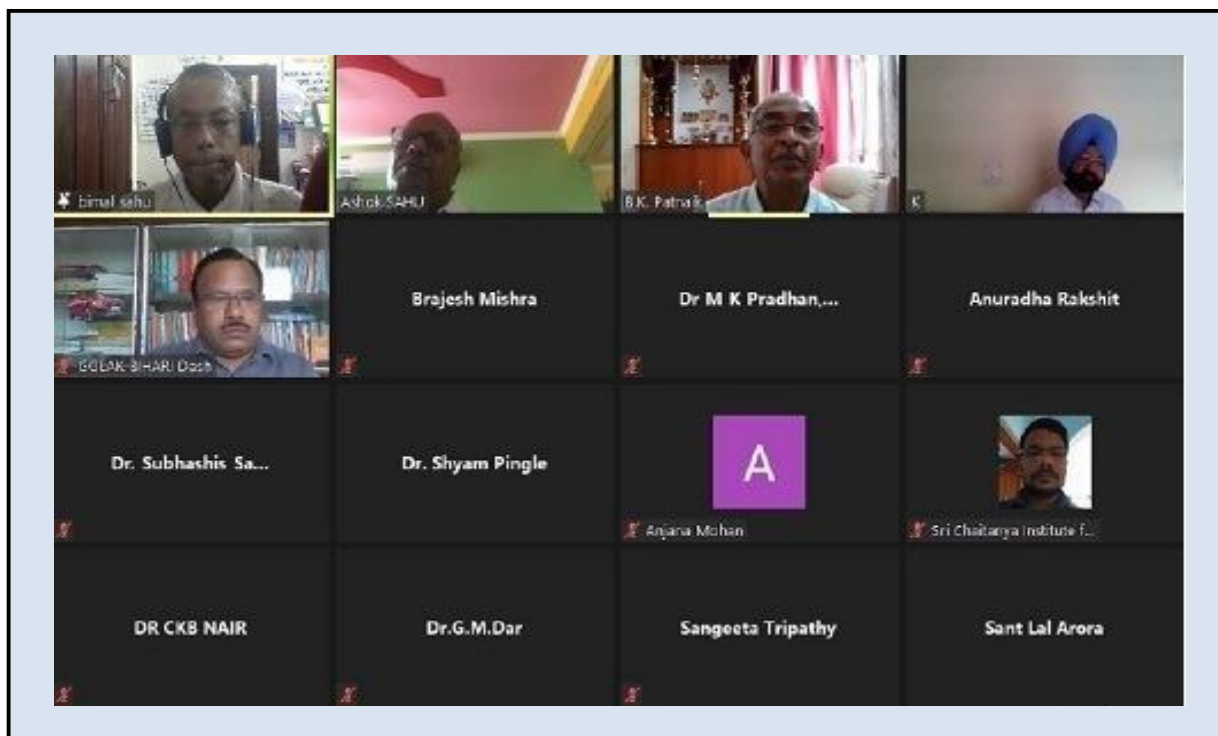
**Concept Note on Importance of O.S.H. in Disaster  
Management Including Pandemics: Its inclusion in  
School/College Curriculum**

(These materials may be printed or photocopied for use in evaluating the proposed project but are not to be shared without the consent of either parties.)

**Workshop Through Webinar on “Importance of Occupational Safety & Health ( OSH ) in Disaster & Pandemic Management” on 23rd June 2021**



**Chaired by Mr Bijay Kumar Patnaik, IAS  
Former CS government of Odisha**



## **1. Disasters - a critical threat**

'Disasters', are defined as "a serious disruption of the functioning of a community or a society causing widespread human, material, economic or environmental losses which exceed the ability of the affected community or society to cope using its own resources". Disasters have challenged the government and other stakeholders in providing access to education. This includes safety from large-scale 'natural' hazards of geological/climatic origin, human-made risks, pandemics, violence as well as more frequent and smaller-scale fires, transportation and other related emergencies, and environmental threats that can adversely affect the lives of people.

### **The Indian Scenario**

India is a country with diverse hypsographic and climatological conditions. To visualize our national vulnerability, it is pertinent to mention that 70% of the cultivated land is prone to droughts, 60% of the land is prone to earthquakes, 12% to floods, 8% to Cyclones, 85% of the land area is vulnerable to a number of natural hazard and 22 states are categorized as multi-hazardous states. 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.

### **National Policy Instruments**

The Hyogo Framework for Action (HFA) 2005-2015; building the Resilience of Nations and Communities to Disasters, adopted at the World Conference on Disaster Reduction underlines the importance of knowledge and education as one of its five main priorities. It draws attention to school children and youth with the aim of making the community at large more aware of the threat of hazards and become better prepared.

National Policy on Children (2013) has identified survival, health, nutrition, education, development, protection (including from emergencies/disasters) and participation as the undeniable rights of every child, and has also declared these as key priority areas. National Disaster Management Act, 2005 envisages promotion of safety awareness among stakeholders including teachers and students. National Policy on Disaster Management (NPDM), 2009 highlights upon disaster management training in all educational institutions including schools. Section 10.6.1 of NPDM discusses the introduction of subject of disaster management in the curriculum through the Central and State Boards of Secondary Education. National Policy on Education (NPE) 1968, Revised in 1992, the National Policy on Education calls for a "child centred approach" in primary education, but does not contain a specific reference to school safety or disaster risk issues of children. The National School Safety Policy Guidelines emphasize on the need for active mainstreaming of disaster risk reduction in all the school education initiatives in the country. This would require a collaborative approach between the state education departments and the state disaster management machinery. Collaboration would be necessary especially for capacity development activities such as sensitization of officials, public awareness on disasters, training of students and teachers; pre-positioning equipments for emergency response, creation of educational material on disasters and, monitoring of risk.

The Government of Orissa in its resolution dated 4 March 2005 directed the state Education Authorities to "Make Disaster Management a part of the educational system and curricula."

### **Limited understanding of safety concept:**

It is evident that the existing education machinery in the country is keen to promote safe learning environment for children and teachers but actual implementation of programmes on ground points to limited understanding of the concept of safety. At best, new school designs incorporate earthquake safety features in many areas; however floods, cyclones, landslides have been given little attention in design and costing of schools. In addition non-structural elements are often not understood as threats to safety. At the level of teachers and students, safety issues are discussed and pursued as one off activities. School timetable and curriculum need suitable modifications to make safety understanding a routine activity.

### **Creative approach**

Education prepares vulnerable communities to learn to cope with disasters. Introducing disaster management in the curriculum should be prioritised. Children must learn about disaster management, but in a manner that does not overburden them. A creative approach could help familiarise them with their surroundings and provide insights into disaster risk reduction and preparedness measures, emergency relief and long-term recovery. Introducing this in the curriculum will also inculcate compassion, accountability, and empathy towards the affected and vulnerable communities. 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 hazards.

### **Possible course curriculum**

- Disaster and its type;
- Management of different phases of disaster;
- Disaster Management Plan;
- Hazards, Risks & Vulnerability;
- Disaster preparedness measures;
- Mock Drills for different types of disasters;
- Psycho Social Support and counseling;
- Dos & Don'ts on earthquake, fire, floods, cyclone etc;
- Road, Electrical & Fire safety;
- Accident prevention and safety measures
- Safety & Disaster Management related laws;
- Occupational health & First-Aid skills.

### **Conclusion**

The high vulnerability of our country necessitates more attention to the Disaster Management. Integrating this in the curricula of schools & colleges will make available a ready force of educated youth, who can address this problem with their knowledge, self confidence, and survival skills. Though a top down execution of Disaster Management by the Government will take time, a proactive down up approach by the institutions will enable this nation to mitigate, if not completely, do away damage, which will India to be in the forefront of Disaster Management.

**List of Chairperson & Speakers:-**

1. Chairman for the Webinar- Sri. Bijay Kumar Pattanaik, IAS, Former Chief Secretary, Odisha Govt.
2. Prof . Shyam Pingle, Indian Institute of Public Health Gandhinagar - Speaker
3. Dr. Ashok Sahu IES Former DG NHRC-Speaker.
4. Prof. B B Misra Head Dept of Management Utkal University-Speaker.
5. Principal/ His Representative of KV / DPS School Bhubaneswar –Speaker.
6. CEO Center of Excellence KIIT University-Speaker.
7. Union Secretary School Education or Her Representative( As Requested ) / Prof. Subhasish Sahu Kalyani University – Speaker.
8. Dr. Malay Pradhan GM Odisha Disaster Management-Speaker.

