

12. DIVISION-SPONSORED ACTIVITY

The activities sponsored by a Division, which may be hosted by a Centre, are National Convention, All India Seminar, One Day Seminar / Workshop, Round Table, Workshop, Panel Discussion and Continuing Education Course.

12.1 NATIONAL CONVENTION

The National Convention of an Engineering Division is the apex technical activity of the Division itself, which is organized annually to a place decided by the Division Board initially and subsequently approved by the CATE / Council.

12.1.1 Objective

The National Convention, sponsored by a Division, is the apex activity held once a year aiming at achievement of technical and professional growth through intensive technical content and mutual interaction. A National Convention shall seek to achieve maximum involvement and participation of members and non-members as well. This is the activity, which also aims at establishing liaison between the Institution, its members and the policy makers. The organization of a National Convention, therefore, requires full attention of the Host Centre and a long-term planning with adequate support from the HQrs and concerned Division Board.

12.1.2 Nomenclature

This activity shall be designated in the following style.

Sixteenth National Convention of Environmental Engineers

or

Sixteenth National Convention of Metallurgical and Materials Engineers

12.1.3 Programme Outline

A National Convention shall be a multi-activity capsule comprising the following elements:-

- (a) National Seminar
- (b) Memorial Lecture (for details, see **APPENDIX IX**)
- (c) State-of-the-art Lecture
- (d) Felicitation of Eminent Engineers (maximum four persons) #
- (e) Presentation of IEI Young Engineers Award (maximum three persons) ★
- (f) Technical Visit and Technical Exhibition
- (g) Workshop / Round Table / Panel Discussion
- (h) Setting up of IEI Information Desk displaying various categories of Membership Forms, copies of IEI publications, IEI Publicity Brochure etc. These materials will be supplied by the HQrs.
- (i) Division Board Meeting
- (j) Maximum 3 to 4 Eminent Engineers should be felicitated in the National Convention ✕
- (k) All the Eminent Engineers who will be selected for felicitation should make a technical presentation in the Convention ✕
- (l) Besides Souvenir / Abstract Book, a Technical Volume may be in the form of hard

- copy or CD should be published in the Convention containing the full text of the technical papers presented during the Convention ✖
- (m) The Young Engineers who will be getting the Award in the Convention also should be requested to present a technical paper in the Convention ✖
 - (n) The Technical Volume / CD should be forwarded to the respective Editor-in-Chief of IEI-Springer Series Journals through IEI Technical Department, so that Editor-in-Chief with its Editorial Board can find out good articles from the technical volume and request the concerned author(s) to upload this paper for journal publication through peer review process ✖
 - (o) Additionally, CATE has recommended that soft copy of the Proceedings should be sent by the Centres to Headquarters, who in turn will send those to the Members of that Division Board and will also display it in the website of IEI" ✖

The names of the Eminent Engineers and Speaker(s) of the Memorial Lecture are to be finalized by the Host Centre in consultation with the Chairman of the respective Division Board. The formal invitation to the Eminent Engineers and Speaker(s) of the Memorial Lecture should be made by the Host Centre with a copy to the Technical Department at IEI HQrs. No TA / DA will be provided from the HQrs to the Eminent Engineers and Speaker of the Memorial Lecture for attending the Convention.

As a customary, plaques are presented to the Eminent Engineers and Speaker(s) of the Memorial Lecture. These plaques are prepared by the HQrs as per the prescribed design and format. The Centre should forward details of the Speaker(s) of Memorial Lecture and Eminent Engineers for preparation of the plaque. The cost of the plaques will be borne from the grant of the National Convention.

- ★ ***This Award was instituted in 2008 with a view to promote the pursuit excellence in the field of engineering. The Award consists of Rs.10,000/- and a Certificate for each awardee. The recipients of IEI Young Engineers Award are eligible for reimbursement AC-3 tier fare by train in the shortest route. (if no AC-3 tier ticket is available then AC-2 tier fare will be reimbursed). Cost of Awards, Certificate and Train Fare will be borne by the HQrs [Modalities and guidelines of IEI Young Engineers Award given in APPENDIX X]***
- ✖ *(j) to (o) have been approved at the 680th Meeting of the Council, Coorg, Karnataka, held during March 22-23, 2014.*

12.1.4 **Planning**

Proposal for holding a National Convention will emanate from a Centre and shall be processed by the concerned Division Board and the final decision shall be taken by CATE / Council.

The Centre desiring to hold the National Convention shall submit the proposal to the concerned Division Board at least six months prior to the proposed dates of the Convention. The proposal shall contain the following for consideration of the Board.

- Venue (city / town)
- Date (the Council has decided the designated months for organizing the National Convention for each engineering division. Details given in **APPENDIX XI**)
- Theme, Sub-themes of the National Seminar, and a short write up on the theme
- Other activities (Workshop / Round Table / Panel Discussion) to be held concurrently with the Convention

A format for sending proposal is given in **APPENDIX XII**.

12.1.5 **Responsibility**

The primary responsibility for planning and organizing a National Convention shall rest with the Host Centre. Implicit support of the Chairman of the concerned Division Board and the HQrs will be available.

For smoothness in organization of this national event, the Host Centre shall constitute the following Committees.

- National Advisory Committee
- Organizing Committee
- Technical Committee

The Host Centre may organize the National Convention in association with reputed Engineering Colleges / Institutes.

National Advisory Committee

This Committee comprises President of IEI as its Chairman, the Chairman of the Division Board as its Co-chairman and a Corporate Member (attached to the Host Centre and also the concerned Division) as its Convenor.

The members of the Committee shall be nominated by the Host Centre from amongst persons of all India status and shall include all members of the concerned Division Board and the Honorary Secretary of the Host Centre (if he / she is not the Convenor).

This Committee shall provide guidance for structuring the technical programmes, selection of Session Chairmen, Keynote Speakers, State-of-the-art and Memorial Lectures' Speakers and the persons to be honoured at the Convention under the banner "Felicitation of Eminent Engineers".

This Committee may not meet frequently and the suggestions of the members may be made through correspondence only.

Organizing Committee

The Organizing Committee shall be constituted with the Chairman of the Host Centre as its Chairman and one Corporate Member (attached to the Host Centre and also the concerned Division) as the Organizing Secretary. The members of the Committee shall include local Corporate Members.

To make this Committee effective, representatives of the government departments, public bodies, industries, educational institutions, etc should be co-opted in it.

This Committee shall be responsible for all works related to the Convention.

The Chairman of the concerned Division Board and the HQrs shall be kept informed about major details of the programme as may be finalized by the Organizing Committee from time to time.

Technical Committee

A Technical Committee shall be constituted by the Organizing Committee to scrutinize the synopses of the articles as may be received from authors. The decision of the Technical Committee shall be communicated to those authors whose synopses are accepted and they shall submit the full text with all tables, diagrams, etc to the Host Centre well ahead of the dates of National Convention.

