



e-Disha

VOLUME : I NUMBER : 21/22

The Institution of Engineers (India)

AN ISO 9001 : 2008 CERTIFIED ORGANISATION
(Established 1920, Incorporated by Royal Charter 1935)

"A Century of Service to the Nation"

JHARKHAND STATE CENTRE

IEI ENGINEER BHAWAN, NEPAL KOTHI CAMPUS, RANCHI- 834 002

Phone : 0651 - 3510412 | E-mail : jharkhandsc@ieindia.org | Website : www.ieijscjharkhand.org

October - December 2023 & January - March 2024



Er. Harun Ansari
Honorary Secretary
IEI, JSC



Er. M. K. Gupta
Chairman
IEI, JSC

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Phone : +91-33-2223 8311/14/15/16. Facsimile : +91-33-22238345 Website : www.ieindia.org. Gram : ENJOIND

The Institution of Engineers (India)

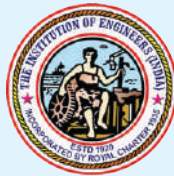
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"A Century of Service to the Nation"

Message

The Jharkhand State chapter of The Institution of Engineers (India), one of the esteemed state center of the country situated in the heart of Jharkhand capital city surrounded with minerals and coal industry around it which celebrated its 62nd foundational benchmark of success, innovation and collaboration for the development of nation in the field of core engineering. IEI, JSC started its humble presence in Jharkhand state on 23rd July 1961. Since inception of IEI, JSC many engineers holding and leading as chairman along with the vision of IEI globally. Now we grow our pride for VKSHIT BHARAT-2047 vision blended with the several new innovation and research work to align with industry 4.0 and AI Technology. Our members have diverse engineering and research work with rich experience which mechanic the new age challenges in the field of engineering. Through our collative efforts, we aim to contribute to the nation's development by promoting excellence in engineering, innovation and nurturing the next generation of engineering. Join us in our journey towards building a prosperous and sustainable future for our beloved nation as VISWAGURU BHARAT.

(M. K. Gupta)

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Message



I am happy to announce that publication of "E-Disha" is going to continue after a long gap. I appreciate the efforts of the "E-Disha" sub-committee for restarting the journey.

I believe that E-Disha will prove a major link to connect with our members and it will provide the update regarding the programs and activities of IEI Jharkhand State Centre. I think it is imperative for every member to get regular updates regarding activities of center. IEI JSC is also sending SMS to members about the activities. Not only this, our members can use this platform to share their technical articles and highlight their achievements in the engineering field.

With this, I would like to wish "E-Disha" a great success.

Harun Ansari
(Harun Ansari)

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Honry. Secretary's Message



E-Disha Committee comprises of following Engineers:

Chairman: **Er. Manda Rajananda Kumar**

Convenor: **Er. Kunal Sinha**

Members: **Er. B. K. Prasad, Er. Probal Ghosh, Dr. Satyendra Kumar Singh, Er. Gautam Kumar, Er. Vishal H. Shah, Dr. Priyank Kumar, Er. K. K. Singh, Er. Pankaj Kumar, Er. Anurag Ranjan Mishra, Er. U. C. Pancholi, Dr. Hemant Agarwal, Er. Ashok Kumar, Er. C. V. Sahu, Er. Nikhil Tiwary, Er. Arun Kumar Toppo, Er. Ravi Shekher Sinha, Er. Avinash Gautam**

Foreword.....



It gives me great pleasure to introduce the latest edition of our magazine, **e-Disha**, the flagship news letter featuring the remarkable programs organized by The Institution of Engineers (India), Jharkhand State Centre. As the Chairman of e-Disha sub-committee, I am privileged to witness the convergence of innovation, expertise, and dedication that characterizes the endeavors showcased within these pages.

The Institution of Engineers (India) has long been a beacon of excellence in the field of engineering, fostering collaboration, knowledge exchange, and professional development. The programs organized by the Jharkhand State Centre embody this commitment to advancement, serving as platforms for engineers to connect, learn, and contribute to the collective progress of the discipline.

