



News Bulletin

The Institution of Engineers (India)

Meerut Local Centre

"101 Years of Relentless Journey Towards Engineering Advancement for nation Building"

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Notice for 12th AGM of The Institution of Engineers (India) Meerut Local Centre

In Pursuance of Regulation-6 of the "Bye Laws & Regulation of Council" it is hereby notified that 12th AGM of The Institution of Engineers (India), Meerut Local Centre will be held as per following programme:

Venue :- A-12 Surya Nagar 1st Floor, Behind LIC, Meerut

Date :- 29-10-2023(Sunday)

Time:-11:00am- Registration& Fellowship

:- 11:10am – Business Session (for Corporate Members)

:-To confirm minutes of meeting of 11th AGM

:-To deliberate on annual activity report of FY 2022-23

:-Presentation of Audited Report of FY 2022-23

:-To appoint Auditor for FY 2023-24 and fix remuneration

:- Felicitations of Platinum members.

Felicitations of Platinum Members:-

Members born in Calendar year 1948 or earlier excluding those honoured in 2nd to 11th AGM will be felicitated during 12th AGM. Eligible members who propose to participate in 12th AGM are requested kindly to inform their Name, Corporate Membership No., Branch of Engineering and optionally a brief write-up about themselves latest by 22-10-2023 at E-mail ID of this Local Centre- meerutlc@ieindia.org and Mobile No. 7417618318 or 9411026047 so that their particulars may be got inscribed on the Memento to be presented at the time of felicitation.

After activity of AGM, there will be a Quiz on general knowledge, engineering, maths etc, followed by Lunch.

Minutes of 11th AGM held on 30-10-2022

Venue- A-12 Surya Nagar, 1st floor, Behind LIC Saket, Meerut-250001

Statutory Compliance of Notice:-

The notice for AGM was sent to all corporate members of Meerut Local Centre on 03-10-2022 by email. Then the News Bulletin of the centre issue 3, vol. 10 containing the above notice was sent to all members on 06-10-2022 by email. The hard copies of the news bulletin were distributed to all members during the AGM on 30-10-2022.

The AGM started with the welcome of Corporate Members by the Chairman. In all, 23 corporate members attended the AGM.

1. The Hony. Secretary read out the minutes of 10th AGM held on 30-10-2021. The house unanimously approved these minutes of meeting without any correction.
2. The Hony. Secretary explained the activities carried out during FY 2021-22. The members appreciated that all the statutory days as well as many more activities including two all India webinars were organized during the year, despite pandemic.
3. The Hony. Secretary presented audited report of FY 2021-22. The members in general felt satisfied of the financial position of the Centre.
4. The Hon- Secretary read out the offer of Pradeep & Rajeev Chartered Accountants, 4th Floor, Regalia Tower, 301//1, Mangal Pandey Nagar, Meerut -250004 for auditing the accounts of Meerut Local Centre @ 9000/- for FY 2022-23. The house found the above offer as reasonable and approved it.
5. The following Corporate Members who attained the age of 75 were felicitated as Platinum Members:
 - (i). Er. Sudhir Prakash Goel, M-030755-0/CV
 - (ii). Er. Arun Kumar Gupta, F-117845-4/MC
 - (iii). Er. Subhash Chandra Mittal, F-018189-3/MC

In the end Hony. Secretary Er. R.P. Agrawal delivered vote of thanks.

Er. M.L. Jain
Chairman

Er. R.P. Agrawal
Hony. Secretary

Auditor's Report:-

1. Report on the Financial Statements-

We have audited the accompanying financial statements of The Institution of Engineers (India), Meerut ("the Institution"), which comprises of the Balance Sheet as at March 31st, 2023, signed by us under reference to this report and the related income and Expenditure Account and then Cash Flow Statement of the Year then ended and Schedules forming part of the accounts and a summary of significant accounting policies and other explanatory information, in which have been incorporated the returns/ accounts received from the Institution of Engineers, Meerut Local Center for the year ended 31st March, 2023 as audited by us.

2. Management's Responsibility for the Financial Statements:-

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position, financial performance of the Institution in accordance with the applicable Accounting Standards issued by The Institution of Chartered Accountants of India and generally accepted accounting records and safeguarding the assets of the Institution and for preventing and detecting frauds and other irregularities, selection and application of appropriate accounting policies, making judgment and estimates that are reasonable and prudent and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

3. Auditor's Responsibility:-

Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with the Standards on Auditing issued by the Institution of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement. An audit involves performing procedures to obtain audit evidences about the amounts and disclosures in these disclosures in these financial statements. The procedure selected depends on the auditor's judgment including the assessment of the risk of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments; the auditor considers internal financial control relevant to the Institution's preparation of the financial statement that give a true and fair view in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the

appropriateness of accounting policies used and the reasonableness of the accounting estimates made by the Management, as well as evaluating the overall preparation of the financial statements.

We believe that the audit evidence we have obtained and the audit evidence obtained by the other center auditor's in terms of their reports is sufficient and appropriate to provide the basis for our audit opinion on the financial statements.

4. Opinion:-

In our opinion and to the best of our information and according to the explanation given to us, the financial statements give the information in the manner so required and give a true and fair view in conformity with the Accounting Standards generally accepted in India;

4.1) In the case of the Balance Sheet, of the state of affairs of the Institution as at 31st March 2023;

4.2) In the case of the Income and Expenditure Account, of the deficit for the year ended on that date.

4.3) In the case of the Cash Flow Statement, of the cash flows for the year ended on that date.

5. Report on Other Legal and Regulatory Requirements:-

This report does not contain a statement on the matters specified by the Companies Auditor's Report Order 2020 ("the Order") issued by the Central Government India in terms of sub section (11) of the section 143 of the Companies Act 2013 as the said Order is not applicable to the Institution .

6. We further Report that:-

i.) We have obtained all the information and explanation which to the best of our knowledge and belief were necessary for the purpose of the audit;

ii) In our opinion proper books of accounts as required by Law have been kept by the Institution as far as appears from our examination of those books;

iii.) The Balance Sheet, The Statement of Income and Expenditure dealt with this Report are in agreement with the books of accounts and with the returns received from the centers not visited by us;

iv.) The aforesaid Financial Statements comply with the Accounting Standards issued by the Institute Of Chartered Accountants of India.

V) The reports on the accounts of the centers audited by the center auditors have been sent to us and have been properly dealt with by us in the preparing this report;

For and on behalf of
 Pradeep & Rajeev, Chartered Accountants ,
 Firm Registration No. 002334C
 Bhushan Kumar Agrawal
 Membership No. 402076
 Date: 31-05-2023
 Place: Meerut

Balance Sheet as on 31st March -2023

LIABILITIES	Schedules	31stMarch2022 Rs.	31stMarch2023 Rs.	ASSETS	Schedules	31stMarch 2022	31stMarch2023 Rs.
Reserve & Surplus	7	622215.54	537768.35	Fixed Assets	1	140013.77	140326.03
				Investments-			
				Long Term			
Capital Reserve	8			Fixed Deposits with Banks	3		
				Current Assets			
Earmarked Funds	9			Stock	4		
				Sundry Receivables	5		
				Cash & Cash Balance and short term Fixed Deposits with Banks	6	483360.77	400897.32
				Other Advances	2	500	500
Current Liabilities & Provisions	10	8260.00	9000	Interest Outstanding & Accrued		6601.00	5045.00
Total		630475.54	546768.35	Total		630475.54	546768.35