12.1.6 Resource Mobilization

- Grant from the Division Board (**Appendix IV**)
- Registration fees to be paid by delegates
- Contributions of other organizations as Patrons, Co-sponsors, Collaborators, Donors or Associates
- Charges collected from the advertisers in the Seminar Volume / Souvenir, published by the Host Centre
- Technical Exhibition

12.1.7 Convention Document

A publication containing the proceedings/e-proceedings should be brought out. The detailed report with photograph of the Convention should be sent to the HQrs within 15 days after completion of the Convention. The Host Centre may also publish a souvenir / Proceedings on the occasion.

12.1.8 Programme Structure

The duration of National Convention may be two or three days and the programme shall include the following:-

(i) Inaugural Session to have

- Welcome Address by the Chairman of the Host Centre
- Address by the President, IEI (if present)
- Address on the theme of National Seminar by the Convenor
- Address by the Chairman of the Division Board
- Address by the Special Guests (if any)
- Inaugural Address by the Chief Guest
- Felicitation of Eminent Engineers
- Presentation of IEI Young Engineers Award
- Vote of thanks by the Organizing Secretary/Honorary Secretary of the Host Centre

This session shall be presided over by the Chairman, Division Board

(ii) **Memorial Lecture and State-of-the-art Lecture shall follow the Inaugural Session**

- Technical Sessions of the National Seminar
- Workshop or other technical events.

(iii) **Valedictory / Concluding Session to have**

- Welcome Address by the Chairman of the Host Centre or the Technical Committee
- Reporting on the Technical Sessions by Rapporteurs / Session Chairmen
- Finalization of Recommendations
- Vote of thanks by the Organizing Secretary / Honorary Secretary

This session shall be presided over by the Chairman of the Host Centre and the Chairmen of the Technical Sessions shall be present on the dais. For each Technical Session, there shall be one Chairman, one Co-chairman (Optional) and one Rapporteur.

12.1.9 **Publicity**

Publicity for a National Convention shall be made primarily through web and the IEI News. The Host Centre may, however, adopt other avenues for publicity of the Convention at the national and state levels by contacting various government departments, public bodies, industries, educational institutions, etc. Participation should also be initiated from foreign societies with which the Institution has bilateral agreements or any other formal relationship. After obtaining the approval of the proposal by Division Board / CATE / Council, the Centre will prepare the First Information Brochure as per the format given in **APPENDIX XIII** (Standard Brochure / First Information Brochure) and will forward 5 copies of the same to Technical Department for further action.

12.1.10 **Selection of Articles for National Seminar**

The persons desirous of presenting articles may be advised to submit synopses of their articles to the Host Centre, which will be scrutinized and finalized by the Technical Committee.

12.1.11 **General**

The Host Centre must send a complete report of the Convention on the prescribed format (**APPENDIX XIV**) and a few photographs within 15 days from the date of culmination of National Convention to the HQrs.

A detailed report of the Convention highlighting the technical content of the speeches

delivered by the dignitaries, such as, Chief Guest, Guest-of-Honour, Keynote Speaker, Memorial Lecture Speaker, etc, along with photographs and copies of Souvenir / Proceedings should be sent to the HQrs for publication in the IEI News.

The recommendations emanated from the Convention be forwarded to the Core Group constituted by the concerned Division Board and approved by CATE / Council. The approved Guidelines for constitution of Core Group is given in **APPENDIX III**.

For details of Seating Plans and Format of Invitation Card, please see **APPENDIX VII** and **APPENDIX VIII**, respectively.

12.1.12 **Grants Available for National Convention**

The grant for the National Convention is Rs 1,50,000/- for each Division. Out of this grant, a sum of Rs 1,05,000/- shall be given as the grant to the Centre hosting the National Convention and the balance Rs 45,000/- shall be at the discretion of the Chairman of the Division Board for meeting such expenses, connected with the National Convention, as are found to be necessary.

The grant shall be released in two installments to the Host Centre as follows: Rs 55,000/- on receipt of printed information brochure and Rs 50,000/- at the time of the Convention. The Chairman's Discretionary Fund amounting to Rs 45,000/- will be released to the Host Centre after completion of the Convention and after deduction of the expenses incurred by the HQrs for the Convention (e.g. preparation of plaques for Speaker of Memorial Lecture and Eminent Engineers etc) and conformation of necessary formalities.

No part of this grant shall be used for travelling.

The quantum of grant may be revised by Council time-to-time.

**GUIDELINES FOR THE CORE GROUP OF THE ALL INDIA SEMINARS
AND NATIONAL CONVENTIONS**

**(Approved by the Council at its 676th Meeting held at Ranchi during June 29-30,
2013)**

1.0 Formation of the Core Group

Each Divisional Board will form a Core Group (Expert Committee) consisting of eminent engineering personalities from all over the country and abroad in that particular discipline, who may or may not be Member of IEI.

2.0 Planning

The number of experts may be limited to five for larger Divisional Boards (CVDB, ELDB and MCDB) and three for smaller Divisional Boards. Chairmen of Divisional Boards will approach the experts to obtain their consent in this regard.

The Divisional Board will prepare a list of persons / organizations whom recommendations will be forwarded.

3.0 Tenure of the Core Group

The tenure of the Core Group will be for at least two years.

3.0 Responsibility

3.1 On completion of National Conventions / All India Seminars, Host Centre will forward the recommendations arising out of the all India activities along with five copies of proceedings, report and photographs to IEI HQrs. Those recommendations will be discussed in the Divisional Board Meetings and after necessary discussion / amendment, same will be sent to the Core Group for their views/comments. After receiving comments from Core Group the same will be finalized by the Chairman of Divisional Board and those will be sent to the persons / organizations (as recommended by Divisional Board) for their perusal and necessary action.

3.2 Recommendations as approved by the Division Boards will be published in IEI News and IEI website for wider visibility.

3.3 Divisional Boards will place those recommendations in CATE Meeting for noting.

FINANCIAL NORMS FOR ALLOCATION OF FUNDS

(Ref Clause No. 22.0 of Financial Norms and Rules of IEI dated August 15, 2013)

GRANTS FOR TECHNICAL ACTIVITIES

The Division Boards are given a grant for

- (a) Technical Activities (All India Seminar / Workshop) based on its Membership Strength as follows :

Corporate Membership Strength ★	Grant
Up to 1000	Rs 100,000/-
1001 to 2000	Rs 1,15,000/-
2001 to 5000	Rs 1,25,000/-
5001 to 10 000	Rs 1,40,000/-
10 001 and above	Rs 1,50,000/-

★ as on March 31 of the preceding year

N.B.: However, the grant for Division Board sponsored Two-Day activity will not exceed Rs.20,000/- and for One Day activity Rs 10000/-.

- (b) National Convention

The grant for the National Convention is Rs 1,50,000/- for each Division. Out of this grant, a sum of Rs 1,05,000/- shall be given as the grant to the Centre hosting the National Convention and the balance Rs 45,000/- shall be at the discretion of the Chairman of the Division Board for meeting such expenses, connected with the National Convention, as are found to be necessary.

The grant shall be released in two installments to the Host Centre as follows: Rs 55,000/- on receipt of printed information brochure and Rs 50,000/- at the time of the Convention. The Chairman's Discretionary Fund amounting to Rs 45,000/- will be released to the Host Centre after completion of the Convention and after deduction of the expenses incurred by the HQrs for the Convention (e.g. preparation of plaques for Speaker of Memorial Lecture and Eminent Engineers etc) and conformation of necessary formalities.