Within these programs lie stories of ingenuity, resilience, and community impact. From seminars and workshops designed to enhance technical skills to initiatives aimed at addressing societal challenges through engineering solutions, each event reflects the passion and vision of our members.

As we navigate an ever-evolving technological landscape, the role of engineers becomes increasingly pivotal. The programs organized by The Institution of Engineers (India), Jharkhand State Centre, not only equip professionals with the tools they need to thrive but also inspire them to push the boundaries of possibility.

I extend my heartfelt gratitude to all those involved in conceptualizing, planning, and executing these programs. Your tireless efforts are instrumental in shaping the future of engineering and driving positive change in our communities.

To our readers, I invite you to delve into the pages ahead, where you will discover a wealth of insights, ideas, and initiatives that exemplify the transformative power of engineering. May this magazine serve as both a source of inspiration and a testament to the incredible achievements made possible through collaboration and innovation.

While celebrating the achievements showcased in this magazine, we also recognize the importance of feedback for continuous improvement. We encourage our readers to share their thoughts and suggestions for enhancing the content and format of future editions. Your feedback is invaluable in helping us better serve the needs of our diverse audience and further elevate the standards of excellence within our community.

Thank you & Warm regards,

Sd/-

(Manda Rajananda Kumar)

Chairman, Sub-committee of e-Disha &
Executive Committee Member (Mechanical) IEIJS 2023-25



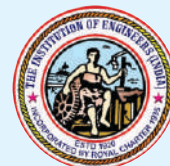
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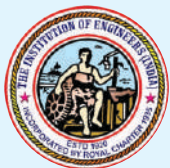
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1.	CHAIRMAN, IEIJSC	ER. MAHESH KUMAR GUPTA	F-123022-7	9431129589
2.	HONORARY SECRETARY, IEIJSC	ER. HARUN ANSARI	M-156388-7	8986891407
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5.	NATIONAL COUNCIL MEMBER, IEI	ER.SANJAY SEN	F-108501-4	9470193680
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23.	-do-	ER. PRIYAM MITRA	M-151791-5	9771911065
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26.	PRODUCTION ENGINEERING (PR)	ER. JOYJEET GHOSE	AM094983-6	9431927425
27.	TEXTILE ENGINEERING (TX)	ER. GAUTAM KUMAR	M-166954-5	9312885242



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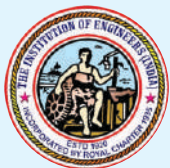
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Sub Committee 2023-25



EWA Committee



Shalini Gupta
President



Nargish Begam
Hony. Secretary



Poonam Priya
Treasurer

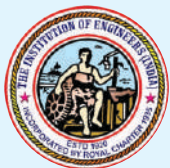
Engineers Wives' Association (EWA) is a socio-cultural organization, catering to the needs of the depressed and socially handicapped people, as well as fulfilling the cultural tastes of the Indian community. Its social activities include: -

- Regular visit to Deaf & Dumb School at Niwarmpur and teaching them stitching and knitting
- Donating them articles as per their requirement
- Visiting old age homes orphanages and donating various items as per their needs
- Holding cultural activities within EWA on different occasions – Republic Day, Independence Day, Holi Milan, Picnic, Sawan, Diwali Meet, Annual Day, etc.

EWA cordially INVITES YOU to join as a Member to the ever-growing and active Association. The Secretary is always available to give any information and answer any enquiry.

Eligibility: Wives of those Engineers, who are member of the Institution of Engineers (I). A lady, who herself is a member of the Institution of Engineers (I).

Subscription: Annual subscription of **Rs. 900/- only**.



The Institution of Engineers (India)

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Engineers' Wives Association



**MINUTES OF THE 63rd ANNUAL GENERAL MEETING OF
THE INSTITUTION OF ENGINEERS (INDIA)
JHARKHAND STATE CENTER, RANCHI (SESSION 2021-23)**

Minutes of 63rd Annual General Meeting of the Institution of Engineers (India), Jharkhand State Center held on 11.11.2023 at 6.30PM at IE(I) Engineer Bhawan, Doranda, Ranchi.