Income and Expenditure Account for the Year ended on 31st March 2023

	Income	2021-22 Rs.	2022-23 Rs.	Expenditure	2021-22 Rs.	2022-23 Rs.
1	Grant Received From Head Quarter			Salaries and Allowances, etc to temporary Staff	264557	297521
	(i)For Manpower Grant	1,32000	2,65083	Expenses for Seminars and Symposia	92598	33166
	(i)For Annual Recurring Grant	1,99647	2,22498	Annual General Meeting Expenses	40098	6882
	For Incentives	6000	5269	General Meeting Expenses	1845	0
	For Miscellaneous Grants From HQ.	10266	0	Council Meeting Expenses	1333	0
	For Reimbursement of TA/DA			Committee Meeting Expenses	17088	10232
	For Technician/ students charter			Data Processing Expenses	11550	0
2	Interest From Investment and Bank Fixed Deposit	7362	14325.85	Printing and Stationery	36201	14783
3	Interest From Saving Bank	15912	1498	Postage and Courier	16374	12258
				Telephone and Telex Expenses	11388	11725
				Electricity Charges	11842	11789
				Bank Charges	2.65	5.30
				General Charges	4706	11634
				Insurance Charges	0	0
				Rent, Rates and Taxes	179100	139500
				Refreshment Expenses	2517	1142
				Statutory Audit Fees	8260	9000
				Other Auditors Fees	15000	0
				Building/ Library	0	0

				Repairs and Maintenance on Buildings	2045	9765
				Furniture & Equipments	0	1820
				Travelling and Conveyance	6370	21211
				TA/DA to Committee Members		
				Upkeep of Office and Guest House		
				Fixed assets return of		687.74
	Grand Total	3,71,187.00	508673.85		722874.65	593121.04

Schedule of Fixed Assets Annexed to and forming part of Balance Sheet as at 31st March 2023

	ASSETS	Cost at 1st April, 2022	Additions	Sales/Disposal Of adjustment	Cost as at 31st march 2023
1	Computer System				
	Laptop	250.88			250.88
	Printer	122.88			122.88
2	Furniture & Equipment etc.				
	Furniture	72173.36			72173.36
	Aqua Guard	10727.59			10727.59
	Motor	2671.64			2671.64
	Fans	3438.71		687.74	2750.97
	Inverter	5457.58			5457.58
	Refrigerator	7685.59			7685.59
	Cooler	8924.00			8924.00
3	Electric Installation				
	CCTV	21192.03			21192.03
4	Books	7369.51	1000		8369.51
	Total	140013.77	1000	687.74	140326.03

Schedule of cash & bank Balance and short term Fixed Deposits with Bank annexed to and forming part of Balance Sheet as at 31st March, 2023

31 st March, 2022 Amount	Particulars		31 st March, 2023 Amount
2325.00	Cash in Hand	902	
50035.77	52360.77 Cash at Bank	51995.32	53995.32
	431000.00 Nil FD with Bank		348333
	483360.77	Total	401995.32

Date: 31-05-2023

Place: Meerut

Sd/- Bhushan Kumar Agarwal
For Pradeep & Rajeev Chartered Accountants
Reg. No. 02334C

Sd/- Er. R.P. Agrawal
Hony. Secretary

Sd/- Er. M.L. Jain
Chairman

Annual Activity Report (2022-23) :-

(A) Statutory Days: All the nine statutory days were celebrated. The details are:-

1. World Telecommunication Day was celebrated at seminar hall of BSNL on 17-05-2022.
2. World Environment Day online webinar (on google meet) on 05-06-2022.
3. Royal Charter Day online webinar (on google meet) on 09-09-2022.
4. Engineers' Day at SCRIET Meerut on 15-09-2022.
5. World Habitat Day online webinar (on google meet) on 03-10-2022.
6. World Standards Day online webinar (on google meet) on 15-10-2022.
7. Energy Conservation Day at BBSSM Inter College Shastri Nagar, Meerut on 14-12-2022.
8. World Engineering Day for Sustainable Development online webinar (on google meet) on 04-03-2023.
9. World Water Day online webinar (on google meet) on 22-03-2023.

The detailed report of these nine events has already been circulated through News Bulletin of the Local Centre.