No part of this grant shall be used for travelling.

GRANT FOR INDIAN ENGINEERING CONGRESS TO HOST CENTRE : Rs 16,00,000/-

GRANT FOR IEI CONVOCATION AND TECHNICIANS' / STUDENTS' CONVOCATION TO HOST CENTRE : Rs.4,00,000/-

The Council may revise the quantum of above grants time-to-time.

SEATING PLANS

NATIONAL CONVENTION

Inaugural Session

1	2	3	4	5	6	7
Organizing Secretary	Chairman, Host Centre	Chairman, Division Board	President, IEI	Chief Guest	Convenor, Technical Committee	Honorary Secretary, Host Centre

Valedictory Session

1	2	3	4	5	6
Organizing Secretary	Chairman, Host Centre	Chairman, Technical Committee	Chairman, Division Board	Convenor, Technical Committee	Honorary Secretary, Host Centre

APPENDIX VIII

FORMAT OF INVITATION CARDS FOR NATIONAL CONVENTION OF ENGINEERING DIVISIONS

**NATIONAL CONVENTION
Inaugural Session**

The Chairman and the Members of Engineering Division Board and the Chairman and the Members of the Committee of the Centre of The Institution of Engineers (India) request the pleasure of your company at the Inaugural Session of the National Convention of Engineers at (venue) at am / pm on (date). has kindly consented to be the Chief Guest and to inaugurate the National Convention of Engineers.

RSVP

.....

MEMORIAL LECTURES AT NATIONAL CONVENTIONS

AG	Rathindranath Tagore Memorial Lecture	
AR	T S Narayana Rao Memorial Lecture	
AS	Dr Vikram Sarabhai Memorial Lecture	
CH	Acharya Prafulla Chandra Ray Memorial Lecture	
CP	M S Ramanujan Memorial Lecture	
CV	Dr K L Rao Memorial Lecture	
EL	M S Thacker Memorial Lecture	
EN	N V Modak Memorial Lecture	
ET	Prof S K Mitra Memorial Lecture	
MC	Dr S C Bhattacharyya Memorial Lecture Dr S P Luthra Memorial Lecture	} ★ Simultaneously
MM	V Subramony Memorial Lecture	
MN	Prof S K Bose Memorial Lecture	
MR	Rear Admiral T B Bose Memorial Lecture	
PR	F W Taylor Memorial Lecture G C Sen Memorial Lecture	} Simultaneously
TX	S N Bhaduri Memorial Lecture Dr B K Chakrabarti Memorial Lecture	} Alternate year

★ against the J P Jain Endowment Fund

RATHINDRANATH TAGORE MEMORIAL LECTURE

Rathindranath is the son of poet Rabindranath Tagore. He was born in Calcutta on the November 27, 1888. He was one of the first batches of five students at Santiniketan in 1901. Educated at Santiniketan and also privately under the guidance of his illustrious father, he was initiated to the rural development work at Sriniketan. He went to the USA for higher studies and training in agriculture as his father thought it would help him to work in rural India better. Rathindranath graduated in Agriculture from University of Illinois, USA in 1910 and specialized in rural craft besides agriculture. He travelled extensively in England and the USA in 1912 to gather experiences in agricultural extension work. He played a leading role in establishing agricultural and rural extension centre at Sriniketan. In 1921, Rathindranath became the General Secretary of Visva Bharati Society. He became the first Vice-Chancellor of Visva Bharati in 1951 when it was incorporated as a Central University. He retired in 1953 for reasons of health.

He is considered as the first and foremost Agricultural Engineer of the country. He was also a well known artist, craftsman, and author of several books. He breathed his last on the June 3, 1961.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Agricultural Engineers.

T S NARAYANA RAO MEMORIAL LECTURE

T S Narayana Rao was born on the February 7, 1907 in a pastoral family at Arker, near Mysore City. He graduated in Civil Engineering in 1931 from the Government Engineering College of the erstwhile Mysore State. As an apprentice engineer, he worked in Madras with M/s Gannon Dunkerley and Company and subsequently shifted to Bangalore to work under the personal guidance of the late Lakshmi

Narasappa, a reputed Government Architect. He participated in the construction of the Town Hall, Municipal Offices and other highly acclaimed structures in Bangalore.

Backed by a few years of intensive experience in architecture and having an educational commitment to engineering, he felt that it was appropriate to fuse the complementary disciplines of architecture and engineering through private practice. He started practicing as a Consulting Architect and Engineer in 1933 and took the risk inherent in starting a new venture totally foreign at that time to the private sector.

Narayana Rao had the rare privilege of constructing buildings of which Shri Krishna Weaving Mills, Mysore Vegetable Oil Products, Rashtriya Vidyalaya and St Joseph's College Observatory deserve special mention. His work reflected a genetic blend of the architect and engineer in him. His success as a builder and architect was in no small measure due to his capacity to execute masonry, carpentry and plumbing works himself.

He was associated with several Engineering Institutions, ISI (now BIS), etc. As a man, he was highly principled and self disciplined. His honesty and integrity sought expression in his exemplary conduct and behaviour. His services as a man and as a professional are even remembered today with respect.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Architectural Engineers.

DR VIKRAM SARABHAI MEMORIAL LECTURE

Dr Vikram Sarabhai was not only an imaginative and creative scientist but also a pioneering industrialist and astute planner. He made significant contributions in the field of cosmic ray physics and in the development of nuclear power and space programmes. He took up the nuclear programmes with a challenge and added fresh dimensions to the space research programmes in 1966 when he became the Chairman of the Atomic Energy Commission.

Dr Sarabhai was born on August 12, 1919 at Ahmedabad in a rich industrialist family. His early education was in a private school and Gujarat College at Ahmedabad. He then went to Cambridge, England and from St John's College obtained his Tripos in 1939. He came back to India and started research work in the field of cosmic rays with Sir C V Raman at the Indian Institute of Science, Bangalore. In 1945, he went back to Cambridge to carry out further research on cosmic rays and there in 1947 obtained Ph D Degree. It was as early as 1942, Dr Sarabhai conceived the idea of starting the Physical Research Laboratory in Ahmedabad. Soon after his return from Cambridge in 1947, Sarabhai started looking for a place for this project. He got a few rooms at the M G Science Institute to start the laboratory and the laboratory was formally opened in April 1954. Dr Sarabhai made the Physical Research Laboratory virtually the cradle of the Indian Space Programme.

Dr Sarabhai not only encouraged science but also devoted a good deal of time to industry. For over 15 years, he nurtured a pharmaceutical industry.

Dr Sarabhai helped to build the Ahmedabad Textile Industry's Research Association (ATIRA) in 1947. During 1949-56, he remained an Honorary Director of ATIRA. In 1962, he helped to found the Indian Institute of Management at Ahmedabad and during 1962-65, he remained an Honorary Director of this Institute.

Today the success of space programmes in our country is largely owing to the groundwork prepared by him in this regard. Due to his efforts only, India could launch its first satellite, Aryabhata just three and half years after his death.

Dr Sarabhai was a world-renowned figure in the field of space research. He was awarded Bhatnagar Memorial Award for Physics in 1962; Padma Bhushan in 1966 and posthumously Padma Vibhushan. He was elected the Vice-President and Chairman of the U N Conference on peaceful uses of outer space in 1968. He also presided over the Fourteenth General Conference of the International Atomic Energy

Agency. Dr Sarabhai died on December 30, 1971 at the age of 52 when he was at the peak of his achievements.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Aerospace Engineers.

ACHARYA PRAFULLA CHANDRA RAY MEMORIAL LECTURE

Acharya Prafulla Chandra Ray was born on August 2, 1861 in a village in the District of Jessore (now in Bangladesh). After studying for two years at Metropolitan College, Calcutta, he received a scholarship from the University of Edinburgh where he obtained a B Sc degree in 1885 and two years later, a D Sc degree for his research in inorganic chemistry. In 1889, he got a special appointment as a Lecturer at Presidency College, Calcutta and became Professor of Chemistry soon.

Sir Andrew Pedlar, the then Principal of Presidency College and himself a Chemist encouraged Ray to pursue research and with Pedlar's help, Ray raised funds to equip a reasonably good chemistry research laboratory and began a search for some of the missing elements in the periodic table. He managed to precipitate mercurous nitrite, a compound that had been regarded as unstable in crystalline form. For several years thereafter, he and his students carried out a systematic exploration of the properties of mercury salts and a range of nitrite compounds. His findings of an enquiry into the adulteration of oil and ghee were published in 1894 in the Journal of Asiatic Society and the publication was highly acclaimed.

He remained with Presidency College until 1916 when Sir Asutosh Mukherjee summoned him to the University College of Science, Calcutta. There, he continued his teaching and research for next two decades long after he became eligible to retire. His students included Dr Meghanad Saha, Dr P C Mahalanobis and Prof S N Bose.

Ray's first volume of History of Hindu Chemistry was published in 1902 and the second, in 1908. He was known as the Father of Indian Chemistry. He was knighted in 1919.

Ray was instrumental in laying foundation of chemical and allied industries in India. He motivated to start the Bengal Chemical and Pharmaceutical Works Ltd in 1901. The Bengal Pottery Works, the Calcutta Soap Works, the Bengal Enamel Works and the Bengal Canning and Condiment Works are his creations. These industries, during the next few decades, provided hundreds of technical managers to the industrial establishments all over India. The Jadavpur Technical Institute established in 1921 (developed now into Jadavpur University) had Acharya Ray as its founder President. He formed the Indian Chemical Manufacturers' Association (ICMA) in 1938.

Intellectual regeneration, industrial development, economic freedom, social reforms and political advancement of the country — all made equally strong appeal to him, as did his teaching and research. Having abandoned western dress and manners on his return to India in 1889, he actively promoted the ideals of traditional Indian culture. He played a significant role in independence movement and motivated his colleagues and students for greater participation in it. He donated all his earnings to students, workers, laboratories and scientific organizations. He expired in Calcutta on June 16, 1944 at the age of 83.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Chemical Engineers.

M S RAMANUJAM MEMORIAL LECTURE

Born in 1887, Srinivasa Ramanujam was brought up in an orthodox traditional south Indian environment. He was an enigma to his teachers even at school because of his prodigious memory and unusual mathematical talent, which began to show, even before he was ten. That was the age when he topped the whole district at the primary examination and this procured him a half-fee concession at Town High School,

Kumbakonam. He passed the Matriculation examination of the University of Madras in December 1903, secured a first class, and earned for himself the Subramaniam Scholarship in the FA (First Examination in Arts) class at Government College, Kumbakonam.

His research marched on undeterred by environmental factors-physical, personal, economic or social; magic squares, continued fractions, hypergeometric series, properties of numbers-prime as well as composite, partition of numbers, elliptic integrals and several other such regions of mathematics engaged his thought. He recorded his results in his notebooks. Exact facsimiles of these notebooks have now, since 1957, been published in two volumes by the cooperative efforts of the University of Madras, the Tata Institute of Fundamental Research and Sir Dorabji Tata Trust.

Though Ramanujam accepted a clerk's appointment in the office of the Madras Port Trust, his mathematical work did not slacken. His first contribution to the Journal of the Indian Mathematical Society appeared in 1911. Ramanujam was brought to the University of Madras as a Research Scholar on May 1, 1913 at the age of 26.

Ramanujam thus became a professional mathematician and remained as such for the rest of his short life. He began a correspondence with Prof G H Hardy, the then Fellow of Trinity College, Cambridge and his first historic letter to Prof Hardy in January 1913 contained an attachment of 120 theism all originally discovered by him. Thereafter, he was invited to England in March 1914.

Ramanujam spent four very fruitful years at Cambridge, fruitful certainly to him, but more so to the world of mathematics, published twenty-seven papers, seven of them jointly with Prof Hardy. In 1918, he was elected Fellow of the Royal Society and in the same year was elected Fellow of Trinity College, both honours coming as the first to any Indian. The University of Madras rose to the occasion and made a permanent provision for Ramanujam by granting him an unconditional allowance of £ 250 a year for five years from April 01, 1919.

Unfortunately, Ramanujam had to spend the fifth year of his stay in England in nursing homes and sanatoria. He returned to India in April 1919 and continued to suffer from his incurable illness. All the time his mind was totally absorbed in mathematics. Thus, arose the so called Lost Notebook of Ramanujam, which contains 100 pages of writing and has in it a treasure house of about 600 fascinating results. Ramanujam's discoveries and flights of intuition were contained in the four notebooks and also his thirty-two published papers as well as in the three Quarterly Reports, which he had submitted to the University of Madras in 1913-14. These had thrilled mathematicians the world over. More than two hundred research papers had been published as a result of his discoveries. Later Ramanujam died at the unexpected age of 32.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Computer Engineers.

DR K L RAO MEMORIAL LECTURE

Dr Kanuru Lakshmana Rao was born on July 15, 1902. After passing his Intermediate Examination in Science from the University of Madras, he took the B E Degree in Civil Engineering with Honours from the College of Engineering, Guindy in 1925.

His first appointment was as Assistant Engineer in the Visakhapatnam District Board in 1926. He subsequently worked in the College of Engineering, Rangoon and Guindy, and later in the Cauvery - Mettur project. During this period he also qualified for the M Sc (Eng) Degree of the University of Madras by research, being the first recipient of a research degree in engineering from that University. In 1939, he proceeded to England to specialize in reinforced concrete and obtained his Ph D Degree from the University of Birmingham.

Between 1943 and 1945, he was employed as a Senior Lecturer in Loughborough

Engineering College, England. On his return to India in 1946, he was appointed by the Madras Government as Design Engineer in the Ramapadasagar Project and in 1951 joined the Central Water and Power Commission at New Delhi as Director (Dams). In 1954, he became Chief Engineer (Planning and Designs), and then became a Member (Designs and Research) in the same Commission.

During these later years, Dr Rao was closely associated with major dam projects in this country, notably Lower Bhavani, Tungabhadra, Hirakud, Malampuzha, Kosi and Umtru and with flood control on the Brahmaputra River at Dibrugarh. His personal contributions to these projects are acknowledged as outstanding.

Dr Rao is the author of a well known standard work 'Calculation, Designs and Testing of Reinforced Concrete' published by Sir Isaac Pitman and Sons. His contributions to technical journals are numerous. Dr Rao joined the Institution as a member in 1947 and became its President for two sessions (1958-1960). He was also a Minister of Government of India.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Civil Engineers.

M S THACKER MEMORIAL LECTURE

Prof M S Thacker who was Director of the Indian Institute of Science, Bangalore, was appointed Director General of the Council of Scientific and Industrial Research, Government of India, in succession to the late Sir S S Bhatnagar.

Prof Thacker was the Chairman of the Electrical Section of the Institution, and the Section had vastly expanded under his vivid leadership.

Prof Thacker was the Chairman of the Mysore Centre and later the President of the Institution for 1955-56. He represented the Institution, at the Third Conference of Engineering Institutions of the Commonwealth in London in June 1954, and the Indian National Committee at the Sectional Meeting of the World Power Conference in Rio de Janeiro, Brazil, in July-August 1954. He was also the Chairman of the Papers Committee for the selection of articles from India for the Fifth World Power Conference held in Vienna, Austria in July 1956. He expired on July 6, 1979.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Electrical Engineers.

N V MODAK MEMORIAL LECTURE

N V Modak received his early education in the Government High School and Ferguson College, and then joined the College of Engineering, Poona and received his BE (Civil) from the University of Bombay in 1911. He then served the Bombay Government until 1918, and then proceeded to England on a State Technical Scholarship for special work in municipal and sanitary engineering.

On his return to India, he was appointed as an Executive Engineer in the Indian Service of Railway Engineers and posted to G I P Railway as Sanitary Engineer. Subsequently his services were requisitioned by the BB and CI Railway as a Consulting Engineer to prepare a Sewerage scheme for Dohad Station. From 1930, he was with the Bombay Municipality, first as Deputy City Engineer and then Hydraulic Engineer and in 1934, he was promoted to the responsible position of City Engineer to the Bombay Municipal Corporation.

His activities in the promotion of engineering profession have been very wide and extensive. He had been the Chairman of the Bombay Centre of the Institution of Engineers (India), and the President of the Bombay Engineering Congress. He was a Fellow of the University of Bombay, a member of its Syndicate and Dean of the Faculty of Engineering. He was also a member of the Advisory Committee of the Poona Engineering College and of the Governing Board of the Victoria Jubilee Technical Institute, Bombay, a member of the Institution of Civil Engineers and the Institution of

Municipal and Country Engineers, London and a Fellow of the Royal Sanitary Institute of London.

He was elected as President of The Institution of Engineers (India) by the Council for the year 1940-41 and was re-elected for a second term for the year 1941-42. He was the first member to receive such an honour.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Environmental Engineers.

PROF S K MITRA MEMORIAL LECTURE

A renowned scientist, an excellent lecturer and a reputed author, Prof Sisir Kumar Mitra is a pioneer in the field of radio-physics and ionosphere research in the country.

Born in Calcutta on October 24, 1890, Sisir Kumar Mitra had his initial insights into the field of scientific research and development during his stint in Presidency College, Calcutta where he came in close contact with Sir J C Bose and Acharya P C Roy. Sir J C Bose's equipment for the generation and detection of Herizian waves had left in him an indelible interest in radio physics — a faculty he cultivated later in life.

In 1916, the University College of Science was founded and Mitra joined the Department of Physics. He began researches on the diffraction and interference of light and in 1919 obtained the D.Sc. Degree from the University of Calcutta.

In 1920, he joined the University of Sorbonne where he worked for the determination of wavelength standards of the copper spectrum and received the Doctorate Degree in 1923. Later, he joined the Institute of Radium to work under Madame Curie and subsequently joined the University of Nancy. On his return to India, he was appointed Khaira Professor of Physics in the University College of Science, Calcutta.

While developing teaching and research facilities in the University, he also took active interest in the development of broadcasting in India. His proposal for the establishment of a Radio Research Board was accepted by the newly formed Council of Scientific and Industrial Research, and he was appointed as its first Chairman and continued in this position until 1948.

Prof Mitra's greatest contribution to scientific knowledge was in the field of ionosphere. His ideas and guidance was at the root of most of the contributions made by the Ionosphere Laboratory of Calcutta. His findings on upper atmosphere ionization and night sky luminescence was presented in a treatise 'Active Nitrogen – a New Theory' in 1945.

After his retirement from University service in November 1955, he was appointed Professor Emeritus of the University of Calcutta. Subsequently he assumed the Administratorship of the Board of Secondary Education of the State of West Bengal and was instrumental in the introduction of Higher Secondary Syllabus in the State.

In 1958, he was elected as a Fellow of the Royal Society, London for his contribution to the study of upper atmospheric phenomena. He was the recipient of the King George V Silver Jubilee Medal in 1935, Joy Kissen Mukherjee Gold Medal of the Indian Association for the Cultivation of Science in 1943, Science Congress (Calcutta) Medal of the Asiatic Society in 1956 and Sir Devaprasad Sarabadhikary Gold Medal of Calcutta University in 1961.

He held many responsible positions including : President, Asiatic Society of Bengal (1951-52); General President, Indian Science Congress (1955) and President, National Institute of Sciences of India (1956-58). He was a member of the Indian National Committee for the International Geophysical Year and was in the Editorial Board of a number of Indian and foreign scientific journals.

Prof Mitra received *Padmabhushan* in 1962 and in the same year was appointed National Research Professor in Physics by the Government of India.

In memory of his dedicated service, The Institution of Engineers (India)

instituted an Annual Memorial Lecture in his name during the National Convention of Electronics and Telecommunication Engineers.

DR S C BHATTACHARYYA MEMORIAL LECTURE

Dr S C Bhattacharyya, born on August 20, 1894, passed M Sc in Mathematics from University of Calcutta in 1919 and obtained the degree in both mechanical and electrical engineering in 1921 from the Bengal Technical Institute. Almost simultaneously, he passed the final examination in mechanical engineering from the City and Guilds, London. Subsequently, he went to Germany and obtained the degree in mechanical engineering from Berlin Technical University in 1926, and Dr Ing from the same University in 1928. He stood first in his degree examination in mechanical engineering at National Council of Education, Bengal, as well as at the Berlin Technical University.

India was then reverberating with the spirit of nationalism and Dr Bhattacharya, after his return from Germany, had no hesitation in responding to the call of the nation and joining the National Council of Education, Bengal as a teacher in mechanical engineering ignoring tempting offers from other reputed engineering colleges. His entire career was thereafter devoted and dedicated to the service of NCE, Bengal and Jadavpur University and in planning and implementing his ideas in the development of human resources in mechanical engineering till his retirement as Professor and Head of the Department of Mechanical Engineering in 1959. He acted as Vice-Chancellor of Jadavpur University for a short period. After his retirement, he was made Professor Emeritus of Jadavpur University.

