



INDIA CHAPTER OF ACI

India Chapter
of American Concrete Institute

IC-ACI STUDENTS' ESSAY COMPETITION - 2019

FOR YOUNG ENGINEERING STUDENTS

Topic

' Design and Quality

Assurance for Durability of

RCC Construction '



LAST DATE TO SUBMIT ENTRIES: - 8th FEBRUARY, 2020

REFER COMPETITION GUIDELINES TO PARTICIPATE

India Chapter of ACI

2-3 Nagree Terraces, Soonawala Agiary Road, Mahim (West), Mumbai - 400 016

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E-mail: infoicaci@gmail.com Web: www.icaci.com

**Invitation for
IC-ACI Students' Essay Competition – 2019**

on

' Design and Quality Assurance for Durability of RCC Construction '

Dear sir,

We cordially invite Students of Civil Engineering/Institute to participate in the Essay Competition, 2019 on the topic 'Supervision of Concrete Works'. **The last date for the submission of the entries is 8th FEBRUARY, 2020**, as per guidelines given.

The competition is only for Students of Civil Engineering College/student's chapters of ACI in the following categories.

- (a) Members of Students chapters of IC- ACI.**
- (b) Students of Civil Engineering Disciplines.**

Any institute not having Students chapter of ACI, are welcome to, initiate modalities for initiation of "Students" Chapter of IC-ACI, at their institute. Winners will be awarded attractive trophies and given publicity through the Chapter's Journal, and other technical journal and chapter website. Winners will be individually notified of the results by Email.

Awards to the students will be given on a special ceremony and will be updated to participants through Email.

We look forward to your participation, for which there is no entry fee.

Thanking you,

Yours faithfully,

SATISH C. DHUPELA
Past President
India Chapter of American Concrete Institute
Principal co-ordinator

MUMBAI

Prof. V. B. Vanvari
Shri Bhaghubhai Mafatlal Polytechnic
Mumbai.

RAJKOT

Prof. Ankur Bhogayata
Marwadi Education
Foundation's Group of
Institute, Rajkot, Gujarat.

PERUNDURAI (ERODE)

Dr. G.S. Rampradheep
Kongu Engineering College,
Perundurai, Erode Dist,
Tamilnadu.

VAIKKAALMEDU (ERODE)

Dr. E.K. Mohanraj
Nandha Engineering College,
Vaikkalmedu, Erode,
Tamilnadu

BHUBANESWAR

Dr. Ms. Indrani Chattopadhyay
C.V Raman College of Engineering,
Bhubaneswar

COIMBATORE

Prof. Eliyaraja Sellappan
PSG Institute of Technology and
Applied Research, Coimbatore

NAGPUR

Prof. Prashant Pawade
G.H. Rasoni College of Engineering,
Nagpur.

PORT BLAIR

Prof. Jenson Daniel
Dr. B.R. Ambedkar Institute of Technology,
Port Blair.

NERUL (NAVI MUMBAI)

Ms. Priyanka Jadhav
Terna Engineering College,
Navi Mumbai.

KOLHAPUR

Prof. Chetan Patil,
Sanjay Ghodawat group of
Institutions, Kolhapur.

TELANGANA, HYDERABAD

Vardhaman College of Engineering,
Shamshabad, Telangana,
Hyderabad.

ABOUT US**The American Concrete Institute (ACI)**

Initially formed as 'National Association of Cement Users' in 1904 and renamed as 'ACI' nine years later. ACI is a leading authority and resource worldwide for the development and distribution of consensus based standards, technical resources, educational and training programs, certification programs, and proven expertise for individuals and organizations involved in concrete design, construction and materials who share a commitment to pursuing the best use of concrete. The Institution functions to improve the 'Design, Construction, Manufacture, and use of Concrete Products and Structures with the motto of "Progress through knowledge"'.