(B) Statutory Activities:

Royal Charter Day Date: 09-09-2023

Royal Charter Day was celebrated by organizing a webinar on Google Meet. Er. Rajneesh Kumar, Immediate past Chairman, Meerut Local Centre, in absence of Chairman Er. M.L. Jain, welcomed the guests and members of IEI. Er. Rajneesh Kumar also gave a presentation on Royal Charter. He told about the Royal Charter, brief history and background of IEI Royal Charter and sequence of events which took place during the process of award of Royal Charter to the Institution. He explained the objectives of IEI as incorporated in the Royal Charter and action to be taken to achieve them. He stressed on what is not allowed to be done. Er. Rajneesh Kumar concluded his lecture by explaining how the institution is run.

On this occasion there was a presentation on 'WIET, 6G & IoNT' by Dr. Pragati Sharma, Associate Professor and Head, Department of EEE, Phonics Group of Institution, Roorkee (Keynote Speaker). Dr. Sharma explained the technology of transmission of energy along with information without any interconnecting cables (means wirelessly). 6G is the successor to 5G cellular technology. User data rates are 10 times that of 5G. It has much higher efficiency and connectivity density. IoNT or Internet of Nano things is a technology where nano devices and Internet of Things (IoT) meet. IoNT is essentially a nano scale version of IoT. She discussed in detail how these advancements in technology will further revolutionize the communication.

Er. R.P. Agrawal , Hony. Secretary, IEI, Meerut Local Centre presented the vote of thanks.

Engineers' Day Date:16-09-2023

56th Engineers' Day was celebrated in collaboration with Sir Chhotu Ram Institute of Engineering & Technology, Meerut in their seminar hall. The programme started with the lighting of lamp and presentation of bouquets to Chief Guest and Speakers.

At the outset Er. V.C. Gupta past Chairman, in absence of Chairman Er. M.L. Jain, welcomed the guests, which included faculty and students of SCRIET and members of IEI.

Er. V.C. Gupta, FIE, retd. S.E. UPPCL gave presentation on life sketch of Bharat Ratna Sir M. Visvesvaraya and his contribution to the nation, as a great engineer, an efficient administrator, an eminent statesman , educationist, economist and social worker.

Two speakers delivered lectures on the theme for this year ' Engineering a Resilient Future: Building Stronger, Smarter, Safer' . Dr. Swati Singh, Associate Professor Deptt., of Applied Science, SCRIET, Meerut started her lecture with a brief introduction of resilient future and various concepts of it such as preparedness for change, adaptability, flexibility, innovations, technology etc, than smart, strong and safe element into engineering solution and their impact with appropriate examples were discussed in detail. Next to it some key principles of resilience were explained namely resilient infrastructure, climate resilience energy and resource efficiency, diverse systems and adaptive urban planning. The pivotal role of an engineer in changing and shaping the future in numerous ways was elaborated by taking three key areas into consideration. The chosen areas were technology advancements, healthcare innovations, space exploration and colonization. Transport revolution, communication urban development, biotechnology and genetic engineering are some of the major innovations that are transforming our world were explained thoroughly.

Ms. Nidhi Bhatia, Assistant Professor Deptt. of Computer Application, discussed Natural Language Processing (NLP) that refers to Artificial Intelligence concerned with giving computers the ability to understand text and spoken words in much similar way human being can. NLP is a machine language technology that gives computers the ability to interpret, manipulate, and comprehend human language. NLP has its applications in Question Answering, Spam Detection, Sentiment Analysis, Machine Translation, Spelling Correction, Speech Recognition, Chatbot, Information Extraction, Text Summarization, Topic Modeling etc. She told that NLP has promising job opportunities for NLP engineers.

The Chief Guest of the programme, Dr. Niraj Singhal, Director, Sir Chhotu Ram Institute of Engineering & Technology, Meerut said that technology & development are beneficial only if used properly and in a planned manner. Unplanned development/construction in Himachal Pradesh resulted in disaster. Though beneficial, yet artificial intelligence is lessening power as well as necessity of creativity in human beings. The Chief guest and speakers were presented mementoes.

Er. R.P. Agrawal, Hony. Secretary, Meerut Local Centre presented the vote of thanks. News of the celebration of Engineers' Day was published in two leading news papers of Meerut on 17-09-2023.