Dr Bhattacharyya excelled in whatever subject he touched, be it thermodynamics or applied mechanics, theory of mechanics or strength of materials, machine design or machine tools.

He was not only a pioneer in introducing and advancing mechanical engineering education in the country but also a pioneer Indian author of such engineering textbooks as 'Engineering Thermodynamics', 'Machine Design', 'Machine Tools', etc. Besides being a teacher par excellence during his entire service career, he was associated with various indigenous industries as technical consultant. He left behind an academic legacy virtually beyond comprehension.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Mechanical Engineers.

DR S P LUTHRA MEMORIAL LECTURE

Dr S P Luthra, born on April 01, 1912, after a brilliant academic career in India was awarded a Government of India Overseas Scholarship for higher studies and research at the Imperial College of Science and Technology, London and obtained the Ph.D. Degree in Mechanical Engineering in 1949. Earlier, he had received the B.Sc. (Engineering) Degree of Punjab University in 1937 and worked at the North-West Railway Mechanical Workshop at Lahore; Punjab PWD, Hydro Electric Branch; Shaw Wallace and Co Ltd; Siemens India Ltd and VDJI Technical Institute, Lahore.

In 1949, Dr Luthra joined Delhi Polytechnic (now known as Delhi College of Engineering) as Head of the Mechanical Engineering Department. He was also Visiting Professor at the University of Wisconsin, USA, under the Technical Co-operation Mission. Later, he joined the Indian Institute of Technology, Delhi, as Professor and Head of the Department of Applied Mechanics and held the positions of Dean of Students, Dean of Examination, Dean of Faculty of Engineering, and Dean of Administration and finally became its Director. During his professional career, Dr Luthra was connected with various professional, educational and scientific organizations. He was member of the Board of Governors, IIT, Delhi; Chairman, Board of Governors, Gorge College for Women, New Delhi; Chairman, World Conference in Industrial Tribology, New Delhi; and President of the Indian Society for Industrial Tribology.

Dr Luthra was also a recipient of the President of India Award for Best Teacher in Technical Education in 1979 and the prestigious award by the Prime Minister of India for meritorious service rendered to the IIT, Delhi, on the occasion of its Silver Jubilee in 1986, and a silver medal by the President of India for meritorious services rendered to the Indian Institute of Science, Bangalore, on the occasion of its Diamond Jubilee in 1986.

Dr Luthra had long association with The Institution of Engineers (India) having joined it as Corporate Member in 1944. He had served on the Council for twelve years and was Chairman of the Delhi State Centre of the Institution. He expired on July 24, 1993.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Mechanical Engineers.

Endowment Fund for National Convention of Mechanical Engineers :

- *Honorarium to the Speakers of Memorial Lecture : Rs.3,000/- each.*
- *Printing of the text of Memorial Lecture : Rs.2,500/- each.*
- *Memento to the Speaker of Memorial Lecture : Rs.1,500/- each.*

V SUBRAMONY MEMORIAL LECTURE

Hailing from a well-known family in Quilon, V Subramony had his early education in Quilon before joining Banaras Hindu University for the Graduate Course in Metallurgical Engineering. After graduation, he had his initial training in the USSR and had visited Steel Plants in Japan, West Germany and the USA.

He had a rich and varied career in steel. Joining the Bhilai Steel Plant in 1956, he rose steadily, occupying the posts of Superintendent (Blast Furnaces), Chief Superintendent (Iron Zone), Assistant General Superintendent (Technical Development) and Deputy General Superintendent (DGS). As DGS, he looked after the plant operations and was instrumental in bringing about a number of technological improvements that resulted in higher productivity. He was associated with the expansion of Bhilai Steel Plant to four million tons.

Shri Subramony joined SAIL Headquarter as General Manager (Operations) in June 1978, and subsequently he took over as Director (Technical) in January 1981. On April 30, 1982, he assumed charge as Managing Director, Rourkela Steel Plant. He was also Director, MECON; Nagarjuna Steel Ltd, Hyderabad and Director, Fertilizer Association of India, New Delhi. He was conferred the 'Distinguished Alumni Award' by Banaras Hindu University on the November 15, 1983.

Shri Subramony introduced several new management techniques, which ultimately resulted in the Rourkela Steel Plant turning the corner. He won the hearts of everyone by his sense of values, enthusiasm and fairness. A high performer, he was the pride of many. A rising star was cut short cruelly by a quirk of fate on January 23, 1986.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Metallurgical and Materials Engineers.

Endowment Fund for National Convention of Metallurgical Engineers

- *Honorarium to the Speakers of Memorial Lecture : Rs.5,000/-*

PROF S K BOSE MEMORIAL LECTURE

Prof S K Bose was born on October 07, 1900 in Burdwan district of West Bengal. After passing his matriculation examination in 1917, he was admitted to Presidency College, Calcutta and secured first position in his B Sc (Geology Honours) Examination in 1921. He continued his study in M Sc (Geology) for one year only. Later, he switched over to mining, joined the Sanctoria Colliery, and took apprentice training.

In 1923, Prof Bose joined the Royal School of Mines, London, under Government of

India Scholarship. He passed the ARSM (Mining) examination in 1927 and was placed first in first class. During his period of study abroad, he travelled Europe and visited some large mines in Belgium, Netherlands, Germany and France. He joined as first Professor of Mining at Indian School of Mines (ISM), Dhanbad in 1927. Later, he became Head of the bifurcated Department of Metal Mining and Surveying. He devoted his entire career at ISM, Dhanbad and retired from there in 1956.

After retirement from ISM, he served NCDC in the capacity of Officer on Special Duty (Training) for one year. During his service at ISM, he visited many minefields in India as well as abroad. It is remarkable that most of his visits were undertaken at his own expenses. He visited Ceylon in 1932, South Africa in 1934, and Japan, North Korea, Mongolia and China in 1936 to observe important mines in those countries. He often used to contribute some state-of-the-art short notes to the local weekly 'The New Sketch'.

Through his publication in this weekly, he stressed the need for establishing a Government College of Mining Engineering, similar in status and model to the Royal School of Mines in England and Japan. This eventually led to a resolution being passed by Indian National Congress.

In another publication in one of the special issues of the same weekly on 'Mining and Civilization', he emphasized the importance of the part played by mining and geological education in the industrial development of the world and improvement of the social conditions of mankind. He expired on January 15, 1968.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Mining Engineers.

T B BOSE MEMORIAL LECTURE

Rear Admiral T B Bose in 1938 started his career as Lieutenant in the Royal Indian Navy and was appointed an Officer on the dockyard staff. He took special interest in the apprentices assigned to the Dockyard of Engineer Cadets to pass out the IMMTS 'Dufferin'.

Admiral Bose was Principal Officer, Mercantile Marine Department at Calcutta in 1952. Right from the time the new DMET Course was inaugurated in 1949, he identified himself with the new system of training, gave it his full support and, until his retirement from service and even afterwards, became a guiding spirit.