With 98 actively-working Chapters and about 20,000 direct members spread across 112 nations all over the world, ACI has attained the stature of an international organization and is acclaimed as a 'Treasure House on Concrete.' It offers more than 500 technical documents related to concrete and concrete technology and regular upgradation on the subject. These publications are unique and exclusive. With its Headquarters at Farmington Hills, Michigan, USA, it is encouraging Engineering Education, scientific investigation and research by organizing the efforts of its members on a non-profit public service basis, in gathering, correlating and disseminating information.

India Chapter of ACI

Even before there was ACI, Indian Professionals have exchanged information and dissemination of knowledge about concrete technology with the USA from the early days of the 20th century. Our Chapter, established on 26th December, 1979, has today an All India membership of more than 1800 individual and organizational members.

Through its continued and tireless services in organizing seminars, workshops, symposia, technical meetings with professional bodies, special lectures by experts on selected topics and site visits, the Chapter has been bestowed the 'Outstanding Chapter' award for successive years from ACI, USA. It was also awarded 'Outstanding International Activity' status in 1984 and 'Excellent Chapter Award' in 2000 and up to 2017.

The Chapter has a rich technical library for professionals and research scholars; conducts certification course for 'Construction Supervisors' and publishes quality journal and special technical publications to provide up-to-date information on concrete technology. Previously, it has held annual competition for excellence in concrete through tests of concrete cubes, given away tri-annual award of outstanding concrete structures and held interactive meetings with BIS for updating of codes. It is always striving to improve the practice of concrete technology and to take it to new heights in the country.

COMPETITION GUIDELINES

1. Objectives

Concrete is the most common and versatile construction material. Those who deal with concrete need to have 'Hand on' experience and a genuine feel of concrete making, to understand its quality and behaviour. Concrete making with variations in characteristics of cement, proportioning of aggregates, chemistry of material and chemical admixtures, control of water binder ratio is a challenge to any civil engineer. To inculcate the knowledge about Measures for Durability, Making of Good Concrete, Mixing of Concrete, Transportation of Concrete, Ensuring of Firm Formwork, Preventive measures for ensuring loss of Cement Slurry, Placing of Concrete, Vibration/Compaction of Fresh Concrete, Curing of fresh Concrete, Protecting fresh Concrete post laying, Treating of Concrete upon de-shuttering, like hacking/finishing, etc. and such matters as related to 'Supervision of Concrete Works.' The India chapter of ACI would like to encourage young students of civil engineering to experience through these competitions, the art and science of producing good quality concrete.

2. The Competition

Competition encourages the adoption of innovation. The contestant's knowledge and depth of understanding about the issues being addressed will be demonstrated by the quality of their essays. One goal of the contest is to encourage contestants to develop their own perspective on important issues. This perspective should be reflected in their analysis of a complex issue and presentation of clear, concise arguments to support their point of view.

3. Eligibility

The competition is only for students of any Civil Engineering colleges/Student's Chapter of ACI in the following categories.

- a) Students of civil engineering discipline
- b) Members of Students Chapters of IC-ACI

4. Rules

- Essays must not be more than 2500 words in length, submitted in English, type-written in black ink and double-spaced, line and paragraph spacing 1, Font should be "Times New Roman" and of size 12. (No images/ word art / clip art, etc. Only text)
- Only one entry per student per year, and each entry must be the work of only one student.
- Essay entries cannot have already been published.
- Entries after the due date will not be considered.
- Any essays found to be plagiarized will be automatically disqualified and the student will be prohibited from entering any future IC-ACI competitions.
- To be eligible, entries must be works of prose, from 800 to 2500 words in length.
- Winners will be individually notified of the results by email.
- The decisions of the judges are entirely their own, and are final.

5. Submission Procedure

Papers in hard copy may be submitted to India Chapter Office, by either Courier or Post or by Email of India Chapter of ACI at E-mail **infoicaci@gmail.com** with copy marked to **satishcdhupelia@yahoo.com** and attach your essay as a .doc, .docx, or .pdf file format.

Include the following information in the body of the email:

- Writer's Name:
- Membership Number:
- Name of Institute/Polytechnic:
- Course:
- Semester and Year essay was written:
- Email Address:
- Phone #1:
- Phone #2:
- Local Address: