INDUSTRIAL ENGINEERING NEWS

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CHAIRMAN'S MESSAGE

Dr. Amiya Kumar Behera
Chairman
Indian Institution of Industrial Engineering

Dear Esteemed Friends,

With great pleasure I am presenting you the May-2023 issue of the newsletter of IIIE containing an overview of the major initiatives and events of IIIE undertaken/ organized by NHQ as well as various chapters during the month of April-2023, could be possible due to the significant contributions of the esteemed NC/ Chapter Council Members and the active involvement of NHQ Staff as well as the members.

We are almost at the finishing line of all preparations for the ensuing 23rd CEOs Conference being held at Taj Samudra, Colombo, Sri Lanka during 5th -7th May, 2023 on a theme Circular Economy and Strategic Sustainable Development. The team IIIE (the conference organizing team along with National Council and Chapter council members, NHQ Staff)) remained extremely busy during the entire month of April in approaching companies for delegation as well as sponsorship, making logistics arrangement etc. They as a team worked relentlessly, leaving no stone unturned to make the conference successful through increased participation of delegates from across various states of India. The sincere efforts made by the team has led to getting confirmation from many industries(both private & public)/ organizations on supporting the event through sponsorship, delegates, advertisements etc. Moreover, our President Mr. Rahul Sahai, CEO, KOEL has also consented to be a part of the event, no doubt his presence would inspire all the participants. The details on the said event will be covered in the subsequent issue of the newsletter.

We are glad that our Chapters spread across various states of the country have been actively engaged in organizing some kind of local level events as evident from the reports of the last month, which certainly is laudable. I would sincerely appeal all the Chapters to stick to the deadline of submission of audited accounts of their respective chapters so that the finalization of accounts followed by audit of accounts at NHQ level can be completed within time for placing before the AGM.

Let us continue working in team spirit as demonstrated in the past and collectively make efforts towards betterment of our esteemed institution 'IIIE'. We look forward to your suggestions and feedback all the time through Email: chairmannc4iiie@gmail.com to bring improvements in our future endeavors.



Dr. Amiya Kumar Behera

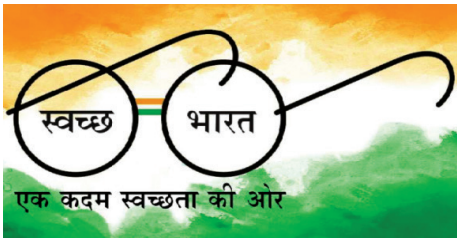
INSTITUTE OF INDUSTRIAL & SYSTEMS ENGINEERS

International Organisation Partner

Upcoming Events

Indian Institution of Industrial Engineering, (IIIE)
National Headquarters
ANNOUNCES
23RD CEO's CONFERENCE
Theme
"Circular Economy & Strategic Sustainable Development."
from
05th to 07th May 2023
at
Taj Samudra,
Colombo, Sri Lanka

For more details:
Website: www-iiie-india.com
Email: conference4iiie@gmail.com





MECHANICAL DATA

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EDITOR'S MESSAGE

Dr. Sasmeeta Tripathy

Greetings to All Members and Readers!

It's our humble duty to offer our deepest condolences on behalf of IIIE to mourn the loss of the eminent educationist and Industrial Engineer, Prof. K.C.Sahu, for his yeoman service to industrial Engineering Profession during his life time. We pray fervently for the loss and have an exclusive column to his honour in the current issue.

I present to you the May issue of Industrial Engineering Newsletter after compiling the notable work carried out by various chapters. The members are working very effectively through collaborative activities with the strong understanding on the interdependence between industry and academia.