**Program Details**

**Introductory Speech by Mr B K Sahu Director IGFP, Address by the Chairperson, Speakers Presentations- Representative of Union Secretary School Education, Dr Pingle, Prof Susmita, Dr Sahu, Prof Misra, Coordinator from DPS School/ KV School Bhubaneswar, Prof. Subhasish Sahu, Dr Pradhan  
Q & A Session & Summing up by Center of Excellence KIIT followed by  
Thanksgiving by IGFP  
10 Minutes for Each Session/ Speaker**

**Details of Link:- Join Zoom Meeting**

<https://zoom.us/j/92503436193?pwd=WXhxbTJoO1JxOIRXRnNKODMvb29rdz09>

**Meeting ID: 925 0343 6193**

**Passcode: 181046**

Technical Assistance from Mr Dibakar Sahoo, CEO KDC Technologies Pvt. Ltd. ( Mobile 9338810100) & IGFP Mrs Sangeeta Tripathy (Mobile:-7657021269)

F.No.11-54/2020-Sch.4  
Government of India  
Ministry of Education  
(Department of School Education & Literacy)

\*\*\*\*\*

New Delhi dated 26<sup>th</sup> November, 2020

To

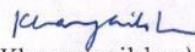
Mr. B.K.Sahu, former Insurance Commissioner, ESIC,  
Ministry of Labour, Communication Adviser to IRDA,  
Now Director@Indo-German Focal Point-Prevention & Social Security  
for India, DGUV  
focalpointindia.dguv@gmail.com

**Subject:** Introduction of a chapter on Occupational Safety & Health in  
School Curriculum-regarding.

Sir,

I am directed to refer to your email dated 10.11.2020 on the subject cited  
above and to inform you that your mail has been forwarded to NCERT for examining  
and for taking necessary action

Yours faithfully,

  
(Khamngaihlun)

Under Secretary to the Govt. of India  
Tel: 23381434

### Request for Courtesy Call cum Presentation on OSH in School Syllabus

**bimal sahu** <focalpointindia.dguv@gmail.com>

**Tue, May 10, 2022 at 12:15 PM**

To: minister.sm@gov.in

Cc: secy.sel@nic.in, lschangs@nic.in, soz-1@newd.diplo.de, secysme@gmail.com, Amar Satpathy <apsatpathygcw@gmail.com>, "B.N Som" <bn\_som@yahoo.com>, Partha Mitra <ppmitra56@gmail.com>, Ashok Sahu <sahua@rediffmail.com>, "Dr.Jeet Singh Mann" <jsmann@nludelhi.ac.in>, labjlc3.delhi@nic.in, dharrajender@yahoo.co.in, mahesh gautam <gbse2011@gmail.com>, PDK-INT-KOOP\_BGBAU <pdk-int-koop@bgbau.de>, Timm Sven <sven.timm@dguv.de>, "Noetel, Karl-Heinz" <karl-heinz.noetel@bgbau.de>, "Dr. Jens" <juehling.jens@bgetem.de>, R Elangovan <rke@dglasli.nic.in>

**Respected Dharmendra Pradhanji, Hon Union Minister of Education Government of India,**

**At the outset Indo German Focal Point ( IGFP) would like to congratulate for Implementation of New Education Policy 2021 under your Leadership for Qualitative Quantitative improvement of School College Curriculum in the country.**

**While acknowledging prompt response of Hon Minister in accepting in principle our recommendations for introduction of Safety Health in School/ College curriculum in the wake of Covid19 Pandemic. I would like to call on your kindness for A courtesy Call cum**

**Professional Discussion involving our Recommendations for “ Introduction of Pandemic Management ( PM), Disaster Management ( DM) & Safety in School Elementary Curriculum involving Kendriya Vidyalaya & Other Centrally controlled Schools “. I shall be making A Small Presentation Articulating Suggestions for School Syllabus Kindly allow me to meet you on 19th/ 20th May 2022 @ your Delhi office for which IGFP will be obliged.**

**I am reproducing herewith Mail received from your kind Office acknowledging IGFP request for school syllabus along with Slide on DM PM Safety with IGFP Brochure with Activities for your kind perusal and finalizing date for Appointment as requested above.**

With Cheers & Regards

Mr B.K Sahu

Former Insurance Commissioner, ESIC, Ministry of Labour,  
Communication Adviser To Insurance Regulatory and Development Authority, IRDA,  
Now Director @ Indo- German Focal Point- Prevention & Social Security For India ,  
DGUV

Land No- 0674-2386668,

Mobile- 9040590798/ 9818098844

Our Website:-[www.indogermanfocalpoint.com](http://www.indogermanfocalpoint.com)

**“5 Years of Indo German Cooperation on OSH, SS”**

**Mail from Secy.(SE&L) enclosing Union Education Minister mail dated 28th October 2022**

Anita Karwal <[secy.sel@nic.in](mailto:secy.sel@nic.in)>

Thu, Oct 28, 2021 at 3:08 PM

To: [focalpointindia.dguy@gmail.com](mailto:focalpointindia.dguy@gmail.com)

Your email is being forwarded to NCERT for necessary response.

sd/-

Secy.(SE&L)

28.10.2021

From: "Dharmendra Pradhan" <[minister.sm@gov.in](mailto:minister.sm@gov.in)>

To: "Ms Anita Karwal" <[secy.sel@nic.in](mailto:secy.sel@nic.in)>, "L Sweety Changsan"

<[lschangsan@nic.in](mailto:lschangsan@nic.in)>

Sent: Thursday, October 28, 2021 12:34:16 PM

Subject: Fwd: Presentation on "Vision Zero-The Implementation of Health and Safety at School level" @ World Congress Dusseldorf 2021 by IGFP, India

Sir/Madam,

Please find herewith the mail received by MoE and MSDE office for immediate necessary action under the rules at your end. As directed, action on the request made, may kindly be informed to this office.

With regards,

Office of Minister of Education; and  
Skill Development and Entrepreneurship

Dear Mr Satyabrata Sahu, IAS  
Principal Secretary, Department of School & Mass Education  
Govt of Odisha

**Subject:- Suggestions on School Syllabus Involving Disaster Management (DM), Pandemic Management (PM) & Safety- Draft Course Curriculum with Level of Class / Classes to Secretary, School Education / Higher Education Govt of Odisha (Coordinated by IGFP)**

Indo German Focal Point (IGFP), located at Bhubaneswar, Supported by Deutsche Gesetzliche Unfallversicherung (DGUV) which is a dedicated part of the statutory German Social Insurance System, is constantly engaged in promoting awareness regarding Occupational Safety and Health (OSH) and Social Security (SS) among different segments of our society, one of which is the student community. Students both in schools and colleges/universities are the future of the nation and their active participation will determine the success of an important humane theme like OSH and SS. It amounts to implementing the principle of 'catch them young' in its true spirit.

We were very happy to learn that Government of Odisha is seriously trying to promote this cause and Hon'ble Chief Minister has made an announcement to include Disaster and Pandemic Management as a subject in the academic curriculum. By way of providing an input to the Government, IGFP organized a Video Conference under the chairmanship of Shri Bijay Kumar Patnaik, former Chief Secretary, Government of Odisha, where after due deliberation it was decided to form a Sub-Committee with Prof. Bidhu Bhusan Mishra from Utkal University, Mr. Golak Bihar Dash KV School Bhubaneswar, Mrs Anuradha Rakshit Principal DPS Kalinga & Susri. Sangita Panda Principal Unit-1 Boys High School as Members for preparing a draft syllabus. On the basis of its recommendation, a draft syllabus for being included in the school curriculum from class III to XII has been prepared and attached for your kind consideration on DM, PM & Safety.

Keeping in view the New Education Policy (NEP 2021) where in Govt of India is placing importance on "Toys/Games to inculcate interest among children to learn basic fundamental knowledge on DM, PM & Safety" –IGFP is privileged to enclose herewith (1) "Life Long Learning Project (LLL)" devised by BG BAU of German Social Accident Insurance (DGUV) with SEWA of India. & (2) Safety & Health are Human Rights containing pictures/images on safety prevention for children / parents (Workers) published by ISSA (International Social Security Association) with printing in India by Indo German Focal Point (IGFP).

I may add that a note on the subject providing salient features of the curriculum to be prescribed for college students prepared by Prof. Bidhu Bhusan Mishra from Utkal University is also attached for your perusal which you may like to forward to Secretary, Higher Education for consideration.

IGFP sincerely hopes that our efforts will bear fruit and ultimately help mankind to fight contingencies. IGFP will deem it a privilege to be associated in this endeavour in future in any way it is considered appropriate.