1. Meeting was presided over by Er. M. I. Alam, outgoing Chairman, IE(I) JSC. He highlighted the important developments during his tenure.

2. Minutes of 62rd AGM held on 10th November 2022 was confirmed by members.

3. Executive Committee Annual Report for the year 2022-23 (April 2022 to March 2023) was presented by outgoing Honorary Secretary Dr. Manoj Kumar and adopted by members unanimously.

4. The audited accounts for the year 2022-23 (from 01.04.2022 to 31.03.2023) was presented by Dr. Manoj Kumar, outgoing Honorary Secretary, IE(I) JSC and passed with voice vote.

5. On behalf of Board of scrutineer, Convener (BOS), Er. Prashant Deva declared the results of election for IE(I), Jharkhand State Executive Committee for the session 2023-24 & 2024-25.

6. All conveners who conducted the programs from 07/11/2021 upto till date were felicitated by committee.

7. Chairman Elect Er. M K. Gupta and Honorary Secretary Elect Er. Harun Ansari took over the functioning of the Institution of Engineers (India), Jharkhand State Center for the session 2023-24 & 2024-25.

8. Incumbent chairman Er. M.K. Gupta in his welcome address informed that all round development of IE(I), JSC can be achieved with the support of all members. He also welcomed & introduced new committee member

9. CA Asim Kumar, O R Tulsyan & Co. Chartered Accountant has been proposed to continue without increment in Audit Fees over previous year fee, as Auditor for 2023-24. However, GST as applicable to be paid along with the audit fee. The proposal was accepted by the House.

10. Members Observations

A. Committee members were appreciated for their efficient and meaningful contributions.

B. Members suggested to restore mobile app of IEI JSC.

C. Members also suggested to explore to other meaningful ways to involve member 111 the activities of Jharkhand State Centre.

11. Incumbent Honorary Secretary, Er. Harun Ansari IE(I), JSC proposed vote of thanks.

Distribution:

1. All Members of IE(I), JSC

2. The Secretary & Director General, IE(I)

8, Gokhale Road, Kolkata - 700020

Harun Ansari

Er. Harun Ansari
Honorary Secretary
IEI, JSC



The Institution of Engineers (India)

JHARKHAND STATE CENTRE

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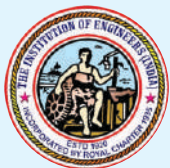
Welcome to the family of IEI, JSC

