

Annual Report 2019-2020 (01.04.2019 -31.03.2020)

We are shifting from a mechanistic manufacturing industrial society to an organic, service based, information centered society. New issues are emerging as a sequel of this shift in focus. Classical engineering is to take the back burner. Multidisciplinary Engineering Sciences integrating the sciences with engineering has created a new demand on the engineering and technological institutions and has consequently brought in new challenges for them.

The period 2019-20 therefore witnessed resolute effort by the Committee of West Bengal State Centre to address the issues of clusters of high performance, knowledge based new technologies through organizing quality technical activities. Chairman, WBSC, IEI, on behalf of the committee extends sincere thanks and gratitude to all its Hon'ble Corporate Members for their valuable contribution, meaningful suggestions and services for smooth and eventful functioning of the State Centre during the period and takes pleasure in presenting its **Annual Report** of its activities for the **Year 2019 - 2020 (ending on 31.03.2020)**.

The Committee pays respectful homage to the departed souls of the Members who have expired during this period and convey its sincere condolence to the members of the bereaved family. The Committee also welcomes the new Members who have been enrolled during the year and invites them to join with the activities of the Centre and to contribute for enriching its noble causes.

Pursuant with its objective to further the cause of engineering fraternity, in particular and society in general, West Bengal State Centre of IEI have been continuously taking move to formulate and implement decisions through WBSC Committee to extend efficient and transparent services to the large number of its corporate members. During the year, WBSC Committee which met number of times to manage the affairs of the State Centre and various Sub-Committees assigned with specific responsibilities assisted, the WBSC Committee in formulation and implementation of number of decisions for better management of the State Centre.

This Committee had given special endeavour in increasing Institutional Membership and establishment of Student Chapters in different Engineering Colleges. We are happy to announce that we achieved modest success in this venture and continuing our endeavor. We are also committed to establish IEI Student chapters in every department of all Engineering Colleges and every Polytechnic Colleges in West Bengal.

Having our own Website www.ieiwbsc.in and it is being periodically updated, Members are able to access all information of the activities of West Bengal State Centre, while visiting the website.

The Committee had been seized with the perennial problem of low growth in the strength of Corporate Membership, which, is the vital concern, and likes to request all Members to extend their special support in the matter to encourage all the Engineering Graduates who did not take our Membership still now. Membership statistics is given hereunder:

CORPORATE MEMBER (Division wise as on 31.03.2020)

AG	87	CH	585	EL	3394	MC	4595	MR	525
AR	77	CP	525	EN	138	MM	320	PR	205
AS	26	CV	5378	ET	1954	MN	314	TX	238

Total: 18362

THE COMMITTEE

The new Committee took over at the 98th Annual General Meeting held on February 17, 2019.
The composition of the State Centre Committee for the Sessions 2018-2020 is as follows :

Shri Sandip Kumar Deb, FIE	:	Chairman
Shri Kashmir Lal Mallik, FIE	:	Immediate Past Chairman
Shri Kalipada Das, FIE	:	Honorary Secretary
Shri Ranjan Dutta, FIE	:	Immediate Past Honorary Secretary

EX-OFFICIO MEMBERS

Shri Sisir Kumar Banerjee, FIE
Shri S C Rudra, FIE
Prof. H B Goswami, FIE
Shri A Mukherjee, FIE
Shri Sujit Kumar Banerji, FIE