**Thanking you.**

**Mr B.K Sahu**

**Former Insurance Commissioner, ESIC, Ministry of Labour**

**Communication Adviser To Insurance Regulatory and Development Authority, IRDA,**

**Now Director @ Indo- German Focal Point- Prevention & Social Security For India, DGUV**

**Land No- 0674-2386668,**

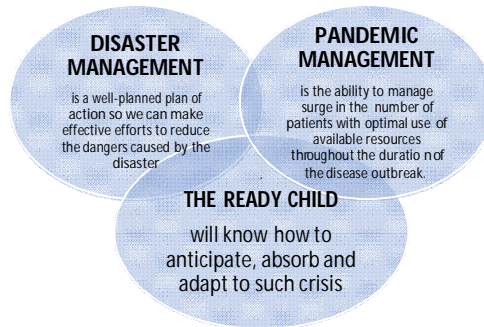
**Mobile- 9040590798/ 9818098844**

**Our Website:- [www.indogermanfocalpoint.com](http://www.indogermanfocalpoint.com)**

**Enclosures:-**

- 1. Draft Course Curriculum for School Education in Odisha on DM, PM & Safety with Comparative Chart.(Annexure –I)**
- 2. Write up of Prof.B B Mishra Utkal University Containing Course Curriculum for College Education on DM & PM .(Annexure –II)**
- 3. Life Long Learning (LLL) Project for Children. (Annexure –III)**
- 4. Safety & Health are Human Rights. (Annexure –IV)**
- 5. 7 Golden Rules for Zero Accident & Fatality @ Work Place of ILO/ISSA. (Annexure –V)**

# SYLLABUS FOR DISASTER MANAGEMENT and PANDEMIC MANAGEMENT



CLAS S	SUBJE CT	DISASTER MANAGEMENT	PANDEMIC MANAGEMENT
3	EVS	Injuries at home and safety measures	Sensitization : Precautions during Pandemic
4		Types of Disasters	Causes, mode of transmission and safety measures
5		Introduction to Natural Disasters	Epidemic, Endemic and Pandemic and precautions to curb
6	SOCIAL STUDIES & GENERAL SCIENCE	Man made Disasters	Casual agents of some common diseases, Transmission and Precautions
7		Project Work on Disasters to encourage Research work	Awareness Program on Pandemic
8		Mitigation steps taken for Disasters	Role of Human Beings to curb spread of diseases at large
9		Detailed study of types, causes of Disasters	Global issue and awareness about steps being taken worldwide
10		Difference between Disasters & Hazards. Steps to curb Man made Disasters	Project Work on information from Print Media

CLASS 3	CLASS 4
<p style="text-align: center;"><b>DISASTER MANAGEMENT</b></p> <p style="text-align: center;"><b>Injuries at home and safety measures</b></p>	<p style="text-align: center;"><b>DISASTER MANAGEMENT</b></p> <p style="text-align: center;"><b>Types of Disasters</b></p>
<p style="text-align: center;"><b>PANDEMIC MANAGEMENT</b></p> <p style="text-align: center;"><b>Precautions to be followed during Pandemic</b></p>	<p style="text-align: center;"><b>PANDEMIC MANAGEMENT</b></p> <p style="text-align: center;"><b>Mode of Transmission</b></p> <p style="text-align: center;"><b>Chain of Infection</b></p> <p style="text-align: center;"><b>Safety Measures</b></p>

## CLASS 5

### DISASTER MANAGEMENT

**NATURAL DISASTERS**

**Types Of Natural Disasters**

## CLASS 6

### DISASTER MANAGEMENT

#### MAN MADE DISASTERS

**Man Made Disasters**

### PANDEMIC MANAGEMENT

**Endemic Epidemic And Pandemic**

### PANDEMIC MANAGEMENT

**Causes of Diseases रोग के कारण**

**Prevention of Diseases रोग से बचाव**

## CLASS 7

### DISASTER MANAGEMENT

**Project Work On Disaster**

**Research a Natural Disaster**

Each student will be assigned a natural disaster to research. Students will work in groups to prepare a report on the disaster. The report should include:

- Name of the Disaster**
- Where it occurred**
- Causes**
- Effects**
- Prevention**
- Relief measures**
- Recovery**

## CLASS 8

### DISASTER MANAGEMENT

**Mitigation Steps for Disasters**

#### Disaster Mitigation Measures

Active measures	Passive measures
<ul style="list-style-type: none"> <li>Promotion of desired actions by -                             <ul style="list-style-type: none"> <li>Planning control.</li> <li>Training &amp; education.</li> <li>Economic assistance.</li> <li>Subsidies.</li> <li>Facilities-refugee points, storage.</li> <li>Public information.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Prevent undesired actions by -                             <ul style="list-style-type: none"> <li>Requirement to conform with design codes.</li> <li>Checking compliance of controls on site.</li> <li>Court proceedings</li> <li>Fines, Closure orders</li> <li>Control land use.</li> <li>Denial of utilities in areas development undesired.</li> </ul> </li> </ul>

### PANDEMIC MANAGEMENT

**Awareness Program on Pandemic**

### PANDEMIC MANAGEMENT

**Role of Human Beings to curb the Disease**

## CLASS 9

### DISASTER MANAGEMENT

#### Causes of Disasters

Causes

- Global warming
- Natural activities in the earth's crust
- Tectonic movement
- Moon activity
- Mining
- Deforestation
- Soil erosion
- Seismic activity
- Air pressure
- Ocean currents
- Pollution

## CLASS 10

### DISASTER MANAGEMENT

#### Difference Between Hazard And Disaster

HAZARD	VERSUS	DISASTER
HAZARD		DISASTER
A dangerous situation that poses a threat to human life		An event that completely causes damage to human life and property
Has less critical consequences		Has more critical consequences and more catastrophic
Take its full shape after a series of events, which might have led it to happen		Often happens in a short time, causing more severe effects

Visit [www.PEDIAA.com](http://www.PEDIAA.com)

## PANDEMIC MANAGEMENT

#### Steps taken worldwide to fight the Pandemic

**Steps taken by countries to fight COVID-19 pandemic**

The world faces a big challenge as the novel coronavirus escalated into a global pandemic. Countries have taken measures in many areas, including healthcare services, work arrangements, the economy and educational institutions.

COUNTRIES SCORED HIGH ON HANDLING:

- Yes
- Partially
- No data

## PANDEMIC MANAGEMENT

#### Project Work on information from Print Media

Thank You

## **SYLLABUS DESIGN FOR DM AND PM AT SCHOOL LEVEL**

**Class 3** PM Sensitization towards precautions to be followed during pandemic

DM Injuries at home and safety measures.

**Class 4** PM Causes, mode of transmission and safety measures.

DM Types of disasters

**Class 5** PM Preliminary idea about Epidemic, endemic and Pandemic and precautions to be taken to curb the spread of disease.

DM Introduction to Natural Disasters

**Class 6** PM Causal agents of some common diseases, modes of transmission and precautions.

DM Man made disasters

**Class 7** PM Awareness programs on Pandemic

DM Project work on Disasters i.e. on previous knowledge to encourage research work.

**Class 8** PM Role of human beings to curb spread of disease at large.

DM Mitigation steps taken for disasters. Collaborative learning through PPT presentation.

**Class 9** PM Global issue and awareness about the steps being taken worldwide.

DM Detailed study about types and causes of disasters and early warning signs.

**Class 10** PM Project work based on information from print media.

**DM Difference between disasters and hazards.**

Steps to be taken to curb man made disasters.

**DM and PM to be included in EVS upto Class5**

DM and PM to be included in Social Studies and General Science respectively.

**Anuradha Rakshit**

**Principal DPSK**

## ସିଲାରସ୍ (ପାଠ୍ୟକ୍ରମ)

### ତୃତୀୟ ଶ୍ରେଣୀ

- ମହାମାରୀ - କେତେକ ସାଧାରଣ ସଂକ୍ରମିତ ରୋଗର ନାମ ଓ ସେଗୁଡ଼ିକର ଉତ୍ପତ୍ତିର କାରଣ। (ଥଣ୍ଡାଜ୍ୱର, ମ୍ୟାଲେରିଆ, ଡେଙ୍ଗୁ, ଝାଡ଼ାବାନ୍ତି) । ମହାମାରୀ ସମୟରେ ପରିଷ୍କୃତିକରଣ ଓ ପ୍ରତିଷେଧକ ବ୍ୟବସ୍ଥା ଗ୍ରହଣ।
- ବିପର୍ଯ୍ୟୟ ପରିଚ୍ଛଳନା - ଗୃହ ମଧ୍ୟରେ ପ୍ରାୟତଃ ଘଟି ଆସୁଥିବା ବିଭିନ୍ନ ଆଘାତଜନିତ ଦୁର୍ଘଟଣାର କାରଣ ଓ ଏଥି ନିମନ୍ତେ ନିରାପତ୍ତା ବ୍ୟବସ୍ଥା ଗ୍ରହଣ।

### ଚତୁର୍ଥ ଶ୍ରେଣୀ

- ମହାମାରୀ - ରୋଗ ସଂକ୍ରମଣର କାରଣ ଓ ଏହାର ନିରାପତ୍ତା ବ୍ୟବସ୍ଥା।
- ବିପର୍ଯ୍ୟୟ ପରିଚ୍ଛଳନା - ବିଭିନ୍ନ ପ୍ରକାରର ବିପର୍ଯ୍ୟୟ ସମ୍ବନ୍ଧରେ ସୂଚନା।

### ପଞ୍ଚମ ଶ୍ରେଣୀ

- ମହାମାରୀ - ବିଭିନ୍ନ ପ୍ରକାରର ମହାମାରୀ ସମ୍ବନ୍ଧରେ ପ୍ରାଥମିକ ଧାରଣା ପ୍ରଦାନ ଏବଂ ବ୍ୟାପୁଥିବା ରୋଗଗୁଡ଼ିକ ପାଇଁ ବିହିତ ପ୍ରତିଷେଧକ ବ୍ୟବସ୍ଥା ଗ୍ରହଣ।
- ବିପର୍ଯ୍ୟୟ ପରିଚ୍ଛଳନା - ପ୍ରାକୃତିକ ବିପର୍ଯ୍ୟୟ ସଂପର୍କରେ ପ୍ରାଥମିକ ସୂଚନା।