Application No.	Membership No.	Name	Date of Membership	Centre Assigned
230101190510	AM3075845	SHUBHAM KUMAR	26-05-2023	JHARKHAND
230101196170	AM3077775	AMAR SHAKTI	30-05-2023	JHARKHAND
230101206220	AM3078232	SAHJADA AHMAD	31-05-2023	JHARKHAND
230101203320	AM3078798	MASHKOOR ALAM	21-06-2023	JHARKHAND
230101219030	AM3079301	SAHIL ANSARY	23-06-2023	JHARKHAND
230101220450	AM3079638	ANKIT KUMAR	23-06-2023	JHARKHAND
230101206950	AM3090801	NISHANT KUMAR SINGH	17-07-2023	JHARKHAND
230101238450	AM3090917	RAJULYA RANJAN	17-07-2023	JHARKHAND
230101243470	AM3091379	RIZWANUDDIN	20-07-2023	JHARKHAND
230101287580	AM3092745	ROHIT ROHAN	04-08-2023	JHARKHAND
230101245210	AM3092812	ARVIND KUMAR	04-08-2023	JHARKHAND
230101289660	AM3093339	KUNDAN KUMAR PASWAN	17-08-2023	JHARKHAND
230101303810	AM3093886	LAKSHMANAPERUMAL K	23-08-2023	JHARKHAND
230101311380	AM3094009	ABHIJIT PARASHAR	23-08-2023	JHARKHAND
230101301930	AM3094289	MANORANJAN KUMAR SINGH	23-08-2023	JHARKHAND
230101315160	AM3094653	AFROJ ANSARI	23-08-2023	JHARKHAND
230101307960	AM3094947	NEETISH KUMAR	23-08-2023	JHARKHAND
230101324730	AM3094985	SAQUIBUL HASNAIN	23-08-2023	JHARKHAND
230101317510	AM3095345	ZEYAUL HAQUE	24-08-2023	JHARKHAND
230101375010	AM3098055	MOHAMMAD IDRIS ANSARI	27-09-2023	JHARKHAND
230101376390	AM3099574	VISHAL KUMAR	16-10-2023	JHARKHAND
230101413610	AM3101447	ASRA HASHMI	09-11-2023	JHARKHAND
230101413690	AM3101463	SAMRA AZMI	09-11-2023	JHARKHAND
230101413360	AM3103563	AVINASH RAM	13-12-2023	JHARKHAND
230101434190	AM3104128	PANKAJ KUMAR CHOUDHARY	21-12-2023	JHARKHAND
230101392540	AM3104306	OM PRAKASH	10-01-2024	JHARKHAND
240101006410	AM3105685	ARVIND BHUSHAN	22-01-2024	JHARKHAND
230101446100	AM3105930	ANKIT MALVIYA	22-01-2024	JHARKHAND
240101038780	AM3115596	SHREYA SEN	08-02-2024	JHARKHAND
240101010240	AM3115605	S MANIVANNAN	08-02-2024	JHARKHAND
240101016220	AM3115995	FRAHAD MANSURI	15-02-2024	JHARKHAND
240101047140	AM3116304	LALIT KUMAR SINGH	23-02-2024	JHARKHAND
240101015480	AM3117343	VIJENDER KUMAR	06-03-2024	JHARKHAND
240101015920	AM3117459	SHARFA JAHANGIR	06-03-2024	JHARKHAND
240101019060	AM3117793	ARVIND KUMAR	11-03-2024	JHARKHAND
240101032120	AM3118515	BHARAT CHANDRA SETHI	13-03-2024	JHARKHAND



Welcome to the family of IEL, JSC

Application No.	Membership No.	Name	Date of Membership	Centre Assigned
230101446500	AM3118684	UMAR SHADEEB	13-03-2024	JHARKHAND
240101090670	AM3119060	KUMUD RANJAN	13-03-2024	JHARKHAND
240101049350	AM3119699	PEETAMBER MAHTO	15-03-2024	JHARKHAND
240101067190	AM3119974	APURB NITESH TIGGA	15-03-2024	JHARKHAND
240101048750	AM3120336	MD AZHARUDDIN	15-03-2024	JHARKHAND
240101037750	AM3120395	SANJAY DUTTA	15-03-2024	JHARKHAND
240101116190	AM3121588	SHAMRAO RAMLAL VIRSEN	21-03-2024	JHARKHAND
240101032200	AM3122037	ANITA MURMU	23-03-2024	JHARKHAND
240101046250	AM3122118	SOMIPARNA SAMANTA	23-03-2024	JHARKHAND
230101192500	F-1298077	JOYJEET GHOSE	23-06-2023	JHARKHAND
230101267610	F-1299065	ANIL TEWARI	21-08-2023	JHARKHAND
230101278030	F-1299111	NIRANJAN	22-08-2023	JHARKHAND
230101280000	F-1299715	DEVENDRA KUMAR SINHA	05-09-2023	JHARKHAND
230101305600	F-1299944	SATYA PRAKASH	07-09-2023	JHARKHAND
230101352660	F-1300942	ASHOK KUMAR	16-10-2023	JHARKHAND
230101228050	F-1301299	RAKESH KUMAR	06-11-2023	JHARKHAND
230200051020	F-1301639	UMESH KUMAR	09-11-2023	JHARKHAND
230101393170	F-1301663	VINOD KUMAR OJHA	10-11-2023	JHARKHAND
230101418850	F-1301949	MANOJ KUMAR	16-11-2023	JHARKHAND
230200053260	F-1302023	SANJOY KUMAR	23-11-2023	JHARKHAND
230101415060	F-1302104	MANOJ KUMAR VERMA	23-11-2023	JHARKHAND
230101417270	F-1302465	SHILPI RANJAN	04-12-2023	JHARKHAND
230101411700	F-1302716	RAJIV LOCHAN	13-12-2023	JHARKHAND
230200057100	F-1303739	VIJAY SHANKAR	22-01-2024	JHARKHAND
240101000420	F-1304069	RAMESH KUMAR	27-01-2024	JHARKHAND
240101010310	F-1304700	SHRAWAN KUMAR	06-03-2024	JHARKHAND
240200010120	F-1305928	KUNDAL KUMAR	26-03-2024	JHARKHAND
230101183770	M-1780152	RAMEEZ RAZA	11-05-2023	JHARKHAND
230101188130	M-1780179	NESHAT ALAM	11-05-2023	JHARKHAND
230101173420	M-1780225	ROUMYA DARSHAN RAY	11-05-2023	JHARKHAND
230101154150	M-1780667	SHASHANK SHEKHAR KAMAL	26-05-2023	JHARKHAND
230101189000	M-1780780	CHANDAN KUMAR	26-05-2023	JHARKHAND
230101375490	M-1788765	KUMAR KANISHKA	29-09-2023	JHARKHAND
230101405320	M-1792703	DILIP KUMAR SINGH	18-12-2023	JHARKHAND
230101437210	M-1793238	RAJESH RANJAN	11-01-2024	JHARKHAND
230101219610	M-1795117	SUBODH KUMAR SUMAN	05-02-2024	JHARKHAND
240101002210	M-1795354	KUNAL DAS	05-02-2024	JHARKHAND
240101006140	M-1796733	MANOJ KUMAR CHAUDHARY	08-03-2024	JHARKHAND
240101047250	M-1797705	DEEPAK KUMAR	20-03-2024	JHARKHAND