CHAIRMAN OF THE LOCAL CENTRES

Asansol

Shri Mukul Prasad, FIE

Durgapur

Prof. K C Ghanta, FIE

Kharagpur

Prof. Khanindra Pathak, FIE

North Bengal

Shri Gautam Das, FIE

MEMBERS

Dr Amit Kumar Ghosh, FIE	:	(AS)
Dr Laxmikanta Nayak, FIE,	:	(AG)
Shri Ashok Kumar Guha, FIE	:	(AR)
Prof. Nitosh Kumar Brahma, FIE	:	(CH)
Shri Somnath Roy Choudhury FIE	:	(CV)
Dr. Saibal Chakraborty, MIE	:	(CV)
Shri Gautam Kumar Bysack, MIE	:	(CV)
Shri Nirmal Das, FIE	:	(CP)
Dr. Raju Basak, MIE	:	(EL)
Shri Smarajit Das, AMIE	:	(EL)
Dr Subir Kumar Sarkar, FIE	:	(ET)
Shri Ram Chandra Chakraborty, MIE	:	(ET)
Shri Debasish Chakraborty. FIE	:	(EV)
Shri Atanu Kumar Mukherjee, FIE	:	(MR)
Shri Santanu Sengupta, FIE	:	(MC)
Shri Safikul Islam, MIE	:	(MC)
Shri Anirban Datta, MIE	:	(MC)
Shri Subrata Chandra, FIE	:	(MM)
Prof. (Dr.) Indranath Sinha, FIE	:	(MN)
Prof. (Dr.) Pradip Kumar Ray, FIE	:	(PR)
Prof. Sadhan Chandra Ray, FIE	:	(TX)

EMINENT ENGINEERS

Prof. (Dr.) Saikat Maitra, FIE
Prof. (Dr.) Gautam Sengupta, FIE

Apart from aforesaid Engineering Division, the West Bengal State Centre has also been shading under its rigid and stout umbrella with the following Sub-Committees, which are functioning with untiring efforts for smooth and efficient running of the versatile activities of the Centre as per Regulation 3 (d) for one session i.e. 2018-2019.

Infrastructure Sub-Committee

Shri Tapas Saha, MIE

Public Relation Sub-Committee

Shri B K Jain, FIE

Technicians' Sub-Committee

Shri Tarun Kumar Ray Choudhury, MIE

Students Sub-Committee

Shri Avinash Singh, FIE

Technical Sub-Committee

Prof. (Dr.) Swapan Kumar Ghosh, FIE

Publicity Sub-Committee

Shri Aparesh Kanti Ghosal, MIE

Membership Growth Sub-Committee

Shri R N Lahiri, FIE

Again for another session i.e. 2019-2020 the West Bengal State Centre has also been shading under its rigid and stout umbrella with the following Sub-Committees, which are functioning with untiring efforts for smooth and efficient running of the versatile activities of the Centre as per Regulation 3 (d).

Infrastructure Sub-Committee

Shri Dilip Kumar Dhar, FIE

Public Relation Sub-Committee

Prof. (Dr.) Sujoy Biswas, FIE

Technicians' Sub-Committee

Dr. Debabrata Chowdhury, FIE

Students Sub-Committee

Shri Avinash Singh, FIE

Technical Sub-Committee

Prof. N.R. Bandyopadhyay, FIE

Publicity Sub-Committee

Shri Aparesh Kanti Ghosal, MIE

Membership Growth Sub-Committee

Shri R N Lahiri, FIE

Publication Sub-Committee

Prof. (Dr.) Swapan Kumar Ghosh, FIE

ACTIVITIES

General

During the year, the State Centre felicitated **Shri Narendra Singh, FIE, Hon'ble Centenary President**, The Institution of Engineers (India).

166th Birth Day of **Sir Rajendra Nath Mookerjee**, the founder President of The Institution of Engineers ((India) was observed befittingly by the State Centre on the 23rd June 2019.

The State Centre also celebrated **52nd Engineers' Day** to commemorate the Birth Day of **Bharat Ratna Sir Mokshagundam Visvesvaraya**, the great Engineer – Statesman, a visionary and an ever respected social worker whose entire life was devoted for advancement of engineering science & technology for the betterment of common people.

The State Centre observed the **World Telecommunication and Information Society Day** on **28.05.2019**, **World Environment Day** on **06.06.2019**, **Royal Charter Day** on **09.09.2019**, **World Habitat Day** on **19.11.2019** in a befitting manner.

The State Centre successfully conducted **Section A & B Examinations** of IEI during June & December 2019. Total number of examinees registered in the above examinations were as under:

Examination	SECTION – A (D)	SECTION – A (ND)	SECTION - B	Total
Summer 2019	333	48	374	755
Winter 2019	321	33	352	706

Guidance classes for students of **Section A & B Examination** of IEI were arranged under Supervision of Technical Education Cell of the State Centre wherein good number of student are benefitted.

TECHNICAL

During the year under review, several Lecture Meetings were organized by various Divisional Sub-Committees where distinguished Speakers from across the country and also from abroad delivered the lectures. Lecture meetings were well attended.

The State Centre also organized All India Seminars, One Day Seminars, Memorial Lectures and International Conferences under the aegis of Architectural, Agricultural, Civil, Chemical, Computer, Environmental, Electrical, Electronics & Telecommunication, Mechanical, M M, Marine, Production and Textile Engineering Division, where a good number of quality technical papers by distinguished authors from all over India were presented.

The 99th Annual General Meeting of the West Bengal State Centre and 100th Inaugural Session were held on 20th October 2019. **Dr. (h.c.) Adv. Mamta Binani**, Past President (2016), the Institute of Company Secretaries of India (ICSI), graced the occasion as **Chief Guest**.

The West Bengal State Centre also arranged a Special Programmes i.e. **INDUSTRY – ACADEMIA INTERFACE PROGRAMME** held on **August 07, 2019**, **WORLD ENGINEERING DAY -2020** held on **March 4, 2020** and **150th Birth Anniversary of The Father of the Nation – Mahatma Gandhi** held on **2nd October 2019**.

ONE DAY SEMINAR					
SL. No.	THEME	DIVN.	SPEAKER	DATE	NO. OF PARTICIPANTS
01	“Innovative Technologies, Fluid Systems And Smart Manufacturing”	MC In association with Adamas University	Address by Dr. Saikat Chatterjee , HoD, Mechanical Engineering , Adamas University Chief Guest Prof. Shankari P Ghosh , Dean, School of Engineering & Technology Key Note Address Prof. A Mukhopadhyay , Professor, Jadavpur University	09.05.2019	92

			Dr. D Bhattacharya , Senior Principal Scientist, CGCRI(CSIR)		
02	“Technological Challenges in Mass Coal Production System”	MN	Address by Guest of Honour : Shri D V Pichamuthu , Council Member and Member, MNDB, IEI Address by Chief Guest: Shri Avijit Mallik , General Manager, (Jhanjra, ECL) Speakers : Mr. Kalyan Kumar Hajra (from JMS) Prof. (Dr.) Netai Chandra Dey (from IEST Shibpur) Mr. Anupam Bagchi (from Hindalco) Mr. Sumit Banerjee (from IEST Shibpur)	27.07.2019	57
03	“Chemical and Biosafety”	CH	Address by the Invited Speaker: Er. Mrityunjoy Sil , Head of the Safety Engineering Dept. Haldia Petrochemical Ltd. Haldia. Special Guest : Prof. (Dr.) Chiranjib Bhattacharjee , Ex Head, Chem. Engg. Dept, Dean FE, Pro. Vice Chancellor, Jadavpur University Speakers; Prof. N.K. Brahma , Convener, Che. Div. WBSWC/ IEI, Visiting Prof. IGE-Badu, Kolkata, Ec Faculty, IIT-Kharagpur Er. Anshu Saraf , Consultant, Member of ChE.Div, WBSC/IEI Er. Anjan Kumar Bhattacharyya , Regional Head / Director PCRA Er. S.K. Hazra , Director, (Engineering and Consultancy Division.) DW' S Technical Limited,	24.08.2019	33
04	“Advancement in Marine Technology”	MR <i>in association with</i> The Institute of Marine Engineers (India), Kolkata Branch	Address by Guest of Honour: Shri Amit Bhatnagar , Senior Principal Surveyor & Vice President, Indian Register of Shipping, Kolkata Address by Guest of Honour: Cmdr Asoke Bhal, VSM (Retd.) , Campus Director, Indian Maritime University (Kolkata Campus) Address by Chief Guest : Shri B N Bera , Ex Director, DMET, Kolkata Speakers: Shri S K Sarkar Shri Subrata Mukherjee CDT Arkodeb Basu Interactive Session : Chaired by Shri Atanu Kumar Mukherjee , Convener, Marine Engg. Division	25.09.2019	84

05	“Alternative Means of Clean and Green Mechanised Urban Transportation - Present Challenges and Future Horizons	MC In association with : Institution of Mechanical Engineers (UK)	Chief Guest Mr. Narayan Swaroop Nigam, IAS, Secretary Transport Department, Govt. of W.B. Guest of Honour Prof. (Dr.) Ajoy Kumar Ray , Director, JIS Institute of Advance Studies & Research Mr. Sanjiv Mhetre , General Manager (Mechanical), Indian Port Rail & Ropeway Corporation Ltd., Key-note address Mr. Shekhar Chakravarty , Managing Director Conveyor & Ropeway Services Pvt. Ltd., and Chairman, Southern Asia Region Institution of Mechanical Engineers, UK	31.01.2020	110
06	“Environmental Pollution from Ships”	MR <i>in association with</i> The Institute of Marine Engineers (India), Kolkata Branch	Chief Guest Shri Amit Bhatnagar , Senior Principal Surveyor & Vice President, Indian Register of Shipping, Kolkata Guest of Honour Shri Alok Kr. Sarkar , Senior Marine Engineer	14.03.2020	47

ONE DAY WORKSHOP

SL. NO.	THEME	DIVN.	SPEAKER	DATE	NO. OF PARTICIPANTS
01	“Sustainable management of water resources in agriculture”	AG	Address by Speakers : Dr. R.C. Srivastava , Vice Chancellor, Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar Dr. R.K. Singh , Director, ICAR-Central Institute for Post Harvest Engineering & Technology, Ludhiana, Punjab Dr. Dhurjati Prasad Sinha Babu , Ex. Principal Scientist, ICAR – NRRI, Cuttack, Odisha. Dr. Chinmoy Kundu , Agriculture Specialist at West Bengal Accelerated Development of Minor Irrigation Project, West Bengal Dr. B N Ghosh , Principal Scientist, ICAR-NBSSLUP Regional Centre, Kolkata, West Bengal	05.07.2019	99

ALL INDIA SEMINAR

SL. NO.	THEME	DIVN.	SPEAKER	DATE	NO. OF PARTICIPANTS
01	"Chemical and Biochemical Process Intensification"	CH	Chief Guest : Prof. Manabendra Nath Bandyopadhyay , Director, Haldia Institute of Technology Guest of Honour Prof. Asit Kumar Mitra , Emeritus Professor, Former President, IChE, Kolkata, Former Head, Chemical Engg. Deptt., J.U. and Former Chief Editor, Indian Chemical Engineering Journal Special Guest Prof. (Dr.) Parul Chakrabarti , Director and Co-ordinator, JCBSHM & Sir J C Bose Trust Key Note Address Prof. Asit Kumar Saha , Principal, Haldia Institute of Technology	25-26.10.2019	74
02	"Flue Gas Desulphurization for Coal based Thermal Power Plants in India-Mandate and Implementation"	MC	Chief Guest: Mr. Rabi Chowdhury , Managing Director-Generation CESC, Limited Guest of Honour Mr. P P Gupta , Managing Director, Techno Electric & Engineering Co. LTd., About the Theme: Mr. Bhaskar Dutta , Vice President , Thyssenkrupp Industries India Address by : Mr. Yatish Kumar , Chairman & Managing Director Braithwaite & Co. Ltd., Key-note Address Prof. (Dr.) Mohsen Assadi , Department of Energy and Petroleum Engineering, Faculty Of Science and Technology University of Stavanger, Norway	3-4.12.2019	210