### ଷଷ୍ଠ ଶ୍ରେଣୀ

- ମହାମାରୀ - କେତେକ ସାଧାରଣ ରୋଗର ମୂଳ କାରଣ, ସଂକ୍ରମଣର ମାଧ୍ୟମ ଏବଂ ସେଗୁଡ଼ିକ ପାଇଁ ପ୍ରତିଷେଧକ ବ୍ୟବସ୍ଥା ଗ୍ରହଣ।
- ବିପର୍ଯ୍ୟୟ ପରିଚ୍ଛଳନା - କେତେକ କୃତ୍ରିମ ବା ମନୁଷ୍ୟକୃତ ବିପର୍ଯ୍ୟୟ।

### ସପ୍ତମ ଶ୍ରେଣୀ

- ମହାମାରୀ - ମହାମାରୀ ସଂପର୍କରେ ଜନସଚେତନତା।
- ବିପର୍ଯ୍ୟୟ ପରିଚ୍ଛଳନା - ଅତୀତରେ ଘଟି ଯାଇଥିବା ବିପର୍ଯ୍ୟୟକୁ ଭିତ୍ତିକରି ଗବେଷଣାତ୍ମକ କାର୍ଯ୍ୟକୁ ପ୍ରୋତ୍ସାହିତ କରିବା ପାଇଁ ବିଭିନ୍ନ ପ୍ରକଳ୍ପ ଗ୍ରହଣ।

### ଅଷ୍ଟମ ଶ୍ରେଣୀ

- ମହାମାରୀ - ମହାମାରୀ ସମ୍ବନ୍ଧରେ ଆବଶ୍ୟକୀୟ ସରକାରୀ ପଦକ୍ଷେପ ଗ୍ରହଣ ଓ ଜନ ସଚେତନତା ବୃଦ୍ଧି ।
- ବିପର୍ଯ୍ୟୟ ପରିଚ୍ଛେଦନା - ବିପର୍ଯ୍ୟୟ ଗୁଡ଼ିକ ସଂପର୍କରେ ପ୍ରାକ୍ ସୂଚନା ପ୍ରଦାନ, ବିପର୍ଯ୍ୟୟ ସମୟରେ ସତର୍କ ସଙ୍କେତ, ଉଦ୍ଧାର ଓ ସୁରକ୍ଷା ବ୍ୟବସ୍ଥା ଗ୍ରହଣ ।

### ନବମ ଶ୍ରେଣୀ

- ମହାମାରୀ - ବୈଜ୍ଞାନିକ ମହାମାରୀ ସମସ୍ୟା ପରିପ୍ରେକ୍ଷାରେ ବିଶ୍ୱସ୍ତରରେ ଗ୍ରହଣ କରାଯାଇଥିବା ବିଭିନ୍ନ ପଦକ୍ଷେପ ତଥା ଗଣମାଧ୍ୟମରେ ମହାମାରୀ ସମ୍ବନ୍ଧରେ ପ୍ରକାଶିତ ବିଭିନ୍ନ ସୂଚନା ସଂପର୍କିତ ପ୍ରକଳ୍ପ ପ୍ରସ୍ତୁତି ।
- ବିପର୍ଯ୍ୟୟ ପରିଚ୍ଛେଦନା - ବିପର୍ଯ୍ୟୟର ପ୍ରକାର, ସେଗୁଡ଼ିକର କାରଣ ତଥା ପୂର୍ବ ସତର୍କତା ସମ୍ବନ୍ଧିତ ପୁଞ୍ଜୀନୁପୁଞ୍ଜ ଆଲୋଚନା -
  - ବିପର୍ଯ୍ୟୟ ପରିଚ୍ଛେଦନା ନିମନ୍ତେ ଶିକ୍ଷା ତଥା ତାଲିମ ପ୍ରଦାନ ।
  - ପରିଚ୍ଛେଦନା କାର୍ଯ୍ୟକୁ ତ୍ୱରାନ୍ୱିତ କରିବା ପାଇଁ ରାଜ୍ୟ ତଥା ଜାତୀୟସ୍ତରରେ ସମନ୍ୱିତ ଯୋଜନା ଓ ଜନ ସଚେତନତା ।

### ଦଶମ ଶ୍ରେଣୀ

- ମହାମାରୀ - ସମ୍ବାଦପତ୍ରରେ ପ୍ରକାଶିତ ମହାମାରୀ ସଂପର୍କିତ ସୂଚନା ଭିତ୍ତିରେ ପ୍ରକଳ୍ପ ପ୍ରସ୍ତୁତି ।
- ବିପର୍ଯ୍ୟୟ ପରିଚ୍ଛେଦନା - ପୃଥିବୀ ପୃଷ୍ଠରେ ଘଟି ଯାଇଥିବା ବିପତ୍ତି ଓ ବିପର୍ଯ୍ୟୟ ମଧ୍ୟରେ ପାର୍ଥକ୍ୟ ଏବଂ ମନୁଷ୍ୟକୃତ କୃତ୍ରିମ ବିପର୍ଯ୍ୟୟ ନିମନ୍ତେ ବିହିତ ପଦକ୍ଷେପ ଗ୍ରହଣ ।

Safety In Syllabus for School Curriculum	ସୁରକ୍ଷା (Safety) ସିଲାବସ୍ ପାଠ୍ୟକ୍ରମ
<p><b>Class 3</b></p> <ul style="list-style-type: none"> <li>• <i>First Aid</i></li> <li>• <i>Safety rules at home</i></li> <li>• <i>Safety rules on the road</i></li> <li>• <i>Safety rules in the school.</i></li> </ul> <p><b>Class 4</b></p> <ul style="list-style-type: none"> <li>• Safety at Home</li> <li>• Fire in the kitchen</li> <li>• Electric Shocks</li> <li>• Safety on the play ground</li> <li>• Safety on the road</li> </ul> <p><b>Class 5</b></p> <ul style="list-style-type: none"> <li>• Road Safety, Road Signs, Traffic Rules,</li> <li>• Safety from Fire, Use of fire extinguishers</li> </ul> <p><b>Class 6</b></p> <ul style="list-style-type: none"> <li>• Summer Safety Tips</li> <li>• Sports Safety</li> <li>• Road Safety Rules</li> <li>• Internet Safety Tips</li> </ul> <p><b>Class 7</b></p> <ul style="list-style-type: none"> <li>• Personal hygiene</li> <li>• Food safety</li> <li>• Food preparation and storage</li> <li>• Food safety management</li> </ul> <p><b>Class 8</b></p> <ul style="list-style-type: none"> <li>• Heat Stress,</li> <li>• Heat Exhaustion</li> <li>• Importance of Hydration</li> <li>• Lab Safety Rules</li> </ul> <p><b>Class 9</b></p> <ul style="list-style-type: none"> <li>• Electrical Safety</li> <li>• Electrical fires</li> <li>• Electrical Hazards</li> <li>• Electrical first aid</li> </ul> <p><b>Class 10</b></p> <ul style="list-style-type: none"> <li>• Safe Construction Practices: Various</li> <li>• Structural Safety</li> <li>• Communication Safety</li> <li>• General Work Place Safety Rules (Height work, Chemical work etc)</li> </ul>	<p>ତୃତୀୟ ଶ୍ରେଣୀ:- ପ୍ରାଥମିକ ଚିକିତ୍ସା ଘରେ ସୁରକ୍ଷିତ ରହିବା ନୀୟମା ବଳୀ ସଡ଼କ ସୁରକ୍ଷା ନିୟମ ବିଦ୍ୟାଳୟରେ ସୁରକ୍ଷା ନିୟମ</p> <p>ଚତୁର୍ଥ ଶ୍ରେଣୀ:- ଘରେ ସୁରକ୍ଷିତ ରହିବାର ନିୟମ ରୋସେଇ ଗୃହରେ ନିଆଁ ବୈଦ୍ୟୁତିକ ଝଟକା ଖେଳ ପଡ଼ିଆରେ ସୁରକ୍ଷା ନିୟମ ସଡ଼କ ସୁରକ୍ଷା</p> <p>ପଞ୍ଚମ ଶ୍ରେଣୀ:- ସଡ଼କ ସୁରକ୍ଷା ଏବଂ ଯାତାୟାତ ଚିହ୍ନ ଓ ନିୟମ ମାନ ନିଆଁ ରୁ ସୁରକ୍ଷା ଉପାୟ ଅଗ୍ନି ନିର୍ବାଚନ ଯନ୍ତ୍ରର ବ୍ୟବହାର</p> <p>ଷଷ୍ଠ ଶ୍ରେଣୀ:- ଗ୍ରୀଷ୍ମରେ ସୁରକ୍ଷା ଚିପ୍ପ କ୍ରୀଡ଼ା ସୁରକ୍ଷା ସଡ଼କ ସୁରକ୍ଷା ନିୟମା ବଳୀ ଇଣ୍ଟରନେଟ ସୁରକ୍ଷା ଚିପ୍ପ</p> <p>ସପ୍ତମ ଶ୍ରେଣୀ:- ଆପଣା ସ୍ୱାସ୍ଥ୍ୟ ରକ୍ଷା ଖାଦ୍ୟ ସୁରକ୍ଷା ଖାଦ୍ୟ ପ୍ରସ୍ତୁତି ପ୍ରଣାଳୀ ଏବଂ ସୁରକ୍ଷା ଖାଦ୍ୟ ସୁରକ୍ଷା ପରିଚାଳନା</p> <p>ଅଷ୍ଟମ ଶ୍ରେଣୀ:- ଚାପ ଚାପ ଚାପ ହ୍ରାସ ପ୍ରଣାଳୀ ଜଳ ସଞ୍ଚନ ର ପ୍ରାଧାନ୍ୟ ପ୍ରୟୋଗଶାଳା ସୁରକ୍ଷା ନିୟମ</p> <p>ନବମ ଶ୍ରେଣୀ :- ବୈଦ୍ୟୁତିକ ସୁରକ୍ଷା ବୈଦ୍ୟୁତିକ ନିଆଁ ବୈଦ୍ୟୁତିକ ସଙ୍କଟ ବୈଦ୍ୟୁତିକ ପ୍ରାଥମିକ ଚିକିତ୍ସା</p> <p>ଦଶମ ଶ୍ରେଣୀ :- ଦୁର୍ଘଟଣା ଶୂନ୍ୟ କାର୍ଯ୍ୟ ପ୍ରଣାଳୀର ସପ୍ତାଙ୍ଗ ସିଦ୍ଧାନ୍ତ ନିମାଣ ସୁରକ୍ଷା ଉପାୟ ଅଭ୍ୟାସ ସଂରଚନା ସମ୍ବନ୍ଧୀୟ ସୁରକ୍ଷା ପ୍ରଣାଳୀ ଯୋଗାଯୋଗ ସୁରକ୍ଷା ସାଧାରଣ କର୍ମସ୍ଥଳୀ ସୁରକ୍ଷା ନିୟମ (ଉଚ୍ଚଶ୍ଳାନ୍ତ ରାସାୟନିକ କାର୍ଯ୍ୟ ଇତ୍ୟାଦିରେ ନିୟୋଜନ ସମୟରେ)</p>