The Institution of Engineers (India)
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**MEMORANDUM OF
UNDERSTANDING (MOU)**

BETWEEN



The Institution of Engineers (India)

8, Gokhale Road, Kolkata-700020

and



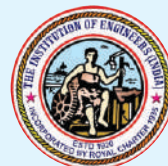
Jharkhand University of Technology

Science & Technology Campus,
Sirkhatali, Namkum,
Ranchi, 834010, Jharkhand

Amor Kumar Choudhary

San

MOU between IET, JSC & JUT



MOU between IEL, JSC & JUT

15th SEPTEMBER, 2023

MEMORANDUM OF UNDERSTANDING

This **Memorandum of Understanding** (hereinafter called as the 'MOU') is entered into on this the 15th day of September, 2023.

BETWEEN

1st party

The Institution of Engineers (India), represented herein by its President (hereinafter referred to as "**IE (I)**", which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

2nd party

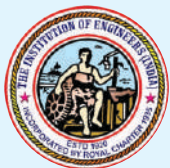
"Jharkhand Technical University" represented herein by its Vice Chancellor (herein after referred as "**JUT Ranchi**", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

A. PREAMBLE

To encourage the exchange and dissemination of technical information, and to promote understanding and co-operation amongst The Institution of Engineers (India), Jharkhand State Centre, Ranchi, and Jharkhand University of Technology these organizations have entered into an agreement on the following matters:

B. MISSION OF THE PARTIES

The Institution of Engineers (India) [IEI], the largest professional body of engineers in India was established in 1920 and granted Royal Charter in 1935. Over the years, the Institution has been playing a major role in multifarious activities including dissemination of knowledge, human resource development, technology forecasting and advancement of technical education. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 125 Centers located across the country and 6 overseas chapters. It has 15 Divisions covering all branches of Engineering. In order to cater to multidisciplinary activities Interdisciplinary Coordination Committee was established. Besides, IEI has bilateral agreements



The Institution of Engineers (India)

JHARKHAND STATE CENTRE

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MOU between IEI, JSC & JUT

with about 34 international bodies and membership of another 8 international bodies across the globe. For operation of this MOU **The Institution of Engineers (India) the first party will operate this MOU through its Jharkhand State Centre (IE(I), JSC).**