INTERNATIONAL CONFERENCE					
SL. NO.	THEME	DIVN.	SPEAKER	DATE	NO. OF PARTICIPANTS
01	“Synthesis, Characterization and Application of Nanomaterials”	<p>MM</p> <p>In collaboration with University of Central Florida (UCF) USA, School of Materials Science and Engineering, IEST, Shibpur, World Federation of Engineering Organisation (WFEO) and Materials Research Society Singapore(MR S-S) also consented to be Knowledge Partner for this conference</p>	<p>Chief Guest: Prof. Marc Madou, Chancellor’s Professor, University of California at Irvine, USA Guest of Honour Prof. Parthasarathi Chakrabarti, Director, IEST, Shibpur, Howrah, India Address by Dr. T M Gunaraja, President, IEI Address by Dr. Sri Bandyopadhyay, International Chair, SCAN2019, UNSW, Australia About the theme Prof. N R Bandyopadhyay, Chairman, Scientific Committee, SCAN-2019</p>	1-2.11. 2019	149
02	“Impact of Changing Energy Mix in the Power Sector”	<p>EL</p> <p>In association with The University of Johannesburg, South Africa,</p> <p>Aalborg University, Denmark</p> <p>Techno India University, West Bengal</p>	<p>Address by Chief Guest Mr. Sovandeb Chattopadhyay Hon’ble Minister of Power, Government of West Bengal Address by Mr. Sisir Kumar Banerjee, Immediate Past President, IEI Address by Guest of Honour Mr. Rabi Choudhury, MD (Generation), CESC Limited Address by Guest of Honour Mr. Sutirtha Bhattacharya, IAS (Retd.), Chairperson, West Bengal Electricity Regulatory Commission Address by Guest of Honour Hon’ble Justice S J Mukhopadhyay, Chairperson, National Company Law Appellate Tribunal Address by Guest of Honour Mr. Sheikh Faezul Amin, Joint Secretary, Power Division, Ministry of Power, Energy and Mineral Resource, Bangladesh</p>	23-24.11.2019	190

			Address by Guest of Honour Mr. A K Mishra , MD, Mangdechhu		
03	“Innovative Approaches for the Development of Sustainable Textile”	<p>TX</p> <p>In association with Department of Textile Engineering, Daffodil International University, Dhaka, Bangladesh, Unicept Chema LLP, Navi Mumbai, The Bombay Textile Research Association (BTRA), Mumbai, DKTE Society’s Textile & Engineering Institute, Ichalkaranji, ICAR-National Institute of Natural Fibre Engineering & Technology, Kolkata Organised by : Textile Engineering Division</p>	<p>Welcome Address by Er. Sandip Kumar Deb, Chairman, WBSC, IEI Address by Chief Guest Prof. Dr. Eng. Habil. Mirela Blaga, Ctex, ATI, Gheorghe Asachi Technical University of Iasi, Romania About the theme by Prof. Sadhan Chandra Ray, Organising Secretary, ICTX2020 Address by Guest of Honour Shri Sisir Kumar Banerjee, Past President, IEI Er. Sukumar Roy, Managing Director, Amer-Sil Ketex Ltd., Address by : Er. Arunava Kundu, Chairman, Textile Engineering Division Board, IEI Key Note Address by Prof. Subhas Ghosh, Eastern Michigan University, USA Introduction of the Chief Guest Er. Kalipada Das, Honorary Secretary, WBSC, IEI Vote of thanks Maj Gen (Dr.) S Bhattacharyya, VSM (Retd.) Secretary & Director General, IEI</p>	9 – 10.02.2020	167