Prepared by

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## **College Syllabus**

### **Syllabus involving Disaster Management, webinar on 23rd June 2021**

**Prof. B.B.Mishra**  
**Utkal University**

#### **Introduction**

The term disaster has been interpreted in lots of ways by various individuals and organisations. According to Haddow and Bullock, “Disaster is a sudden adverse or unfortunate extreme event which causes great damage to human beings as well as flora and fauna”. Balaji, Sankar and Karthi defined disaster as a serious disruption of the functioning of a society, causing widespread human, material or environmental losses, caused by hazards, which exceed the ability of affected society (community) to cope using only its own resources. Disasters occur swiftly, instantly and erratically. This extreme event either natural or man-induced<sup>63</sup> exceed the bearable scale within or beyond certain time limits, make regulation difficult, result in appalling losses of property and earnings and paralyses the life.

#### **Disaster management**

Disaster management is the discipline of dealing with and avoiding menaces. It is a discipline that involves preparing for disaster before it happens, disaster reaction as well as supporting, and rejuvenating society after disasters have occurred. It is a continuous process by which all individuals, groups and communities manage hazards in an effort to circumvent or recuperate the impact of disasters resulting from the hazards. The process of disaster management involves four phases: mitigation, preparedness, response and recovery.

#### **Disaster management in India**

India has been susceptible to natural disasters on account of its unique geo-climatic conditions. Floods, droughts, cyclones, earthquakes and landslides have been intermittent phenomena. About 60 per cent of the landmass is prone to earthquakes of various intensities; over 40 million hectares is prone to floods; about 8 per cent of the total area is prone to cyclones and 68 per cent of the area is susceptible to drought. In the decade 1990-2000, an average of about 4344 people lost their lives and about 30 million people were affected by disasters every year. The loss in terms of private, community and public assets has been astronomical. The super cyclone in Orissa in October 1999, the Bhuj earthquake in Gujarat in January 2001 and Tsunami in 2004 and more recently, the Yass Cyclone in Odisha has underscored the need to adopt multi-disciplinary and multisectoral approach and incorporation of risk reduction in the developmental plans and strategies. Prevention is better than cure, is an old saying which is very appropriate in the perspective of disaster management. Every year massive amount of resources is used by our Government as well as Aid agencies in relief and rehabilitation measures. It is now apparent that mitigation and outlay in disaster preparedness can save thousands of lives, imperative economic possessions and livelihoods and reduce the cost of overall disaster relief.

#### **Disaster Awareness in School and University Curriculum**

The educational system is the hub of younger blood on whose shoulders lay the responsibility of making a nation a safe place to live in. On these lines, the Ministry of Home Affairs, India launched a set of nation-wide disaster risk mitigation initiatives in its Tenth Five Year Plan to empower the younger generation to combat disasters. One of the important initiatives recommended to the education boards and institutions is the inclusion of disaster management in

the curriculum of school and professional education.

A teacher is an acknowledged guide in the process of learning. To ensure effective curriculum transaction, the University/Board has taken up extensive training programmes for the teachers in a phased manner across the country. In each of the training programmes, focus has been laid on the causes, preparedness and mitigation measures for various hazards. The schools and other HEIs are encouraged to get their teachers and students and other ministerial staff trained on first aid, search and rescue etc., by various Governmental and Non-Governmental agencies.

### **The Road Ahead**

It is said that accidents do not happen but they are caused. Advance planning, effective implementation strategies, development of right attitude for safety, co-ordination and co-operation with agencies working in this area are important for ensuring safety in schools. Introduction of disaster management has been a revolutionary step but still India has a long way to go. The curriculum enacted for the schools has covered almost all the conjectural aspects but the realistic approach has not been given due to weight age. The subject should be introduced on operational level to cover the maximum population. To kindle the awareness of disaster management among students, teachers and community, the mock drill sessions should be given appropriate prominence with emphasis on practical training for first aid, safety and rescue measures. Hazard specific mock drills should carry out every month. The training modules should be prepared to sensitise and prepare the teachers for disseminating the existent depiction of disasters to students and make them prepared to face them. The community should be made a part of mock drills and rallies to sensitise them on this contemporary issue. The print and electronic media should be mobilised to create awareness about the disasters and the means to alleviate them. Each child should teach at least a single member of the community in relation to ways of managing unseen natural and man-made disasters.

**Conclusion** - Disasters can happen anywhere, anytime and to anyone so it is imperative to make everyone around you aware of the disaster that is the only effective way in condensing the loss of lives and assets. The student community is the paramount resource in bringing this awareness among the people. Hence preparing them to combat and sensitise about disasters will prove a fruitful and blessing for millions of lives saved by them.

### **Proposed Syllabus for UG/PG courses**

1. Understanding Disasters :- Introduction to Disaster, Different Types of Disaster : A) Natural Disaster: such as Flood, Cyclone, Earthquakes, Landslides etc B) Man-made Disaster: such as Fire, Industrial Pollution, Nuclear Disaster, Biological Disasters, Accidents (Air, Sea, Rail & Road), Structural failures(Building and Bridge), War & Terrorism etc. Causes, effects and practical examples for all disasters.

2. Risk and Vulnerability Analysis:- Understanding the Concepts and definitions of Hazard, Vulnerability, Risk, and Capacity – Disaster and Development, and disaster management, Risk analysis, Risk Reduction, Vulnerability analysis, and Strategic Development for Vulnerability Reduction

3. Types, Trends, Causes, Consequences and Control of Disasters - Geological Disasters (earthquakes, landslides, tsunami, mining); Hydro-Meteorological Disasters (floods, cyclones, lightning, thunder-storms, hail storms, avalanches, droughts, cold and heat waves) Biological Disasters (epidemics, pest attacks, forest fire); Technological Disasters (chemical, industrial, radiological, nuclear) and Manmade Disasters (building collapse, rural and urban fire, road and

rail accidents, nuclear, radiological, chemicals and biological disasters) Global Disaster Trends – Emerging Risks of Disasters – Climate Change and Urban Disasters

4. Disaster Management Cycle and Framework - Disaster Management Cycle – Paradigm Shift in Disaster Management Pre-Disaster – Risk Assessment and Analysis, Risk Mapping, zonation and Microzonation, Prevention and Mitigation of Disasters, Early Warning System; Preparedness, Capacity Development; Awareness During Disaster – Evacuation – Disaster Communication – Search and Rescue – Emergency Operation Centre – Incident Command System – Relief and Rehabilitation – Post-disaster – Damage and Needs Assessment, Restoration of Critical Infrastructure – Early Recovery – Reconstruction and Redevelopment; IDNDR, Yokohama Strategy, Hyogo Framework of Action

5. Disaster Preparedness and Response Preparedness- Disaster Preparedness: Concept and Nature, Disaster Preparedness Plan, Prediction, Early Warnings and Safety Measures of Disaster, and Role of Information, Education, Communication, and Training in mitigation of Disaster,

6. Role of Government, International and NGO Bodies -. Role of IT in Disaster Preparedness 7. Role of Engineers on Disaster Management – 1. Disaster Response : Introduction 2. Disaster Response Plan 3. Communication, Participation, and Activation of Emergency Preparedness Plan 4. Search, Rescue, Evacuation and Logistic Management 5. Role of Government, International and NGO Bodies 6. Psychological Response and Management (Trauma, Stress, Rumour and Panic) 7. Relief and Recovery 8. Medical Health Response to Different Disasters

7. Disaster Management in India - Disaster Profile of India – Mega Disasters of India and Lessons Learnt Disaster Management Act 2005 – Institutional and Financial Mechanism National Policy on Disaster Management, National Guidelines and Plans on Disaster Management; Role of Government (local, state and national), Non-Government and Inter-Governmental Agencies. Rehabilitation, Reconstruction and Recovery -. Reconstruction and Rehabilitation as a Means of Development. 2. Damage Assessment 3. Post Disaster effects and Remedial Measures. 4. Creation of Long-term Job Opportunities and Livelihood Options, 5. Disaster Resistant House Construction 6. Sanitation and Hygiene 7. Education and Awareness, 8. Dealing with Victims' Psychology, 9. Long-term Counter Disaster Planning 10. Role of Educational Institute.