In 1957, when he was Chief Surveyor to Government of India, he was appointed Chairman of a Committee to advise Government on the indigenization of ship-ancillaries. The assignment involved considerable touring, data collection and discussions with shipyards and industrial enterprises. The Report of the Committee led to the formation of a Marine Engineering Division of the then ISI (now BIS) and to the setting up of an indigenous development cell at the Hindustan Shipyard, Vishakapatnam.

Admiral Bose was largely responsible for the development of Naval College of Engineering at Lonavala. Even though he had retired from the Navy, Naval Headquarters had a very high regard for his sagacity and expertise and valued his advice greatly. Even after his retirement from service, he took keen interest in the development of marine engineering and was a constant source of inspiration to all at the Ministry in New Delhi and at the new shipyard at Cochin.

As Vice-President of the Institute of Marine Engineers, London, he was a beacon light to the marine engineers of India. In spite of the high offices he held, he was easily accessible to young marine engineers who found his guidance invaluable. Admiral Bose, during his professional career, was closely involved in shipping, ports, shipbuilding, and ship repair and state policy pertaining to these sectors.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National

Convention of Marine Engineers.

F W TAYLOR MEMORIAL LECTURE

Inventor and engineer, Frederick Winslow Taylor was born on March 20, 1856 at Philadelphia, the USA.

Educated at preparatory schools at Pennsylvania and New Hampshire, Taylor entered apprenticeship in the trades of pattern maker and machinist in Philadelphia in 1875. In 1878, he was employed by the Midvale Steel Company in their machine shop. In 1881, he introduced his method of increasing the efficiency of production by close observation of individual workers, identifying and eliminating wasted time and redundant motion. He earned a degree in 1883 from the Stevens Institute of Technology, and in 1884, he was elevated to the position of Chief Engineer at Midvale. In 1890, he became the General Manager of the Manufacturing Investment Company. He subsequently became consultant in management in a number of organizations. Having dedicated about forty years in the improvement of production techniques and productivity, Taylor earned the distinction of being the father of modern scientific management. He expired on March 21, 1915.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Production Engineers.

G C SEN MEMORIAL LECTURE

Gopal Chandra Sen, graduated in mechanical engineering from College of Engineering and Technology, Jadavpur in 1933 and gathered first-hand experience for two years, first in a private firm and then in a distinguished workshop in Howrah. He joined the National Council of Education, Bengal as Instructor in 1935 and became Lecturer in 1940. In 1946, he went on a Government scholarship to the USA for higher studies in engineering. He got the degree of Master's of Science in Engineering from the University of Michigan. On return, he resumed teaching at Jadavpur University and became Professor of Mechanical Engineering in 1952. In June 1969, he was appointed Dean of the Faculty of Engineering and from August 1970 until his demise on the December 30, 1970, he was the Vice-Chancellor of Jadavpur University.

Prof Sen was the pioneer in India of the teaching of production engineering and was the author of a number of very useful books including textbook on the Principles of Machine Tools and Metal Cutting, which are adored in many universities abroad. Prof Sen belonged to that vanishing 'tribe' of teachers who would take up teaching as dedication rather than profession. He was a disciplinarian with a difference.

Apart from his academic brilliance, he was a poet and an artist – one who was an expert in drawing and an adept in drawing pen pictures.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Production Engineers.

S N BHADURI MEMORIAL LECTURE

After gaining considerable experience in the above-mentioned field, he joined ATIRA, Ahmedabad and developed a well-organized team of SQC personnel. He undertook the dual responsibility of training textile mill personnel of western part of the country in SQC and process control techniques and their applications in the mills.

S N Bhaduri obtained his M Sc Degree in Statistics from University of Calcutta and thereafter started working in the field of Statistical Quality Control (SQC) and its application in textile mills.

Adaptation and implementation of the aforesaid techniques not only improved the quality of textile products but also immensely increased the popularity and value of the same in overseas market. Though he was a pioneer in the field of application of SQC and allied techniques in textile mills, he also took keen interest in mechanical

processing of textile fibres and development of the same, including textile machines.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Textile Engineers (to be delivered in alternate year).

DR B K CHAKRABARTI MEMORIAL LECTURE

Dr B K Chakrabarti, an outstanding scholar and researcher, obtained his M.Sc. Degree in Pure Physics from Calcutta University and made commendable research contributions in the fields of optics and spectrometry. He then took up teaching assignment for a short period, and later joined Indian Central Jute Committee (ICJC) (later named as JTRL and currently known as NIRJAFT) at Tollygunge, Calcutta as a scientist and devoted himself in research and made outstanding contributions in the fields of textile physics and statistical quality control. Thereafter, he obtained his Ph.D. Degree from the University of Calcutta. He also evaluated jute yarn diameter subsequently at ICJC and later joined Institute of Jute Technology (IJT) as Professor and Head, Department of Textile Science and developed a unique silver irregularity tester and introduced 2 :1 doubling in the gills in jute finisher drawing machines. He went to the UK on Ghosh Fellowship and was honoured with Fellowship of the Textile Institute, Manchester. Before leaving IJT, he became Principal for a short stint. After retiring from IJT, Dr Chakrabarti became Technical Advisor to a number of jute factories in and around West Bengal.

In memory of his dedicated service, The Institution of Engineers (India) instituted an Annual Memorial Lecture in his name during the National Convention of Textile Engineers (to be delivered in alternate year).

MODALITIES FOR IEI YOUNG ENGINEERS AWARD

1. The applicant should be an Engineer and citizen of India.
2. The applicant should not be older than 35 years of age as on March 31 of the year of notification.
3. The application must be forwarded by the Head of the Organization / Institution.
4. The work considered for the award should have been carried out during the preceding five years and must have been done within India.
5. The work should be related to the design and development of engineering products relevant to national perception.
6. The achievement should have technological / engineering content with or without measurable financial benefits.
7. The number of awards is to be limited to three.
8. The awards should be given away during the National Convention of the respective engineering division.
9. The awardees should be selected by the respective Division Board.
10. The award will consist of Rs.10,000/- and a Certificate.

TIME SLOT FOR THE NATIONAL CONVENTIONS

Engineering Divisions	Scheduled Month
AGDB	: January
ARDB	: September / October
ASDB	: November
CHDB	: September
CPDB	: February
CVDB	: October
ELDB	: November
ENDB	: August
ETDB	: October
MCDB	: September
MMDB	: January
MNDB	: December
MRDB	: August
PRDB	: May
TXDB	: February
Indian Engineering Congress / Council	: December
CATE / Council	: March, June, September
IEI Convocation	: October

- N. B. :*
- *Spill over months for National Convention — March, April and July*
 - *ENDB (effective from 122nd CATE Meeting at Hyderabad, March 23, 2013)*
 - *ARDB (effective from 124th CATE Meeting at Shimla, September 28, 2013)*

PROPOSAL FROM CENTRES FOR HOLDING TECHNICAL ACTIVITIES



For use by the HQrs (Programme Code) :

Centre Code		Prog.Type #		Div.Board		Fin.Yr★		Prog.No.			
# (NC / AS / OD) ★ Last two digits of financial year											