			LECTURE MEETING		
SL. NO.	THEME	DIVN.	SPEAKER	DATE	NO. OF PARTICIPANTS
01	Theme: "Fibre Wealth of India – Raw Material for Sustainable Development of the Nation"	TX	Speaker: Dr. Gautam Bose , Principal Scientist & Head, Mechanical Processing Division ICAR – National Institute of Natural Fib re Engineering and Technology (NINFET)	25.04.2019	60
02	Theme : "Hydrogen Production Through Electrolysis of Water – A Source of Green Energy"	CH	Speaker Dr. Biswajit Mandal , Associate Professor, Chemical Engineering Dept. , Haldia Institute of Technology	26.04.2019	35
03	Theme : "Seven Glorious Decades of Corporate Excellence with Social Responsibility: Generation and Distribution of Electricity in Chemical, Pharmaceutical and Agriculture Industries"	CH	Speaker: Dr. Prabir Kumar Mukhopadhyay , Member Secretary, Damodar Valley Corporation	25.05.2019	45
04	Theme: "Green Composite"	TX	Speaker: Dr. Samrat Mukhopadhyay , Associate Professor, Department of Textile Technology, IIT Delhi	07.06.2019	88
05	Theme: "Data Analytics – An Overview"	CP	Speaker: Prof. Dipankar Das , The Heritage Academia, Kolkata	03.07.2019	41
06	Theme: "The New Space : Trends in Exploration with Small Satellites"	MC	Speaker Dr. Supriya Chakrabarti , Director, Lowell Center for Space Science and Technology University of Massachusetts, Lowell	02.08.2019	56
07	Theme : "Product Innovation with Textiles : The Fundamentals and the Scope"	TX	Speaker Prof. Parikshit Goswami , Professor in Technical Textiles & Director – Technical Textiles Research Centre, School of Applied Sciences, University of Huddersfield, UK	20.11.2019	60

08	Theme : “Water Resources Development and Management : Issues and Challenges”	CV	Speaker Prof. Asish Majumder , School of Water Resource Engineering , Jadavpur University	12.02.2020	64
09	Theme : Sustainable Agenda in the Textile Research and Development	TX	Speaker Prof. Mangesh D. Teli , Retd. Professor, Dept. of Fibres and Textile Processing Technology Institute of Chemical Technology (ICT), Matunga, Mumbai	21.02.2020	41
10	Theme : Wind Effect on Structures and Wind Tunnel Testing	CV	Speaker Dr. Arindam Ganchowdhury , Professor of Civil and Environmental Engineering Florida International University, USA	February 27, 2020	57
			STATUTORY PROGRAMME		
SL. NO.	THEME	DIVN	SPEAKER	DATE	NO. OF PARTICIPANTS
01	World Telecommunication and Information Society Day-2019 Theme : “Bridging the standardization gap” Speaker: Mr. Chanchal Chakraborty Technical Head, Reliance JIO	ET	Speaker: Mr. Chanchal Chakraborty Technical Head, Reliance JIO	28.05.2019	76
02	World Environment Day – 2019 Theme: “Air Pollution”	EN	Chief Guest: Mr. B. B. Singh , Chairman cum Managing Director , MSTC Limited Key-note Address: Dr. Anupam Debsarkar , Associate Professor, Department of Civil Engineering, Jadavpur University	05.06.2019	96
03	ROYAL CHARTER DAY	WBSC	Speaker: Maj Gen (Dr.) S Bhattacharya, VSM (Retd.) Secretary & Director General, IEI	09.09.2019	88
04	52ND ENGINEERS’ DAY Theme: “Engineering for Change”	WBSC	Speaker: Er. Rajesh Prasad Executive Director Rail Vikas Nigam Limited (RVNL)	15.09.2019	218