This issue presents the exemplary work performed by Kolkata, Bangalore, Jamshedpur and Odisha Chapters. Kolkata Chapter organized a Webinar on an impressive topic of "Layout and Transportation Logistics: Beyond Text Book, a Challenge for an Engineer" whereas Jamshedpur chapter organized an industrial visit to Graphiti Centre. The members are continuously thinking of new ways to integrate, excel and make the profession of Industrial Engineering reach greater heights in the days to come. We appeal the chapters, student chapters and other recognised authors to share reports on emerging areas and other areas of readers interest such as renewable energy, power scenario in India, Industrial challenges in work, workforce and workplace, Opportunities of smart manufacturing for improved sustainability and efficiency, Application of data science, AI and ML to reduce the time and cost of manufacturing in core industries and many more. With a hope and belief that readers will find this issue interesting, we request for your feedbacks, comments and suggestions about future improvements of this newsletter at journal4iiie@gmail.com. The newsletter has been brought to its present form with the valued suggestions from Honourable Chairman and Honorary Secretary and continuous efforts of the NHQ staff.

Hope you all will enjoy going through the issue.

IIIE NHQ

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WEBSITE
www.iiie-india.com

EMAIL

All concerned are to note that following. IIIE e-mail Ids' have been discontinued. The new IDs' related to old ID's are shown against each

	Old IDs	New IDs
Admission	exam-iiie@iiie-india.com	iiieexamdept@gmail.com
Examination	exam-iiie@iiie-india.com	iiieexamdept@gmail.com
Membership	membership-iiie@iiie-india.com	member4iiie@gmail.com
Publication	editor-iiiejournal@iiie-india.com	journal4iiie@gmail.com
Project	–	iiieproject2017@gmail.com
Viva	–	iiieviva2017@gmail.com
Assignment	–	iiieassignment@gmail.com

A TRIBUTE TO PROFESSOR K. C. SAHU



We, the members of IIIE is deeply saddened by the demise of our former President Prof. K. C. Sahu on 15th April, 2023 in LA, USA. He was founder and pioneer in establishing Industrial Management Centre at IIT Kharagpur. Later he also worked as Director of NITIE Bombay,

Professor K C Sahu was a teacher par excellence and an adorable human being. As the founder head of the Industrial Management Centre (IMC) at IIT KGP, he made significant impact in making it as the most preferred educational destination in the Subcontinent. He transformed the activities of the Industrial Management Centre and brought excellence in all facets of learning, education, training, research, consulting, and institute-industry collaboration. He has left an indelible mark on IIT Kharagpur, be it in teaching, research, or student related activities. He also worked as a member of State Planning Board, Odisha (1994 and 1995), BOG IIT Kharagpur (1986–87), BOG REC Rourkela (1977–82), and College of Accountancy and Management, Cuttack (1992–95).

Professor Sahu's association with IIIE has been for long years since its foundation (LF 1089). He was a Member of IE Journal Editorial Board as well as Board of Examinations (BOE) for many years besides contributing many papers for publication in IE Journal and received Best Paper Award many a times. He was President of IIIE during the period 1985-1986. He is the first recipient of President's Cup (presently Lillian Gilbreth Award), IIIE (1997) for excellence in professional contribution. Professor Sahu's contribution to Industrial Engineering education and to the profession in this country will be remembered for years to come.

