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Academic Institutions	Rs. 500/-	Rs. 750/-
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e-Souvenir: A technical e-Souvenir will be published on the occasion of Two-day All India Seminar for distribution to the delegates as well as to various related organizations/institutions. The tariff is as follows:

Inside Full Page Rs.15,000/- Inside half page Rs.7,500/-

Interested parties may send the softcopy (MS word format) of advertisement along with **DD/At par Cheque** to the mail IDeivlc@yahoo.co.in or gec.ceb09@gmail.com on or before 4th July 2015.

Payment: All payments are to be made through crossed Demand Draft / At par Cheque, drawn in favour of "The Institution of Engineers (India), payable at Vijayawada".

Important Dates:

Submission of Papers/ Posters	: 4 th July 2015
Acceptance of Papers/ Posters	: 5 th July 2015
Confirmation of Papers/ Posters	: 7 th July 2015
Registration of all participants	: 9 th July 2015

**REGISTRATION FORM
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The Institution of Engineers (India)

95 years of Relentless Journey towards
Engineering Advancement for Nation Building

**All India Seminar
on**

**Recent Developments in Retrofitting,
Repairs and Rehabilitation of Structures**

11th – 12th July, 2015

**Organized by
The Institution of Engineers (India)
Vijayawada Local Centre**

Under the Aegis of
Civil Engineering Division Board, IEI

In association with
**Department Of Civil Engineering
GUDLAVALLERU ENGINEERING COLLEGE
Gudlavalleru**



**Venue: GUDLAVALLERU ENGINEERING COLLEGE
(Autonomous)**

**Sheshadri Rao Knowledge Village, Gudlavalleru, Krishna
district Andhra Pradesh 521356**

08674-273737, www.gecgudlavalleru.ac.in

About The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of above 0.7 million. Established in 1920, with its HQs at 8 Gokhale Road, Kolkata 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honor. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from over 104 Centers located across the country. The Institution has established R&D Centers at various locations in the country and also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A& B Examination in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Govt of India. Every year as many as 90,000 candidates appear for these exams. For details, please see: www.ieindia.org.

About The Institution of Engineers (India), Vijayawada Local Centre

This centre was established in April, 1977 in a shed located in the Irrigation Offices compound. Later, with the donations raised, a small wing was constructed during 1980. Initially this centre was called as Sub-Centre, based on its membership strength. Due to increase in membership strength, this center has been elevated to that of Local Centre during 1989. When it was established the jurisdiction was Krishna, Khammam, East & West Godavari Districts. Later, due to establishment of new centers at Kakinada, Khammam & Warangal Districts, and defunct of certain centers i.e., at Khammam and Nagarjuna Sagar, the jurisdiction of this centre re-arranged and presently the following districts are under the jurisdiction of this centre viz Krishna, West Godavari, Guntur and Prakasam and as on 30th September, 2014 the Corporate Membership is around 2,111 and non-corporate members i.e., Senior Technicians / Technicians are 8,386.

This Local Centre has been actively organizing its activities like Seminars, Symposia, Round Table Conferences, Workshops and related activities that are useful to the general public regularly, besides conducting AMIE Examinations to the aspiring students. The first Chairman of this centre was Er. PM Das, FIE, the then General Manager of The Andhra Cement Company

Ltd,Vijayawada and the first Honorary Secretary was Er. TV Raghava Reddy, MIE, the then Superintending Engineer of Irrigation Department. From then onwards to till date nearly 23 Chairmen and Hon. Secretaries were hold the posts respectively. Since the entire library which consists of valuable Project Reports, Reference Books, Text Books and other important books have been donated by the then Hon'ble Minister for Irrigation & Power, Govt. of India **Padmabushan Dr. KL Rao**. We had great opportunity to receive some contribution also from **Dr. KL Rao** for construction of our buildings. It is also a great privilege to have his lecture meeting at our premises during 1984.