05	WORLD HABITAT DAY Theme : “Frontier Technologies as an Innovative Tool to Transform Waste into Health”	AR	PANEL SPEAKERS Prof. Arunabha Mazumder Dr. Nilangshu Bhusan Basu Mr. Diptarup Kahali	19.11.2019	80
01	166th Birthday Celebration of Sir R N Mookerjee Topic: “Prospects & Challenges for Indian Industries vis-a-vis Energy and Environment”	WBSC	Speaker Prof Chaitanyamoy Ganguly , Padmashri, FNA, FASc, FNASc, FNAE, FIE, Humboldt Fellow INAE Distinguished Visiting Professor, IEST, Shibpur, Former Distinguished Scientist, DAE, Gol, Former Director, CSIR- CGCRI Adviser to Director General & Distinguished Professor, Nuclear Engineering <i>Pandit Deendayal Petroleum University (PDPU)</i> ,	23.06.2019	92
			SPECIAL PROGRAMME		
SL. NO.	THEME	DIVN	SPEAKER	DATE	NO. OF PARTICIPANTS
01	INDUSTRY – ACADEMIA INTERFACE PROGRAMME Theme : “Imperatives of Engineering Education : Enhancing Skills and Employability”	WBSC	Speaker Welcome Address: Er. Sandip Kumar Deb , Chairman, WBSC, IEI On the theme of the Seminar: Prof. (Dr.) Gautam Sengupta , Chairman, Industry Academia Interface Programme, WBSC, IEI Address by Guest of Honour: Er. Sisir Kumar Banerjee , Immediate Past President, IEI Address by Special Guest: Ms. Manoshi Raychoudhury , Co- Chancellor, Techno India University Address by Special Guest: Dr. T M Gunaraja , President, IEI Introduction of the Chief Guest: Dr. Raju Basak , Jt. Honorary Secretary, WBSC, IEI Address by Chief Guest: Shri Alope Mookherjea , Chairman Emeritus, Flakt India	07.08.2019	119

			<p>Limited, Former Chairman, WEBEL Vote of thanks: Er. Kalipada Das, Honorary Secretary, WBSC, IEI TECHNICAL SESSION</p> <p>Session – I Topic : Synergy Between Engineering Education and Manufacturing Industry Moderator : Shri Santanu Sengupta, Co-Chairman, Mech. Engg. Divn., WBSC, IEI Mr. Sushanta Sinha, Agile Coach & Senior Consultant, TCS Limited Prof. Heleena Sengupta, Professor and HOD, Department of Civil Engineering, Chief Advisor – Industry Relations and Placement, Techno India University Dr. Abhijit Mitra, Sr. Professor & Director of Research, Techno India University Mr. Kaushik Roy, Managing Director, Phillips Carbon Black Limited</p> <p>Session - II Topic : Skills and Employability – The Big Challenge Moderator : Prof. (Dr.) N R Bandyopadhyay, Chairman, MMDB, IEI Shri Kalyan Kar, Former MD, Acclaris Shri Pradip Chopra, Chairman, iLEAD (Institute of Leadership, Entrepreneurship and Development) Shri Biswanath Bhattacharya, President, Federation of Small & Medium Industries (FOSM MD, Aurpool Industries</p>		
02	<p>WORLD ENGINEERING DAY - 2020 Theme : World Engineering Day for Sustainable Development</p>	WBSC	<p>At the instance of Er. Narendra Singh, President, IEI, and as instructed by the Chairman, WBSC, IEI Er. Sandip Kumar Deb, Immediate Past Chairman, WBSC, IEI, Er. Kashmir Lal Mallik organised an</p>	04.03.2020	98