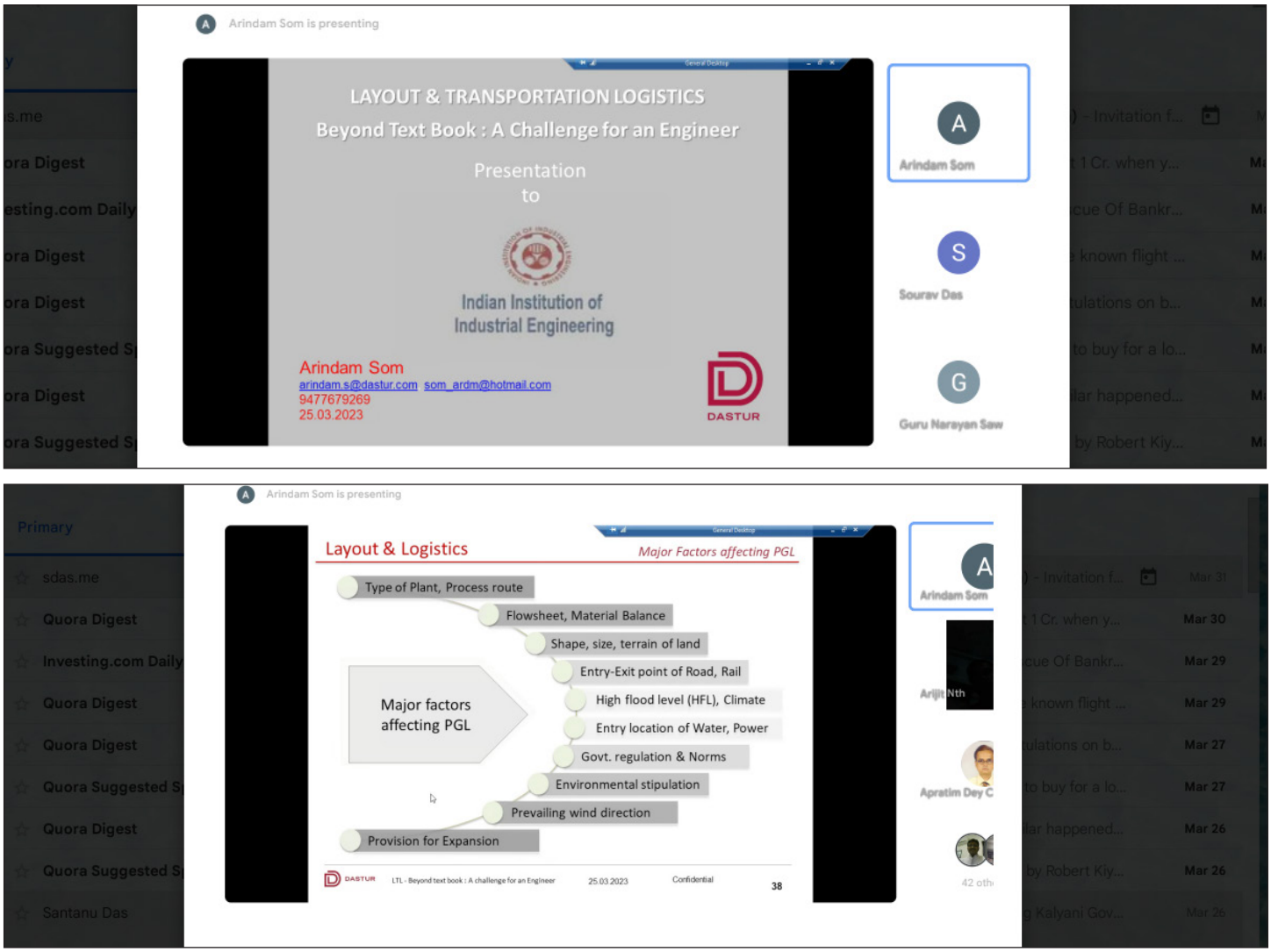
While expressing our heartfelt condolences to his bereaved family, we pray that 'may his soul rest in peace'.

Dr A.K. Behera
Chairman, IIIE

Kolkata Chapter

Webinar on 'Layout and Transportation Logistics: Beyond Text Book, a Challenge for an Engineer'