(C) Lecture Meeting:

By Er. Sanjay Chaudhary on 30-07-2023

A lecture meeting was organized on **“Project Management : Trends and Implications on Performance”** on 30th July, 2023 at office of Meerut Local Centre. Er. Sanjay Chaudhary B.E.(ECE), M.S.(MIS), MBA Industry Fellow University of Petroleum & Energy Studies, Dehradun was the speaker. The session was started with a welcome note from Er. M.L. Jain, Chairman Meerut Local Centre. Er. Choudhary told that it is estimated that by 2030 India will have more than 1.5 billion people and she will require 4.5 trillion dollars by 2040 to develop infrastructure to sustain its economic growth. According to PMBOK (PM Book of Knowledge) Project Management (PM) is the application of knowledge, skills, tools, and techniques to project activities. Importance of PM for Indian Economy can be realized when we come to know that as on January 2018, 345 government projects have incurred a cost overrun of INR 2.19 lakh crore. PM has a very good future in Engineering as Digitization, Robotization, Artificial Intelligence, IoT, Virtual Reality, 3D etc. are changing. PM is now a tool to implant the strategic changes aimed at adapting to the changes in market. With evolution of approach of PM now there is focus shift from efficient to effective PM. He told that project management information system (PMIS) for teams provide-

(i) Ease of Communication (Team collaboration software and file- sharing within and across project).

(ii) Schedule Check (Roadmap with automated follow – ups).

(iii) Ease of Orientation (Streamlined work management features).

(iv) Record Maintenance (Scrub boards for backlog visibility).

(v) Linked Information (Real – time updates between team members)

In the end, Hony. Secretary Er. R.P. Agrawal delivered vote of thanks.

By Dr. K.L.A. Khan on 27-08-2023

A lecture meeting was organized online on google meet on “Refrigerants” on 27th August, 2023. Dr. K.L.A. Khan Dean IEC and Professor, Department of Mechanical Engineering KIET Group of Institutions was the speaker. The session was started with a welcome note from Er. M.L. Jain, Chairman Meerut Local Centre. Dr. Khan said that Refrigerant is the primary working fluid used for absorbing and transmitting heat in a refrigeration system. Refrigerants absorb heat at low temperature and low pressure and release heat at a higher temperature and pressure. Most refrigerants undergo phase changes during heat absorption (evaporation) and heat releasing (condensation). Due to several environmental issues such as ozone layer depletion, global warming and their relation to the various refrigerants used, the selection of suitable refrigerants has become one of the most important issues in recent times. The thermodynamic efficiency of a refrigeration system depends mainly on its operating temperature. There are Primary and Secondary refrigerants . Primary refrigerants are fluids which are used directly as working fluids. Secondary refrigerants are fluids which are used for transporting thermal energy from one location to other. They are also known as Brines or Antifreezes. Generally the freezing point of a brine will be lower than the freezing point of its constituents. Essential properties of refrigerants include chemical stability, and latent heat of vaporization. Refrigerants are Halocarbons (R11, R12 etc.) and chloroflorocarbons called Freons also. He told Inorganic refrigerants include CO₂, water, NH₃, air, SO₂. He also discussed ozone layer and harmful consequences of ozone depletion on human and plants. He also discussed Montreal Protocol that was signed in 1987 under the ‘UNEP’ after much discussion. India ratified it on Sept 17, 1992.

In the end, Hony, Secretary Er. R.P. Agrawal delivered vote of thanks.

(D) Miscellaneous Activities:

1. Celebration of Independence Day on 15-08-2023

Congratulations

The following office bearers and committee members have been elected for the sessions 2023-24 &2024-25.

Name	Membership No	Designation
Er. R.P Agrawal	F-116019-9	Chairman
Er. S.C Mittal	F-018189-3	Hony.Secretary
Er. Rajneesh Kumar	F-117679-6	Member(MC)
Dr. K.L.A. Khan	F-127687-1	Member(MC)
Er. Suresh Chandra Govil	F-100668-8	Member(EL)
Er. Ramesh Chand	F-125321-9	Member(EL)
Er. Nikhil Kishore	M-469747	Member(CV)