			<p>Industrial Visit as a part of Celebration of World Engineering Day for sustainable Development on 4th March, 2020 at 10.00 a.m.</p> <p>Mr. Yatish Kumar, CMD, Braithwaite & Co Ltd also Chairman Mechanical Engineering Divl. Sub Committee, WBSC, IEI kindly allowed us to visit both Clive Works & Victoria Works of Braithwaite & Co Ltd. leading Wagon Builders & Structural Engineers. At the courtesy of Er. R N Lahiri, Founder & Director Techno International, Batanagar some Engineering Students & Faculty Members from Batanagar Institute of Engineering participated. Some Corporate Members also joined the visit.</p> <p>Panel Discussion was also arranged at 6.00 p.m at Sir R N Mookerjee Hall on 4th March 2020.</p> <p>Speakers: Prof. Arunabha Majumder, Professor Emeritus, School of Water Resources Engg., J U Er. Yatish Kumar, Chairman & Managing Director Braithwaite & Co. Ltd., Er. Shekhar Chakravarty, Managing Director Conveyor & Ropeway Services Pvt. Ltd.</p>		
03	150th Birth Anniversary of The Father of Nation – Mahatma Gandhi	WBSC	<p>Welcome Address : Er. Sandip Kumar Deb, Chairman, WBSC, IEI</p> <p>Speakers Er. Sujit Kumar Banerjee, Council Member, IEI Prof. N K Brahma, Convener, Chem. Engg. Divn. Er. Gautam Kumar Bysack, Working Chairman, Civil Engg. Divn</p> <p>Vote of thanks : Er. Kalipada Das, Honorary</p>	02.10.2019	53

			Secretary, WBSC, IEI		
			ANNUAL GENERAL MEETING		
SL. NO.	THEME	DIVN	SPEAKER	DATE	NO. OF PARTICIPANTS
01	99 th Annual General Meeting & 100 th Inaugural Session	WBSC	Chief Guest Dr. (h.c.) Adv. Mamta Binani Past President (2016), The Institute of Company Secretaries of India (ICSI)	20.10.2019	222
			FELICITATION PROGRAMME		
01	Felicitation Programme of Presidents, IEI Er. Narendra Singh, FIE President, IEI	WBSC	Hon'ble Centenary President Er. Narendra Singh, FIE The Institution of Engineers (India)	15.01.2020	115
			MEMORIAL LECTURE		
SL. NO.	THEME	DIVN	SPEAKER	DATE	NO. OF PARTICIPANTS
01	33 rd A K Ghose Memorial Lecture Topic: "Indian Power Scenario & role of POWERGRID"	EL	Speaker: Mr. N K Ohdar Executive Director, Power Grid Corporation of India Ltd., Eastern Region Transmission System – II	02.05.2019	45
02	3 rd Archan Kusum Majumdar Memorial Lecture Topic: "Challenges & Opportunities of Imparting Technical Education in Remote Places of India"	CV	Speaker: Prof. (Dr.) Rajat Gupta` Director National Institute of Technology, Mizoram	26.05.2019	92
03	H Nandy Memorial Function Topic: "Development Of Aerospace Grade Investment Cast Components For Application In Indian Space Programme"	MM	Speaker: Dr. Govind Group Head, CSFG/MMG, VSSC, Trivandrum	06.08.2019	53
04	17 th Prof. J K Choudhury Memorial Lecture Topic: "Challenges in Indian Power	EL	Speaker: Shri Subhasis Ghosh Director (O & M), WBPDC	08.08.2019	43

	Sector in Future”				
05	Prof. A K Seal Memorial Function Topic: “Sustainability and Energy Efficiency for Indian Steel Industries”	MM	Speaker: Dr. Debasis Mukherjee Former Executive Director, R & D Centre for Iron & Steel, SAIL, Ranchi	03.09.2019	42
06	41st Asoke Kumar Sen Memorial Lecture	CV	Chief Guest and deliver the Commemorative Lecture by : Padmashree Prof. (Dr.) Ajoy Kumar Ray , Director, JIS Institute of Advance Studies and Research and Ex Director, IEST, Shibpur	10.12.2019	90
			GUIDANCE CLASSES		
	CONTINUING EDUCATION COURSE		Guidance Classes Section A & B: January to June - 2019 Section – A / AD : 2 Classes per week & July to December - 2019		50
SL. NO.	TOTAL COMMITTEE MEETINGS		11 Nos.		