A webinar was held on the topic 'Layout and Transportation Logistics: Beyond Text Book, A Challenge for an Engineer', on 25th March 2023. Mr. Arindam Som, Technical Director and Head of the department of Layout and Transportation Logistics, M. N. Dastur & Co. (P) Ltd. was the invited speaker on the occasion. Chapter Secretary, Mr. A. Dey Chowdhuri delivered the welcome address. Prof. (Dr.) Santanu Das, Chairman of the chapter inaugurated the programme. Mr. Som in his deliberation elaborately explained the process of developing 'Layout' of a large multifunctional manufacturing steel plant occupying optimum land. The integration with its in-plant logistics ensuring the safe and smooth implementation and operation of the plant, adhering to the environmental and all other statutory stipulations with optimum time and cost was also discussed. Depicting excellent presentation slides, he showed how Plant General Layout (PGL) of large Steel plants in India and abroad has been developed. The process of design and development of interrelated dynamic transportation system in a logical manner, in order to ensure uninterrupted receipt of inbound and outbound material in a steel plant was also highlighted. He explained the application of Simulation for establishing correlation between various variable parameters of a dynamic operating system. The optimum process route and resource planning was discussed which includes working out the hidden capacity and efficiency of a system under different operating scenario while calculating degree of sensitivity of each variable parameter over the entire part of the system. Hon. Chairman, Prof. (Dr.) Santanu Das conducted the interactive session, where there was a prolific conversation on different aspects of Transportation logistics, Simulation and use of CAD Software. The programme was concluded by Mr. D. Chatterjee, Jt. Secretary of the chapter, delivering vote of thanks.



Mr. Arindam Som delivering his talk during the webinar

Bangalore Chapter

INTEGRATE AND PROGRESS

The 42nd Council meet of IIIE BC was held at BMSCE, Basavanagudi, Bengaluru, on 25th Mar 2023, 12:30 am. Members Present: Sri Hari Rao Chaturvedi, President of the chapter, Dr. B Ravishankar, Chairman, Sri KS Ravi Kumar, Vice Chairman, Sri K Balasubramanyam, Hon. Secretary, Sri M K Krishna, Member.

1) Proposed IIIE National Convention- 2023

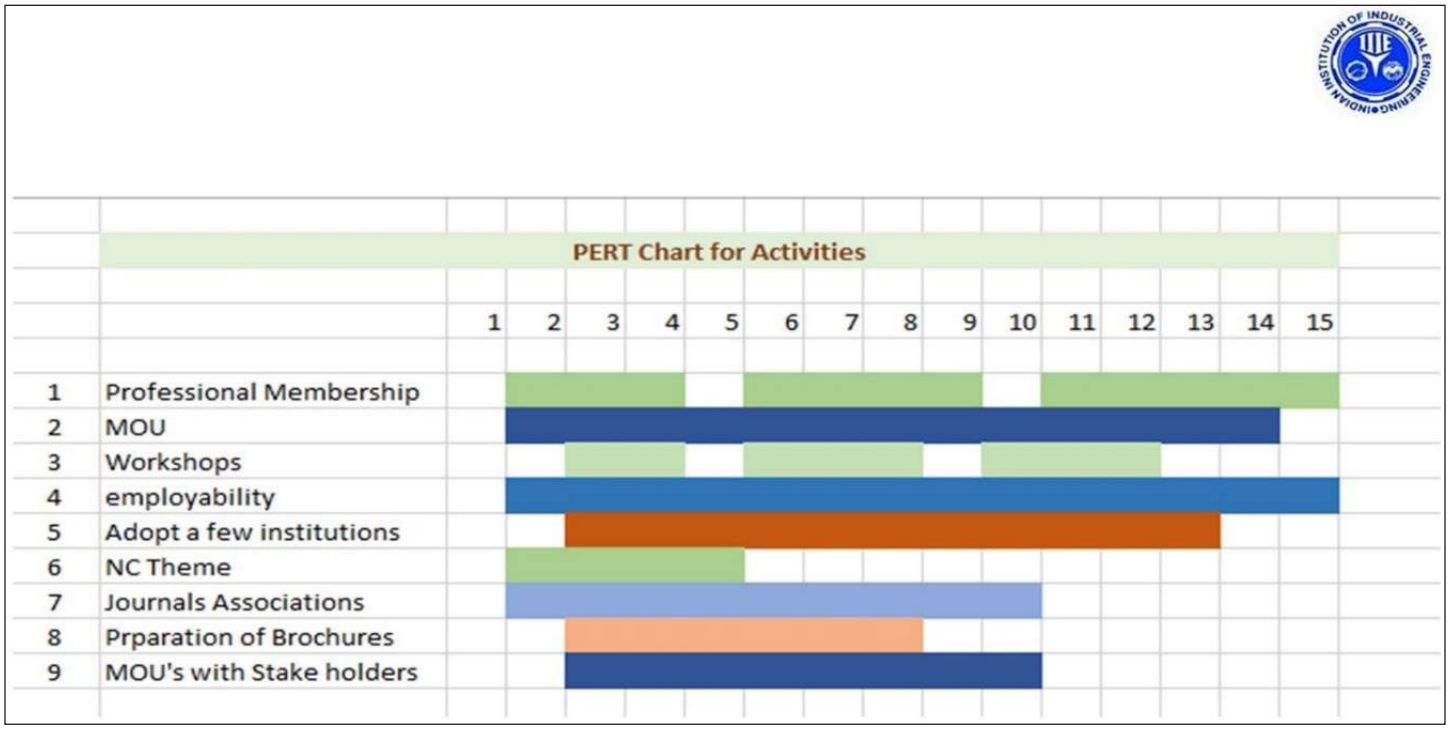
The Council reviewed the preparations and discussed the time available for the conducting of the proposed National Convention in Bengaluru in Nov / Dec 2023 and recalled the broad tentative activity chart prepared for the purpose (attached). This would be refined by the inclusion of more sub activities.

