

**One Week online**  
**Faculty Development Program**  
**On**  
**“Disaster Management & Engineering  
Structures Safety”**

(21<sup>st</sup> Sep. to 25<sup>th</sup> Sep. 2020)

**Sponsored by**



**AICTE Training and Learning (ATAL) Academy**



**Organized By**

**IPS Academy**  
**Institute of Engineering & Science**  
**(A UGC Autonomous Institute, Affiliated to RGPV)**  
**Civil Engineering Department**

Knowledge Village, Rajendra Nagar, A.B. Road, Indore (M.P.), 452012

Ph.0731-4014607, E-mail: office.civil@ipsacademy.org,

Visit us :ies.ipsacademy.org

## **About FDP**

Disasters are adverse or unfortunate events or great and sudden misfortunes which have a profound effect on society and the nation. They may occur due to natural causes such as earthquakes, tsunamis, floods (currently in Uttarakhand) or cyclones or due to man-made causes such as blasts, missile attacks or fire. Generally, during a large-scale disaster, civil engineering structures like buildings, bridges, dams, roads, water supply projects, coastal structures, infrastructure facilities etc are severely affected, causing immense inconvenience to people and disrupting routine life. Prevention of natural disasters is not possible but reduction in the undesirable effects of disasters can be the only way to cope with them. Natural disasters identify the mistakes made in the process of development of civil engineering structures in that particular locality and teach important lessons for the future. If the learning from such undesirable events is utilized, hazardous effects can be reduced in the coming years. The one week workshop, aims to address this burning issue by bringing forth students, academicians, research scholars and industrialists and conduct brain-storming sessions under a common roof. Thus, the prominent objectives of this workshop are as follows

1. To have an integrated, comprehensive, multi-disciplinary approach on the study of disaster mitigation and thereby attempt for a clear delineation of hazard vulnerability.
2. To stress upon the major issues pertaining policy making, role of civil engineering management at different positions and similar issues at various levels and thus to enhance general awareness amongst the youth.
3. To motivate students to take up research career in the field of disaster management and engineering structures safety studies, thereby making some positive contribution towards the betterment of the city, state and the nation at large.

## **About ATAL Academy**

AICTE Training and Learning (ATAL) Academy is established with the vision “To empower faculty to achieve goals of Higher Education such as access, equity and quality”. ATAL academy will conduct a series of workshops in thrust areas identified by AICTE.

## **About the Institute**

IPS Academy, Institute of Engineering & Science A UGC Autonomous Institute, Affiliated to RGPV is one of the leading private self financing institutes devoted to imparting quality engineering education with the sole motto of “Knowledge, Skill & Values”. The institute was established in 1999 and Ranked 42 among the Top Engineering Colleges in country and 32 among the Private Engineering Colleges in country by Times of India and is top preferred institute for education amongst self financing institute in MP by CSR .

We offers 10-UG & 8-PG programs out of which UG Programmes Accredited by NBA New Delhi

## **About the Department**

The oldest and most elegant branch of engineering profession is Civil Engineering due to the fact that is related to almost all aspects of civilization. The Department was established in 2004. Now Department has M.Tech.in Structural Engineering and Construction & Planning Management. The Deptt. is equipped with more than 15 laboratories and computer centre for Research & Development, teaching, training & consultancy. Two Labs are supported by MODROBS. Weather Station installed by department to monitor temperature, humidity, soil moisture, wind velocity, rainfall etc. Three Patents approved and Seven Books Published by the Department. Five Linka book records registered by the Students. UG Program is accredited by NBA New Delhi.

The Civil Engineering Department with its multifaceted faculty continues to maintain and cultivate its strong links with the infrastructural industry and academic and research institutions both within and outside the country.



## Course Contents

- Disaster Management
- Eco system Resilience
- Introduction to IS 1893 2016 and IS 13920 2016
- Earthquake Engineering
- Geospatial Mapping
- Hazard Management
- Landslides and disaster Management
- Disaster Risk Reduction
- Land Slide Hazard Assessment
- Structure Strength Assessment Methods
- Advancements in Earthquake Engineering
- Stress Management



## Tentative Schedule of Technical Sessions

Date/Day	Session I 11am -12.30pm	Session II 12.30pm -2.00pm	Session III 2.30pm -4.00pm
21/09/2020	Dr. Anil. K. Gupta (Professor, NIDM Delhi) Disaster Management (Keynote Session)	Dr. V Joseph (Dy. Director, DMI Bhopal) Disaster Management (Keynote Session)	Mr. Rajeev Nair (AICTE) Stress Management
22/09/2020	Dr, Manish Goyal (Associate Professor, IIT Indore) Flood Resilience	Dr. R. K. Khare (Professor, Shri GSITS, Indore) Introduction to IS 1893 2016 and IS 13920 2016	Dr. Amit Sharma (Professor, IPS Academy, IES) Earthquake Engineering
23/09/2020	Dr. Chandrani Bahdhopadhyay (Associate Professor, NIDM Delhi) Geospatial Mapping	Dr. Dilip K Singh (Dy. Director, MPSDMA, Bhopal) Hazard Management	Dr. Surya Prakash (Professor, NIDM Delhi) Landslides and disaster Management
24/09/2020	Dr. Sushma Guleria (Assistant Professor, NIDM Delhi) Disaster Risk Reduction	Dr. Neelima Satyam (Associate Professor, IIT Indore) Land Slide Hazard Assessment	Dr. Raju Sharma (Assistant Professor Thapar Institute of Engg & Tech , Punjab) Structure Strength Assessment Methods
25/09/2020	Dr. Major Chaitanya Sanghvi (Professor, L.D. College of Engineering, Ahmedabad) Advancements in Earthquake Engineering	Dr. Major Chaitanya Sanghvi (Professor, L.D. College of Engineering, Ahmedabad) Earthquake Lab Session	Test  Feedback & Valedictory

### **Chief Patron**

Ar. Achal K. Choudhary  
President, IPS Academy, Indore

### **Patron**

Dr.A.G.Kothari  
Advisor, IPS Academy  
Institute of Engg.& Sc.

Dr.Archana Keerti Chowdhary  
Principal, IPS Academy  
Institute of Engg.& Sc.

### **Advisory Committee**

Dr.Rakesh Khare  
Dr.Neelima Satyam  
Dr. Keerti K.Chowdhary

Dr.A.N.Patel  
Dr. Vasily Golubev  
Ms.Swatilekha Guha

### **Members**

Dr.Devaanshi Jagwani  
Mr.Harshit Jain  
Mr. Rajesh Chaturvedi  
Mr. Apoorv Sharda  
Mr.Arpit Sethiya  
Mr. Lalitesh Sinha  
Ms. Pallavi Gupta  
Mr. Praveen Devra

Dr.Veena Bauntial  
Ms.Richa Jain  
Mr Ashish Nim  
Mr. Diwakar Singh  
Mr.Harish Dwivedi  
Mr. Vijay Baradiya  
Ms. Anjuri Shrivastava  
Mr. Pratyush Motwani

Registration: <https://atalacademy.aicte-india.org/signup>

**No Registration Fee.**

### **Convener**

Dr. Amit Sharma  
E-Mail: amitsharma@ipsacademy.org

Mo: +91 9926424474