8. Applications of Science and Technology for Disaster Management - Geo-informatics in Disaster Management (RS, GIS, GPS and RS) Disaster Communication System (Early Warning and Its Dissemination) Land Use Planning and Development Regulations Disaster Safe Designs and Constructions Structural and Non Structural Mitigation of Disasters S&T Institutions for Disaster Management in India

9. Suggested Areas for Project and Assignments - Study of Recent Disasters (at local, state and national level) And Preparation of Disaster Risk Management Plan of an Area or Sector Role of Engineers in Disaster Management.

**Suggestions on School Syllabus Involving Disaster Management (DM),  
Pandemic Management (PM) & Safety- Draft Course Curriculum with  
Level of Class / Classes to Secretary, School Education / Higher  
Education Govt of Odisha (Coordinated by IGFP)**

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Wed, Mar 2, 2022 at 12:38 PM

To: secy.ugc@nic.in

Cc: secy.sel@nic.in, secy-labour@nic.in, secretary-msme@nic.in, secysme@gmail.com, Bijay Patnaik <patnaiks.bijay@gmail.com>, Partha Mitra <ppmitra56@gmail.com>, Ashok Sahu <sahua@rediffmail.com>, panchanan.kanungo@gmail.com, LALIT GABHANE <dgooffice@nsc.org.in>, osdma odisha <osdma@osdma.org>, ceo-niti@gov.in, Malay Pradhan <malay.pradhan@yahoo.com>, PDK-INT-KOOP\_BGBAU <pdk-int-koop@bgbau.de>, Timm Sven <sven.timm@dguv.de>, "Dr. Jens" <juehling.jens@bgetem.de>, issa-trade <secretariat@issa-trade.org>, ISSA – Vision Zero <issacomm@ilo.org>

Dear Prof.Jain,Secretary University Grants Commission,

**May i take this opportunity to introduce myself & my organization which presently is involved in promoting Occupational Safety, Health (OSH) & Social Security (SS) in India with strong support of our German Partner- German Social Accident (DGUY Germany). After superannuation as Insurance Commissioner in ESIC Ministry of labour, heading Indo German Focal Point (IGFP) with HO @ Bhubaneswar our Activities is Enclosed Through India Map.(Enclosed)**

IGFP is Privileged to have access to your communication No- 2-9/2022(CPP-II) Dated 24th Feb 2022 on Model Course Curriculum on Disaster Risk Reduction (DRR) and Management at UG & PG Level you shall be happy to know that **IGFP has recently formulated "Draft Curriculum on Disaster Management (DM), Pandemic Management (PM) & Safety for School" as submitted to Govt of Odisha under the guidance of Mr. Bijay Pattnaik IAS Former Chief Secretary, Odisha Govt. It is to inform that under the leadership of Honorable Chief Minister of Odisha, Govt of Odisha is bringing DM & PM in school Syllabus.**

**I am privileged to share IGFP letter to School Secretary Govt of Odisha alongwith draft Syllabus for your kind perusal & Necessary Action.**

IGFP will be privileged to assist UGC in this Model Course Curriculum which assumes importance for school & college students in the wake of Covid-19 Pandemic.

Kindly Respond.

With Cheers & Regards

Mr B.K Sahu

Former Insurance Commissioner, ESIC, Ministry of Labour,

Communication Adviser To Insurance Regulatory and Development Authority, IRDA,

Now Director @ Indo- German Focal Point- Prevention & Social Security For India ,

DGUV

Land No- 0674-2386668,

Mobile- 9040590798/ 9818098844

**Our Website:-[www.indogermanfocalpoint.com](http://www.indogermanfocalpoint.com)**

**"5 Years of Indo German Cooperation on OSH, SS"**

**Suggestions on School Syllabus involving Disaster Management (DM),  
Pandemic Management (PM) & Safety- draft course curriculum with  
level of class/classes to Secretary, School Education/ Higher Education  
Government of Odisha (Coordinated by IGFP)**

bimal sahu <focalpointindia.dguv@gmail.com>

Thu, May 26, 2022 at

2:04 PM To: secy.sel@nic.in

Cc: minister.sm@gov.in, Ischangsana@nic.in, minister.hrd@gov.in, secysme@gmail.com, Principal Secretary Labour Department <labsec.or@gmail.com>, policybureauugc@gmail.com, ssingh.ugc@nic.in, ssinghugc@hotmail.com, ncert.media@gmail.com, dek.ncert@gmail.com, chairperson.idd@gmail.com, head\_depfe@rediffmail.com, jdciet.ncert@nic.in, Partha Mitra <ppmitra56@gmail.com>, panchanan.kanungo@gmail.com, Amar Satpathy <apsatpathygcw@gmail.com>, rama chandra khuntia <rckhuntia@gmail.com>, Malay Pradhan <malay.pradhan@yahoo.com>, "B.N Som" <bn\_som@yahoo.com>, Ashok Sahu <sahua@rediffmail.com>, "Mrs. Anuradha Rakhsit" <principal@dpskalinga.edu.in>, "Dr. Bidhu Mishra" <bidhu.mishra@gmail.com>, "Noetel, Karl-Heinz" <karl-heinz.noetel@bgbau.de>, Timm Sven <sven.timm@dguv.de>, "Dr. Jens" <juehling.jens@bgetem.de>, PDK-INT-KOOP\_BGBAU <pdk-int-koop@bgbau.de>, Occupational safety & Health <director.osh@kiit.ac.in>, LALIT GABHANE <dgooffice@nsc.org.in>, "Office of The Vice Chancellor, KIIT-DU" <vc@kiit.ac.in>, R Elangovan <rke@dgfasli.nic.in>

**Dear Ms Anita Karwal, Secretary School Education & Literacy, Govt of India, IGFP is privileged to forward herewith reply communication received from UGC involving our Proposal for Inclusion of Disaster Management (DM) Pandemic Management (PM) & Safety in higher education classes which is self explanatory. I would like to refer to your office mail dated 26th November 2020 (Copy Enclosed), involving IGFP proposal for inclusion of Occupational Safety Health (OSH) in School Curriculum as forward to NCERT, besides your latest communications dated 28th Oct 2021 forwarding Hon' ble Union Education Minister Mail also on the same Issue (Copy Enclose) IGFP would be privileged to know the status of reference made by your department to NCERT involving OSH in School Syllabus like in KV Schools etc. Administered Under the Control of Govt of India.**

With Cheers & Regards



Mr B.K Sahu


Former Insurance Commissioner, ESIC, Ministry of Labour,  
Communication Adviser To Insurance Regulatory and Development  
Authority, IRDA, Now Director @ Indo- German Focal Point- Prevention &  
Social Security For India , DGUV  
Land No- 0674-2386668,  
Mobile- 9040590798/ 9818098844

Our Website:-

[www.indogermanfocalpoint.com](http://www.indogermanfocalpoint.com)"5

Years of Indo German Cooperation on  
OSH, SS"







**POCKET SIZE BOOKLET ON  
SAFETY, HEALTH & SOCIAL SECURITY**  
For  
**Empowering workers on safety,  
social security & skill development**

**"zero accident & disease at the workplace is possible"**

ଶୁମିକ ସରକ୍ଷକରଣ ନିମନ୍ତେ ମହିଳା ଏବଂ ଶିଳ୍ପମାନଙ୍କ  
ମାଧ୍ୟମରେ ବୃତ୍ତିଗତ ତଥା ସାମାଜିକ ସୁରକ୍ଷା ଏବଂ ସାମର୍ଥ୍ୟ ଅଭିବୃଦ୍ଧି ସମ୍ପୂର୍ଣ୍ଣରେ  
ସରକେତନତା ସୃଷ୍ଟିକରି, ଦୂର୍ଘଟଣା ଓ ବ୍ୟାଧିମୁକ୍ତ କର୍ମସ୍ଥଳୀ ସାକାର କରିବା ସମ୍ଭବ



**Dedicated to Millions of Migrant & Sanitation Workers**  
(The Real Warriors during COVID-19 Pandemic)

**Tools To Achieve Vision ZERO At Work Place**



- Accept leadership to demonstrate commitment**
- Bring risk assessment to identify hazards.**
- Create safe and healthy equipments**
- Define targets for developing effective programs**
- Ensure a safe and healthy system for smooth adoption**
- Facilitate skill development for improved competence**
- Guide to achieve team work**