The Council suggested that V-Chairman may write to Chairman-NHQ on behalf of Chairman-BC, to seek Rs. 2 lakhs advance amount as part of seed money from NHQ and also to get NHQ feedback before proceeding to initiate many activities towards planning the Convention above. The Council said this advance amount would be reflected in the National Convention budget estimate 2023 to be prepared by the Treasurer-BC and sent to NHQ to get the full seed money from NHQ for the Convention and later in the final Accounts after the Convention..

2) Other Points:

Chairman-BC informed the Council due to the increased academic load at his college and also due to personal reasons; he found it difficult to contribute to NHQ Council as its member to his satisfaction and therefore has tendered his resignation to NHQ Council. He however said that he would continue to serve in the Bengaluru Chapter Council and look forward to conducting cum hosting the National Convention during Nov / Dec 2023.

The BC Council meet concluded with a resolve to plan and work for the success of 2023 convention.



PERT Chart for Activities

KIND ATTENTION IIIE MEMBERS

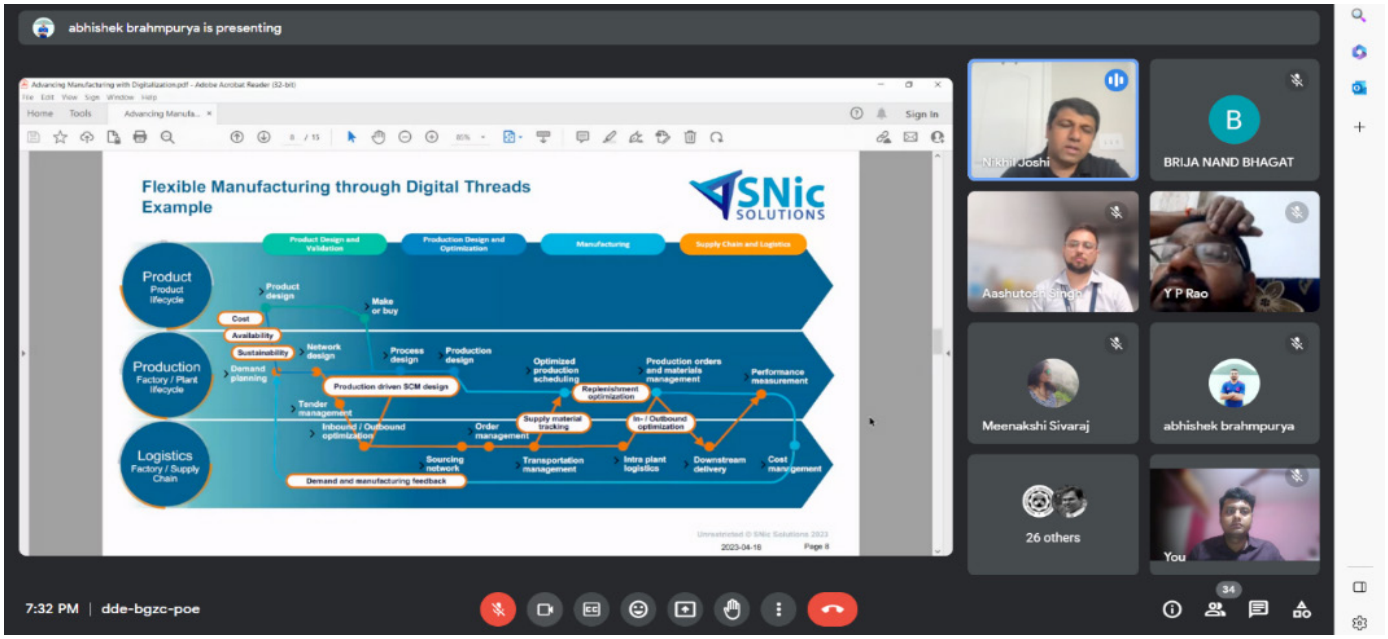
Members are requested to provide their present postal address with Mobile No., E-mail ID, and Telephone No. (Residence) (Office) for updating same in IIIE NHQ records. They can do so by sending E-mail at memberiiie4coa@gmail.com their earliest.

