Short Course

on

Revised Codal Provisions of IS 1893(1):2016 on Earthquake Resistant Design of Buildings

04 – 06 July 2019 at RGMCET, Nandyal

ABOUT COURSE

India has experienced several earthquakes in the past few decades, e.g., Bihar-Nepal border (M6.4) in 1988, Uttarkashi (M6.6) in 1991, Killari (M6.3) in 1993, Jabalpur (M6.0) in 1997, Chamoli (M6.8) in 1999, Bhuj (M6.9) in 2001, Sumatra (M8.9) and Kashmir (M7.6) in 2005. More than 1,00,000 fatalities occurred due to collapse of buildings during these events. The Indian Seismic Code IS: 1893 indicates that about 60% of country's land area is under threat of moderate to severe earthquake shaking. Even when the earthquake hazard is highlighted, the lack of knowledge on earthquake-resistant design and construction practices led to considerable damages when exposed to the earthquakes that occurred over the last 23 years. The professionals involved in building construction need to make more efforts towards safety of buildings during possible future earthquake, and eventually eliminate loss of life due to building collapses.

Building construction is booming in India. Before more buildings are built in seismic zones of the country with current methods of design and construction practices, the minimum expected effort is to make the new buildings earthquake-resistant. Several earthquake-safety related issues need attention in the planning, design and construction of these buildings. All these stem from the expected earthquake behavior of buildings. Some of these items are still unresolved even in countries with advanced seismic design provisions, like USA and Japan. Researchers worldwide are continuously working towards development of techniques for improving earthquake safety of buildings. In India, the effort is still in the nascent stages. Even though design codes exist in the country, they are not practiced as intended. Currently, achieving the code compliance is a major challenge for municipal bodies. Code compliance will get an impetus when building professionals internalize the need for earthquake safety. And, building professionals will be able to take ownership only through education.

ABOUT RGMCET

The college was established in 1995. It has been setup with an aim of achieving technological excellence through innovation and with a motto of "EDUCATION for PEACE". It is approved by AICTE, NAAC of UGC with 'A+' Grade, New Delhi, Affiliated to JNTUA Ananthapuramu and most of the departments are accredited by NBA, New Delhi. College has been Conferred Autonomous Status from UGC in the year 2010 & renewed in 2016. This was one of the three best performing private Engineering Colleges of AP and was selected to participate in World Bank Aided, Govt. of India's Technical Education Quality Improvement program. This was the first private Engineering College affiliated to JNTU at U.G and P.G levels. College has secured 11 prestigious Gold Medals including the gold medal for the best outgoing of all branches of all Engineering Colleges of JNTU in Andhra Pradesh. 18 batches graduated from this college so far. The institute possess excellent infrastructure and instructional facilities to cater the needs of all program offered and to carry out the research work.

ABOUT SCE

The School of Civil Engineering in RGMCET is a well established department in terms of infrastructure facilities viz., class rooms, state of the art laboratories, highly qualified faculty, a lot of academics activities such as seminars, conferences, etc., are conducted often apart from intensified research in various domains of civil engineering. These types of academic activities would add up to the reputation and popularity of the department. Any one pursues UG, PG and Ph.D by research will develop knowledge, skills, competency and also professional ethics and values.

The department possesses well qualified and experienced senior professors and teaching faculty who all can lead the students to become knowledgeable and competent engineers in their professional careers. The department was started in the year of 2008 at present with an intake of 180 students per year. The PG course M.Tech in Structural engineering was started in the academic year 2014 with intake of 18. Many faculties are pursuing their research in the department pertaining to their specialization. Any aspirants who wish to study B.Tech or M.Tech course in RGMCET can feel proud that the level of education is on par with highly reputed technical institutions in India.

PROGRAM SCHEDULE

04 July 2019

- ✓ Session 1: Introduction to Earthquake Engineering
- ✓ Session 2: Amendments in Revised IS 1893(1):2016
- ✓ Session 3: Lateral Load Analysis of Building using IS 1893 (Part1): 2016
- ✓ Session 4:Earthquake Behavior of Buildings – I

05 July 2019

- ✓ Session 1: Earthquake Behavior of Buildings – II
- ✓ Session 2: Introduction to Structural Dynamics
- ✓ Session 3: Dynamic Analysis of a Building-I (Time History Analysis)
- ✓ Session 4: Dynamic Analysis of a Building-II (Response Spectrum Analysis)

06 July 2019

- ✓ Session 1: Desirable Attributes of Earthquake Resistant Building
- ✓ Session 2: RC Frame Building with Unreinforced Masonry Infill Walls
- ✓ Session 3: Role of Civil Engineering in Society
- ✓ Session 4: Feedback & Certificate Distribution

REGISTRATION FEE

B.E/B.Tech/M.E/M.Tech Students: Rs. 500/-; Research Scholar: Rs. 750/-; Faculty: Rs. 1000/-; Industry: Rs. 2000/-

Last date for Registration: 25 June 2019
Registrations seats are limited to 40

Registration fee includes:- Course Material, Participation Certificate & Lunch. Payment of registration fee should be made by demand draft or on par cheque in favor of "HOD CIVIL ENGINEERING ".

Chief Patron
Dr. M. Shanthi Ramudu, Chairman

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Mr. M. Shivaram, Managing Director

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Dr. T. Jayachandra Prasad, Principal

Vice-Chairman
Dr. G. Sreenivasulu, HSCE

Convenor & Course Faculty
Dr. Chenna Rajaram, Asst. Prof

Co.Convenor
Mr. B. Bhaskar, Asst. Prof

Organizing Committee
Dr. M. Sunandana Reddy, Asso. Prof
Dr. Joel Shelton, Asst. Prof
Mr. C. Krishnama Raju, Asso. Prof
Mr. B. Naga Kiran, Asso. Prof
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Mr. J. Phanibhushan Reddy Asst. Prof
Mr. B. Harshavardhan Chowdhary, Asst. Prof
Mr. K Usenaiah, Asst. Prof
Mr. Epapra, Asst. Prof

SCHEDULE

9:30-11:00	11:00-11:30	11:30-13:00	13:00-14:00	14:00-15:30	15:30-16:00	16:00-17:30
Session-1	Tea Break	Session-2	Lunch	Session-3	Tea Break	Session-4

ADDRESS *for* COMMUNICATION

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NANDYAL - 518 501, INDIA

Online Registration Link:
https://docs.google.com/forms/d/e/1FAIpQLScieMXaFV5-vzmqwpVCMgh-cnOVauhoP6X9iY4B6mAfcjFNiQ/viewform

Organized By

School of Civil Engineering

R. G. M College of Engineering and Technology (Autonomous),
Nandyal 518 501, A. P., INDIA
(Affiliated to J. N. T. University, A. P., INDIA)
(Approved by AICTE, Accredited by N.B.A, New Delhi, NAAC-A+ Grade)

EDUCATION FOR PEACE
(ESTD-1995)

DEPT. OF CIVIL ENGG.