**"one for all" & "all for one"**

**Compiled by**

Mr. B.K. Sahu, Former Insurance Commissioner, ESIC, Ministry of Labour, Govt. of India  
Communication Adviser IRDA & Now @ Indo-German Focal Point-Prevention & Social Security for India  
Who can be reached in his  
mail ID : focalpointindia.dguv@gmail.com, bk\_sahu04@yahoo.com  
www.indogermanfocalpoint.com

Cell : +91-9040590798 / 9818098844, Ph : +91- 674-2386668

**Securing Safety, Social Security & Skill Development Starts With Self - 75**

**EDUCATING WOMEN & CHILDREN ON SAFETY, SOCIAL SECURITY & SKILL DEVELOPMENT  
TO EMPOWER WORKERS & ENTREPRENEURS THAT "ZERO ACCIDENT & DISEASE AT WORKPLACE IS POSSIBLE"**






**ସୁରକ୍ଷାର ଧର୍ମ - ନାହିଁ ତାର ଛୁଟି କେବେ ;  
"ବାପାବୋଉ" - ତୁମେ ସୁରକ୍ଷିତ, ଆମ ଘର ସୁରକ୍ଷିତ, ତେବେ ସମୃଦ୍ଧ ଆମ ଦେଶ ।  
'Parents' - " You stay safe so that family is secured & the Nation is Prosperous"**

**For initiatives taken by OB & OCWW Board - Refer <http://www.labdirodisha.gov.in>  
ODISHA BUILDING AND OTHER CONSTRUCTION WORKERS' WELFARE BOARD**

**Pradhan Mantri Jeevan Jyoti Bimsa Yojana**

Life Insurance worth ₹ 2 lacs at just ₹ 330 per annum

**Pradhan Mantri Suraksha Bima Yojana**

Accident insurance worth ₹ 2 lacs at just ₹ 12 per annum

**Atal Pension Yojana**

Minimum Investment, Maximum Benefits during old-age

**ପ୍ରଧାନମନ୍ତ୍ରୀ ସୁରକ୍ଷା ବୀମା ଯୋଜନା**

କାର୍ଯ୍ୟ ପ୍ରତିନା ୧୦୦୦  
**₹12** ଠାରୁ **₹2 ଲକ୍ଷର** ପ୍ରତିନା ମୂଲ୍ୟ

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କାର୍ଯ୍ୟ ପ୍ରତିନା ୧୦୦୦  
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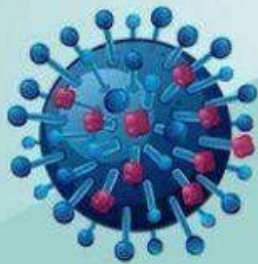
Swachh Bharat, Digital India, Green India, Job Creation

**Securing Safety, Social Security & Skill Development Starts with Self - (7S)  
Indo - German Focal Point For India (DGUV)  
Email : focalpointindia.dguv@gmail.com**

Dear Member,

PREPARE, BUT DON'T PANIC!

# NOVEL CORONAVIRUS (COVID-19)



Know More



## SIMPLE STEPS TO PREVENT CORONAVIRUS

### Do's



Wash your hands frequently using soap or use hand sanitizer



Cover your face with handkerchief while sneezing and coughing



Throw used tissues into closed bins immediately



See a doctor if you feel unwell, wear a mask while visiting a doctor



For health-related query, call 011-23978046



Avoid participating in large gatherings

### Don'ts



Have a close contact with anyone, if you're experiencing cough and fever



Touch your eyes, nose and mouth



Spit in public

**Workshop on Syllabus for Education on Disaster Management (DM) & Pandemic Management (PM) Involving OSH & SS @ KIIT Bhubaneswar on 28<sup>th</sup> June 2022 Organized by Centre of Excellence KIIT Deemed University & Indo-German Focal Point India (IGFP)**

**Takeaways / Press note**

- 1. In the past, in response to the call given by Hon'ble Chief Minister of Odisha, with the support of Director, DPS-Kalinga and others, a Syllabus on DM & PM involving OSH for school students and was prepared and submitted it to Education Secretary, Govt. of Odisha. Now it is proposed to expand the coverage by preparing similar syllabus for students of higher education, the idea being supported by UGC and including social security (SS) as a component.**
- 2. International cooperation for syllabus on OSH & SS is important as there are three overreaching goals, namely, (a) these are human, economic, social and fundamental rights, (b) safe and healthy working conditions are to be provided world-wide and (c) implementation of Vision Zero has to be advanced globally.**
- 3. The curriculum has to promote a safety culture by focusing on inter-disciplinary aspects covering ethics, morality, social, political, psychological and other related fields instead only rules and regulations. Our responsibility towards community has to be highlighted.**
- 4. DM & PM can be taught as a part of public policy or as a specialized subject.**
- 5. The emphasis on DM & PM is changing from being reactive (rescue, recovery, relief and rehabilitation) to being proactive (planning, preparedness and early response) which need to be reflected in the curriculum. Contribution of 7 Golden Rules of Vision Zero has to be highlighted.**
- 6. Just like students become Red Cross, NCC and NSS volunteers, by getting suitable inputs and opportunities, they can master the subject and become agents of social change.**
- 7. Students are required to be sensitized on DM & PM at all levels, namely primary, middle, secondary, graduate and post-graduate levels both on causative factors and safety measures. Otherwise there will be chaos.**
- 8. While sorting out issues like availability of teachers and study material, examination based on class room teaching and practicals etc., the subject can be introduced in any Semester with appropriate credit rating as no previous formal knowledge is necessary.**
- 9. Apart from Social Protection Floor (SPF) being provided to organized and unorganized sector worker, social security has to be made available to families in form of food, shelter, health, income, employment and institutional (family insurance) support.**
- 10. New technology like use of digital learning apps requires to be tapped.**
- 11. Providing health services at Golden Hour (immediately after occurrence of the disaster) to the victims is very important.**
- 12. Mental health also requires due attention.**
- 13. Issues like human capabilities and limitations, biorhythm, work environment, training, hazard profiling, health risk assessment, safety issues at home etc., are all important from DM & PM angle.**
- 14. The workshop recommended constitution of a Syllabus Committee under the chairpersonship of Prof. Padmaja Mishra.**

Prepared by  
**Indo German Focal Point (IGFP) & Dr. Ashok Sahu, IES (Retd.)**  
 Former Secretary General, NHRC & LEA, MOLE & Advisory Board of IGFP  
 Dated 29<sup>th</sup> June 2022

# ପରିମଳ ଏବଂ ଡେଙ୍ଗୁ ପାଇଁ ବିଏମ୍‌ସିର ବୈଠକ ଏଣିକି ବିଦ୍ୟାଳୟରେ ସଚେତନତା କାର୍ଯ୍ୟକ୍ରମ





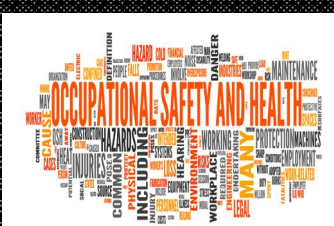
ଭୁବନେଶ୍ୱର, ୨୭(ନି.ପ୍ର): ମଶା ବଂଶ ବୃଦ୍ଧି ରୋକିବା ସହ କେଉଁ ସ୍ଥାନରେ ପାଣି ଜମୁଛି, ମଶା ଧୂଆଁ ଦିଆଯିବ ଏବଂ ତେଲ ସିଞ୍ଚନ କରାଯିବ ସେ ସେସବୁ ସ୍ଥାନ ତୁରନ୍ତ ଚିହ୍ନଟ କରି ପବନେସ ପନେବାକୁ ବିଏମ୍‌ସି ଆୟୁକ୍ତ ବିଜୟ ଅମୃତା କୁଳାଙ୍ଗେ ନିର୍ଦ୍ଦେଶ ଦେଇଛନ୍ତି। ଏଥିସହ ବିଦ୍ୟାଳୟରେ ବିଦ୍ୟାଳୟକୁ ଏ ନେଇ ସଚେତନ କରାଯିବ ବୋଲି ସେ କହିଛନ୍ତି। ବିଏମ୍‌ସି କାର୍ଯ୍ୟକ୍ରମରେ ଗୁରୁବାର ଆୟୁକ୍ତଙ୍କ ଅଧ୍ୟକ୍ଷତାରେ ପରିବେଶ ସୁରକ୍ଷା ଓ ମଶା ବଂଶ ବୃଦ୍ଧି ରୋକିବା ଉପରେ ଏକ ବୈଠକ ଅନୁଷ୍ଠିତ ହୋଇଥିଲା।