Jamshedpur Chapter

Online Productivity pro Talk on "Advancing Manufacturing with Digitization"

An online Productivity pro Talk was organized on "Advancing Manufacturing with Digitization". Mr. Nikhil Joshi, Founder & President, SNic Solutions, United States was the keynote speaker of the session. The session starts with the welcome address. Mrs. Sundarameenakshi Sivaraj, Secretary, IIIE Jamshedpur Chapter welcomed the gathering and introduced the speaker. She also briefed about the IIIE and appreciated the IIIE's role in the industry. Mr. Nikhil Joshi enlightened the participants on modern manufacturing techniques, Industry 4.0, Digitalization etc. His extensive knowledge and experience in the field of advanced manufacturing and digitization have provided invaluable insights to all the participants. He emphasized on different shop floor practical examples concerning the battery industry and automobile industry. He explained about opportunities and challenges that come during digitalization journey.

The session ended with a great Q&A session, giving the participants an understanding of Digital Transformation. Mr. Anmol Shrivastava, Executive Member, IIIE Jamshedpur Chapter proposed the vote of thanks and expressed wholehearted gratitude to the speakers for sharing their knowledge and experiences during the session. The event was attended by more than 40 representatives from industries like Tata Steel, Tata Motors, IIIE Student chapter, former employees of Tata Steel IE department and subject enthusiasts from across the city.



Online Productivity pro Talk on "Advancing Manufacturing with Digitization"

Industrial visit to GRAPHITI Centre

An Industrial Visit was organized on 24/03/2023, from 3.00 pm to 4:00 pm in GRAPHITI Centre of ISWP, Jamshedpur. GRAPHITI centre is a part of ISWP, Jamshedpur unit where the Gaphene powder is manufactured. Graphene is an emerging product used for coating to enhance the lifetime of product. Its applications include electronics, energy storage, sensors, coatings, composites, biomedical devices and many others. Around 20 members from the chapter participated in the Visit. Hon. Chairman, IIIE Jamshedpur Chapter, Mr. Rama Shanker Singh also joined the chapter members for the visit. Safety procedures were explained to the chapter members by the Operations team. Chapter members were able to see and understand the process and equipment's involved in Graphene Making. It was a great learning experience for the chapter members. The chapter members dispersed after light refreshment.



Industrial Visit to GRAPHITI Centre

WARNING! WARNING! WARNING!

IMPORTANT CAUTIONARY NOTE

Dear Readers / Authors,

It has come to our notice that a website https://ivyscientific.org/index.php/journal has been operating with mala-fide intention by cloning IIIE's Industrial Engineering Journal without our knowledge. This site https://ivyscientific.org/index.php/journal is a clandestine/unauthorized site and IIIE's name is being misused for publishing IE Journal online with an ulterior motive. Appropriate action has been initiated to deal with such unscrupulous activity.