Gudlavalleru Engineering College

The college is promoted by AANM & VVRSR Educational Society,Gudlavalleru and was established in 1998.The college is situated in Gudlavalleru, a rural area surrounded by lush green fields, providing serene atmosphere to learners. The college offers B.Tech programmes in six branches of Engineering, viz, Electrical & Electronics, Mechanical, Electronics & Communication, Computer Science, Information Technology, and Civil. It also offers PG programmes in M.Tech and MBA. The college is permanently affiliated to JNTU Kakinada and obtained Autonomous status by U.G.C from 2014 for a period of six years. All eligible branches of engineering are accredited second time by NBA of AICTE, New Delhi, and also accredited by NAAC, New Delhi.

The Institution is continuously striving for its excellence by adopting changes as and when required to improve the systems, practices and performance..The college is located at a distance of 12 kms from Gudivada, 22 kms from Machilipatnam, 58 kms from Vijayawada.The nearest airport is at Gannavaram (Vijayawada).

About The Department

The Department of civil Engineering started in the year 2009 has been offering a full time four year B.Tech Degree course, and a two year M.Tech. programme in "Structural Engineering". It has good infrastructural facilities like well equipped laboratories, library, qualified & dedicated faculty and technically sound supporting staff. It is continuously striving to impart quality education and enhancing competitive spirit among students for academic excellence. Active participation of faculty in research and consultancy, securing good results in university examinations and prizes in Technical paper contests at National level competitions by students reflect the aspirations of the department.

About the seminar:

Most of the former part of the twentieth century was devoted by engineers to develop methods of analysis and construction techniques of different kinds of structures. Engineer with all his attention on finding new methods of analysis and construction paid little attention on retrofitting, repairs and rehabilitation of structures. Apart from damage to structures against Natural Hazards like earth quakes, Tsunamis, Cyclones, Fire etc., deterioration of concrete and other structures due to lack of skilled workmanship and quality of materials is also very serious problem in construction industry. These

days important structures such as bridges, towers, high rise & low rise structures and monuments have shown sign of distress in a major way or in a minor way due to corrosion and other environmental impacts. Even masonry structures, if not attended regularly, undergoes distress resulting in appearance of cracks and sometimes become unfit for use.

It is urgently needed to apply the available methods or develop new techniques for repairs and rehabilitation of structures. Retrofitting of existing structures also gained importance to reduce the vulnerability of damage against distressing sources. Not satisfying the requirements of the current codes is also concern to deterioration of structures. In this programme the traditional and modern techniques of repairs, rehabilitation and retrofitting of structures and the applications will be discussed.

Themes:

- **Disaster Management**
- **Vulnerability Assessment**
- **Retrofitting Methods**
- **Repairs and Rehabilitation of structures**

Objectives:

1. To search for traditional and modern methods of repair, strengthening and upgrading of reinforced structures Air Vehicles, Ground Vehicles, Water Surface Vehicles and Underwater Vehicles
2. Analysis of case studies on damage Identification and repair
3. Making Buildings safe Against wind, earthquakes and tsunamis
4. Repair and Retrofit of Non-engineered Buildings
5. Retrofit and Rehabilitation of Historical and Heritage Structures
6. Retrofit of Reinforced Concrete and steel Structures.
7. Repairs and Retrofit of Foundations
8. Rehabilitation of Existing Structures Using new Composite Materials

Convener:

Dr. P Kodanda Rama Rao, FIE, VJLC, EC member

 9848779130, E-mail: krr.pusala@gmail.com

Call for Papers/ Posters: Presentation of **Papers and Exhibition of Posters** are also planned. The **Paper/ Poster** template can be obtained from IEI Vijayawada Local Centre / GEC website. Soft Copy of completed paper/posters can be mailed to the convener on or before 4th July 2015. The colour printed poster on Flex material of 3' x 4 'height should be brought by the Participant to the venue by 8 am on 11th July 2015.

Participation: Faculty members from Colleges and Universities/Institutions, Engineers and Scientists from Industry and R&D Organizations, Senior Technicians / Technicians of IEI, Students of B.Tech/ BE /M.Tech/ME/Ph.D. are eligible to participate. Participants can download Brochure and registration form from www.ieivjlc.com or www.gecgudlavalleru.ac.in