ଆବଶ୍ୟକତା ଓ ଉପକାରଣ ଏବଂ ନିଜ ଘର ଓ ଅନୁଷ୍ଠାନର ୫ ମିନିଟ ପରିସରକୁ ସଫା ରଖିବା ବାବଦରେ ସଚେତନ କରାଇବା ଉପରେ ଆୟୁକ୍ତ ଗୁରୁତ୍ୱାରୋପ କରିଥିଲେ। ସହରର ନାଲଗୁଡ଼ିକୁ ସଫା କରିବା ସହ ତୁରନ୍ତ ପଙ୍କ ସ୍ଥାନାନ୍ତର କରିବାକୁ ସବୁ ଏଜେଣ୍ଟଙ୍କୁ ସେ ନିର୍ଦ୍ଦେଶ ଦେଇଥିଲେ। ଏହାର ତଦାରଖ ପାଇଁ ଖାତ ଅଧିକାରୀ, ସାନିଟାରୀ ଇନ୍‌ସପେକ୍ଟରଙ୍କୁ ଦାୟିତ୍ୱ ଦିଆଯାଇଥିବା ସେ କହିଥିଲେ। ପ୍ରତି ଖାତର ସାନିଟାରୀ ଇନ୍‌ସପେକ୍ଟର, ଖାତ ଅଧିକାରୀ ଚାଲି ଚାଲି ନାଲ ପରିଦର୍ଶନ କରିବେ। ସଫା ଆୟ, ଯୋଗ୍ୟ ରୁକ୍, ବିଏମ୍‌ସି ଷ୍ଟେସିଆନ୍, ମେସିନ୍, ୧୯୨୯କୁ ଯୋଗୁ କରି ସହରବାସୀ ବିଭିନ୍ନ

ଅଭିଯୋଗ କରୁଛନ୍ତି। ସେସବୁ ଅଭିଯୋଗର ଦ୍ୱିତୀୟ ସମାଧାନ ପାଇଁ ଆୟୁକ୍ତ ନିର୍ଦ୍ଦେଶ ଦେଇଥିଲେ। ବୈଠକରେ ଅତିରିକ୍ତ ଆୟୁକ୍ତ ଲକ୍ଷ୍ମୀକାନ୍ତ ସେଠୀ, ଶୁଭେନ୍ଦୁ କୁମାର ସାହୁ, ସୁଯ୍ୟବଂଶୀ ମହାର ବିକାଶ, ପରିମଳ ଉପାୟକ୍ତ ତ. ମନୋରଞ୍ଜନ ସାହୁ, ଜ୍ୟୋତୀ ଉପାୟକ୍ତ, ସହକାରୀ ଆୟୁକ୍ତ, ବିଏମ୍‌ସି ସ୍ୱାସ୍ଥ୍ୟ ଅଧିକାରୀ ପ୍ରମୁଖ ଯୋଗ ଦେଇଥିଲେ।

Source –Samaj,Bhubaneswar dated 7<sup>th</sup> July 2023  
**Presentations by Speakers @ Syllabus Workshop @ COE KIIT University June 2022**

 <p><b>OSDMA</b></p>	<p><b>Curriculum involving OSH for School &amp; College - Odisha Govt. Perspective</b></p>  <p><b>Curriculum</b></p> <p><b>Dr. M K Pradhan</b>                  General Manager (F&amp;B)                  OSDMA, Govt. of Odisha                  Mob – 9439210915                  Email – <a href="mailto:malay.pradhan@yahoo.com">malay.pradhan@yahoo.com</a></p>	<p><b>Workshop On 'Syllabus for Education on Disaster Management (DM) &amp; Pandemic Management (PM) Involving OSH &amp; SS' @ KIIT University, Bhubaneswar on 28.06.2022.</b></p> <p>Presentation On <b>Syllabus Involving Social Security for School and Higher Education</b></p> <p>By <b>Dr. Ashok Sahu, IES (Retd.)</b>                  Member, Advisory Board, Indo German Focal Point                  (Formerly: Secretary General, National Human Rights Commission, Principal Adviser, Planning Commission, Economic Adviser and Labour &amp; Employment Adviser, Ministry of Labour &amp; Employment)</p>
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**Syllabus for Education on Disaster Management & Pandemic Management – OSH perspective**

Presented by:  
 Krishna Nirmalya Sen, Ph.D, PE, FIE,  
 Head EHS, L&T Construction MMH SBG,  
 Fellow Collegium Ramazzini  
 Chair ICOH Scientific Committee in the Construction Industry  
 President ASSP India Chapter

## Health Perspective for Disaster and Pandemic Management



Director of Public Health, Odisha  
 H & FW Deptt. Govt. of Odisha

<p>Presentation on School Syllabus Involving Disaster Management (DM), Pandemic Management (PM) &amp; Safety- Draft Course Curriculum with Level of Class / Classes to Secretary, School Education / Higher Education Govt of Odisha (Coordinated by IGFP) 23<sup>rd</sup> June 2021</p> <p>Mrs.Anuradha Rakshit,Principal DPSK with Support of Susri. Sangita Panda Principal Unit-1 Boys High School &amp; Dr. Malay Kumar Pradhan, GM,OSDMA</p>	<p><b>Disaster management as part of curriculum for under-graduate and post-graduate courses</b></p> <p>DR. BIDHU BHUSAN MISHRA UTKAL UNIVERSITY, BHUBANESWAR</p>
<p><b>Importance of courses on disaster management, pandemic management Including Occupational Health and safety in universities and institutions</b> 28<sup>th</sup> June 2022</p>  <p><b>Dr. Subhashis Sahu, PhD, FABMS</b> <i>Vision Zero -Trainer</i> Ergonomics and Occupational Physiology Laboratory, Dept. Of Physiology, University of Kalyani Email : <a href="mailto:skcsahu@yahoo.co.in">skcsahu@yahoo.co.in</a>/ <a href="mailto:ssahu@klyuniv.ac.in">ssahu@klyuniv.ac.in</a></p> 	<p><b>Introductory Speech of Mr. B.K.Sahu</b> Former Insurance Commissioner, ESIC, Ministry of Labour, Communication Adviser To Insurance Regulatory and Development Authority, IRDA, Now Director @ Indo- German Focal Point- Prevention &amp; Social Security For India , DGUV</p>





**Safety Lessons Among Children to Spread Awareness About Health and Safety Issues of Daily Life Through Lifelong Learning Project (LLL, India) By INDO GERMAN FOCAL POINT**



Supported By  
DGUV

Indo German Focal Point (IGFP)

**OBJECTIVES**



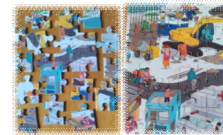
- Promote learning on crucial safety practices through games and age appropriate activities
- Develop an atmosphere of preventive health and safety in kindergartens, schools and at home, in order to improve safety and health at work and in transportation.
- To show how engaging young children on safety and health issues can lead to long lasting habits and prevention of risks
- Inculcate a sense of risk prevention and safety in young children, parents, educators, workers.

Indo German Focal Point (IGFP)

**DIFFERENT TYPES OF GAMES**



Colouring & Activity book



Puzzle



Twist-table clock game



Cards



Board game

Indo German Focal Point (IGFP)

**CHILDREN PLAYING WITH GAME**



Indo German Focal Point (IGFP)

**ADVANTAGES OF IMPLEMENTING LLL**



- The ability of the children involved to perceive risks,
- Their knowledge about prevention and their repertoire of actions when it comes to avoiding risks, and, in particular
- The effect that the games and learning materials had on the children's understanding of risks and prevention.
- A point of particular interest was to find out if and to what extent the safety issue can effectively be brought into the families via the children.
- Motivation for prevention from a young age
- Discussion of health and safety topics in families
- Reaching enterprises through families

Indo German Focal Point (IGFP)



विश्वविद्यालय अनुदान आयोग  
University Grants Commission  
(शिक्षा मंत्रालय, भारत सरकार)  
(Ministry of Education, Govt. of India)  
बहादुर शाह ज़फर मार्ग, नई दिल्ली - 110002  
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**BY EMAIL ID**

**F.No.21-49/2022(CPP-II)**

May, 2022

[Focalpointindia.dguv@gmail.com](mailto:Focalpointindia.dguv@gmail.com)


25 MAY 2022

**Subject:- regarding suggestions on School Syllabus involving Disaster Management (DN), Pandemic Management (PM) & Safety- draft course curriculum with level of class/classes to Secretary, School Education/ Higher Education Government of Odisha (Coordinated by IGFP).**

Sir,

With reference to your email dated 02.03.2022 on the subject cited above, I am directed to inform you that UGC has requested universities to initiate programmes on disaster management. A letter issued on 24.02.2022 to the Higher Educational Institutions (HEIs) is available on UGC website [www.ugc.ac.in](http://www.ugc.ac.in). You are further informed that school education does not come under the purview of UGC. You may approach the National Council of Educational Research and Training (NCERT)/ State Council of Educational Research & Training (SCERT) in this matter.

Yours sincerely,

  
(Himanshu Bahuni)  
Under Secretary



**VISION ZERO**  
Safety.Health.Wellbeing.

**DGUV**

**INDO-GERMAN  
FOCAL POINT  
INDIA**

**Pledge to be Taken by Students for  
14th November 2021  
Program on Safety, Health & Nation Building**

**“We pledge to observe Covid -19 guidelines to achieve zero tolerance towards infections and overcome the pandemic**

**We also pledge to follow the 7 Golden Rules towards zero accidents @ workplace and make our workplaces , homes and roads a much safer place for us , our loved ones and the society at large”**

**Compiled by Indo German Focal Point ( IGFP )  
with Support of DGUV ( Germany )**

**[www.indogermanfocalpoint.com](http://www.indogermanfocalpoint.com)**