It may be noted that IIIE publishes IE Journal on behalf of INDIAN INSTITUTION OF INDUSTRIAL ENGINEERING (IIIE), NATIONAL HEADQUARTERS (NHQ), SECTOR 15, PLOT NO.103, CBD BELAPUR, NAVI MUMBAI – 400 614 and it is a monthly journal published only in hard copy form.

All are hereby cautioned not to fall prey to the above site and make any payments (Rs. 4000/- per paper) or whatsoever for publishing the paper online. IIIE NHQ shall not be responsible in any capacity for anyone making payments and falling prey to the above unscrupulous site.

All prospective authors are advised to kindly send their Manuscripts only to IIIE journal id: journal4iiie@gmail.com or call us at (M) 09321779372 / 022-27579412 / 27563837.

Sd/-
Chairman
National Council
IIIE National Headquarters

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Odisha Chapter

Meeting held on 18.01.2023

The Chapter Council meeting of IIIE Odisha chapter was held in its office at 3rd Floor, OPSL Tower at 3.30 PM on 18th January'2022.Prof. R. P. Mohanty, President of the Chapter presided over the meeting and the following members attended the same.

1. Dr. Amiya Kumar Behera	Chairman
2. Prof. P. K. Parhi	Vice-Chairman
3. Dr. Sasmeeta Tripathy	Hon. Secretary
4. Dr. Saumya Darsan Mohanty	Hon. Treasurer

The following agenda items were taken up for discussion.

(i) Workshop on "Construction Supply Chain Management"

Prof. P K Parhi informed that the workshop on 'Construction Supply Chain Management for accelerating Completion of Projects' has been scheduled to be held on 3rd and 4th of February'2023.

(ii) Conducting awareness programmes in schools

Awareness programmes have been organised by Dr. Amiya Patnaik in two schools of Bhubaneswar.

(iii) Foundation Day Celebration

It was decided to celebrate IIIE foundation day like previous years at 3:30 pm on 27th January'2023 at IIIE Office, OPSL Tower. The decision was taken to organize an extempore lecture competition on the Topic "Reservations in India" for B. Tech and M. Tech students. A quiz competition will also also be organized for students. Two keynote lectures to be held on the foundation day. Responsibilities were shared among members for smooth conduction.

(iv) Future Plan of action

At least two programmes as discussed (Programme on Six-Sigma awareness and methodologies and Managerial Skills for Technical Personnel) besides two more Awareness programmes in schools may be completed by the end of March'2023. The Chapter Chairman appealed the members to do their best for the growth of the profession. He also requested the members to find out ways to increase membership and involve themselves in various chapter activities. There being no other matter the meeting ended with vote of thanks to the chair.

STUDENT CHAPTER GUIDELINES

1) Rs. 500/- fees as Student Member.
2) Student Member will remain as Student Member so long as he is the Student of the Institute from where is applied for membership.
3) As Student Member applies for Life Membership as an when he is eligible, he will be getting a discount of Rs. 250/- on the Life Membership fees. (as resolved in NC Meeting No. 138)
4) Student Membership automatically comes to an end as Students leaves the Institute from where he applied for Membership.
5) A Student Chapter share of 50% will be given to the Institute by IIIE NHQ every time there is an enrolment of Student Members in a batch. This Student Chapter share is expected to be utilized for Student Chapter activities at their Institute and expenses be documented and audited in the Institute audits.
6) Institute / college should propose IIIE NHQ for opening of Student Chapter with a minimum of 25 members.
7) IIIE NHQ will provide the certificate of Student Member.
8) Student Membership form can be downloaded from IIIE website www.iiie-india.com
9) All the Student Chapters of the specific region will be mentored by their local chapter.
10) All the activities performed by the Student Chapters should be reported to the Local Chapter in form of news so as to publish it in the IIIE Newsletter.

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