Name of the Centre:											
Proposed Programme: <i>(strike out which are not applicable)</i>				National Convention / All India Seminar / One Day Workshop / Seminar							
Title of the Programme:											
Under the aegis of which Divisional Board / Committee:											
Date :				Venue :							
Associate organization (if any):											
Grant requested from the HQrs:				Rs.							
<u>Brief Write-up about the programme (preferably within 300 words):</u>											
For use by Chairman, Division Board, Chairman, CATE and the HQrs:											
Put-up to Chairman, Division Board on:					Comments of Chairman, Division Board received on:						
Comments of Chairman Division Board / Committee:				Approved / Not Approved / To be Revised							
Suggested Revision (if any) :											
Put-up to Chairman, CATE on:					Comments of Chairman, CATE received on:						
Comments of Chairman CATE:				Approved / Not Approved / To be Revised							
Suggested Revision (if any) :											

Information to Centre about decision or to incorporate suggested revision (if any) on:	
--	--

Proposals to be sent (a) Six months prior to the proposed dates of National Convention, (b) Three months prior to the proposed dates of All India Seminar and (c) One months prior to the proposed dates of One Day Workshop / Seminar.

Grant available for (a) National Convention: Rs 1,50,000/-, (b) All India Seminar: Maximum Rs. 20,000/-,
(c) One Day Workshop / Seminar: Rs. 10,000/-

STANDARD BROCHURE

The Institution of Engineers (India)

*"94 Years of Relentless Journey towards
Engineering Advancement for Nation-building"*

(Name of the Programme)

(Date, Place)

Organised by



The Institution of Engineers (India)

..... **State Centre / Local Centre**

Under the aegis of

..... *(Name of Divisional Board), IEI*

In association / collaboration with (if any)

(Name and logo of the organization — logo should be smaller than IEI logo)

Venue

.....



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 HQrs 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 honour. 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 Centres located across the country. The Institution has established R&D centres 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 Examinations 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, Government of India. Every year as many as 90000 candidates appear for these exams. For details, please see: **www.ieindia.org**.

About the associate organization *(if any)*

About the programme with objective, theme, sub-themes, call for papers, important dates, registration details, advertisement tariff, accommodation, venue etc.

Payment:

All payments are to be made through crossed Demand Draft / Cheque, drawn in favour of **“The Institution of Engineers (India),State/Local Centre”**



NATIONAL ADVISORY COMMITTEE

- Chairman : President, IEI
Co-Chairman : Chairman of the Divisional Board
Convenor : A Corporate Member (attached to the Host Centre and also the concerned Division)
Members : Name of all members of the concerned Division Board
: Persons of all India status
: Name of Honorary Secretary of the Host Centre (if he / she is not the Convenor)

ORGANIZING COMMITTEE

- Chairman : Chairman of the Host Centre
Organizing Secretary : Honorary Secretary of the Host Centre or one Corporate Member (attached to the Host Centre)
Members : Local Corporate Members

TECHNICAL COMMITTEE

- Chairman :
Members :

CONTACT

- Name of the contact person :
Address of IEI State / Local Centre :
Phone :
Email :

REGISTRATION FORM / ADVERTISEMENT BOOKING FORM

--

REPORT OF THE CONVENTION

Part I: Report by the Host Centre

(Within two weeks of completion of the Convention, the Host Centre shall send the Report to the Technical Department at the HQrs along with some photographs.)

- (a) Introductory point(s)
 - (i) Title of the Convention: _____
 - (ii) Dates : _____
 - (iii) Host Centre : _____
 - (iv) Venue of the Convention _____
- (b) Nodal date(s)
 - (i) Date of receipt of communications from the HQrs confirming to host the Convention _____
 - (ii) Date of receipt of Guidelines from the HQrs _____
 - (iii) Date of dispatch of materials to the HQrs for announcements in IEI News / Journal / Students' Newsletter / Technicians' Journal _____
 - (iv) Date of dispatch of First Circular to prospective delegates _____
 - (v) Date of dispatch of Last Circular to prospective delegates _____
 - (vi) Date of receipt of seed money from the HQrs _____
 - (vii) Details of IEI publications as in (iii) carrying announcements _____
- (c) Delegate Fee(s)
 - (i) Corporate Member _____
 - (ii) Non-member _____
 - (iii) Sponsored Member _____
 - (iv) Spouse _____
 - (v) Student / Technician / Research Scholar _____
- (d) National Seminar _____
 - (i) Theme of the National Seminar and date: _____
 - (ii) Expert Lectures _____

	Name of Speaker	Title of Lecture / Address
(a) Memorial Lectures	_____	_____
(b) State-of-the-art Lecture	_____	_____
(c) Keynote Address	_____	_____
 - (iii) Number of articles received by the organizers from other authors [excluding (ii)] _____
 - (iv) Total number of articles selected by the organizers _____
 - (v) Number of articles presented at the National Seminar _____
 - (vi) Number of technical sessions _____
- (e) Inaugural Session of the Convention
 - (i) Names of VIPs on Dais (Mention their functions) _____

- (ii) Number of media personnel _____
 - (a) Newspapers _____
 - (b) AIR _____
 - (c) TV _____
- (iii) Total number of persons present _____
- (f) Number of expert lectures with details _____
- (g) Number of technical sessions _____
- (h) Participation
 - (i) Number of persons registered _____
 - (ii) Total number of registered delegates outside the Centre who attended ____
 - (iii) Number of persons present in first technical session after inauguration ____
 - (iv) Number of persons present in last technical session _____
 - (v) Number of persons present at other events
 - (a) Workshop _____
 - (b) Technical Exhibition _____
 - (c) Round Table _____
 - (d) Technical Visit _____
 - (e) Valedictory Session _____
- (i) Felicitation of Eminent Engineer(s) (also, highlight the achievements of personalities)
 - (i) Number selected with names _____

 - (ii) Number attended with names _____

- (j) Publication(s) (Mention whether printed or cyclostyled)
 - (i) Souvenir _____
 - (ii) Abstract of articles (included in Souvenir or printed separately) _____
 - (iii) Proceedings of full articles _____
 - (iv) Any other publications _____
- (k) Name of Representative from the HQrs and work done by him _____

- (l) Strong/Weak Points
 - (i) Strong points about the HQrs _____

 - (ii) Weak points about the HQrs _____

- (m) Press Coverage
 - (i) Newspapers (Please attach cuttings) _____
 - (ii) AIR _____
 - (iii) TV _____
- (n) Name of the Members of Core Group _____
- (o) Recommendations _____
- (p) Name of the Organizations / Institutions to whom the recommendations have been sent

(q) Please provide the suggestions (within 200 words) for making the National Convention more successful in future days

(r) Any other remarks _____

Signature with date

TECHNICAL ACTIVITY CARRIED OUT BY CENTRES / OVERSEAS CHAPTERS

Name of Centre / Overseas Chapter:	
------------------------------------	--

Title of Activity:	
--------------------	--

Activity under Divisional Board (delete which are not applicable):	
---	--

Date:		Venue:	
-------	--	--------	--

View of Dais	Title of photo:

--