The Jharkhand State Centre of The Institution of Engineers (India) (IE (I), JSC) started its journey in a humble way as Ranchi on 23rd July 1961 and over the years; the sub-centre was upgraded to Local Centre on 5th August 1983 and elevated to State Centre on 30th March 2001 after the creation of Jharkhand State. This centre has always striven to increase its various activities so as to cater fully the needs of the engineering fraternity in Jharkhand. Jharkhand State Centre has been designated as 'A' category centre by The Institution of Engineers (India) with more than 6000 corporate members and 7500 student members. IE (I), JSC has been adjudged as 'Best Centre' for All Round Performance on 6 occasions All India Best Technician Chapter Award on 5 occasions. IE (I), JSC has been actively engaged in articulating various technical matters, and on the engineer's role in society and as managers. All Statutory Days such as Engineers Day, World Water Day, World Telecommunication and Information Society Day, World Environment Day, etc. are celebrated every year.

Jharkhand University of Technology (JUT), Ranchi has been established by the Jharkhand University of Technology, ACT, 2011 (Jharkhand ACT 18, 2015), published vide gazette No.- 855 date 08/12/2015. JUT located at Science and Technology campus, Sirkhatoli, Namkum, Ranchi, Jharkhand- 834010. The whole of Jharkhand shall be the territorial jurisdiction under the JUT, Ranchi. JUT is intended to promote the creation of a centre of excellence in education and research in science, Technology, Engineering and Management, Town Planning, Pharmacy, Applied Arts and Crafts, Applied Science and such other programmes or areas as the central Government may in consultation with the All India Council for Technical Education by notification in the Gazette declare and need of Jharkhand. At present there are 16 Engineering Colleges and 43 polytechnics.

C. SCOPE OF THE MOU

Considering the National Education Policy and in order that the students benefit from Outcome Based Education IEI and JUT wish to explore mutually beneficial relationship to provide professional and scientific information for the potential advancement of education, information, and innovation in engineering, and technology for the benefit of student fraternity attached with JUT. The following are some issues

a. **IE(I) and JUT, Ranchi** believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

b. **Both IE(I) and JUT, Ranchi** intend to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research, and can



MOU between IEL, JSC & JUT

also develop the entrepreneur skills.

c. Both **IE(I) and JUT, Ranchi**, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.

d. The budding students from the institutions under JUT could play a key role in technological up-gradation, innovation, and competitiveness of the Nation. Both IE(I) and JUT, Ranchi believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

e. The Second Party which has vast resource will give valuable inputs to the First Party in teaching/training methodology so that the students fit into the industrial scenario meaningfully.

f. The interaction between Industry (expertise available through the corporate members attached with IE(I)) and students will give an insight into the latest developments /requirements of the industries. The training and exposure provided to students through this association will build confidence and prepare the students to have a smooth transition from academic to working career.

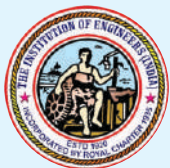
g. The First Party through its Jharkhand State Centre (IE(I),JSC will provide basic infrastructure for carrying out the training / exposure programs for the students and arrange for expert facility and for site visits.

h. The First Party through its Jharkhand State Centre (IE(I),JSC will extend the necessary support to deliver guest lecturers to the students on the technology trends.

D. PURPOSE OF MOU

In particular the Jharkhand University of Technology (2nd party) desires that through this MOU the following be achieved

1. Organize various workshops on Career Development.
2. Conduct practical trainings / Field Visits / Field Projects / Internship.
3. Curriculum Development.
4. Enhance entrepreneurial mindsets among the students
5. Develop Communication Skills amongst the students. Develop communication skills among the students and adequate fluency in foreign languages.
6. Prepare students for recruitment and facing challenges in life.
7. Guide students in carrying out project work self-employment opportunities
8. Developing an aptitude for higher technical education & research



To facilitate the above objective The Institution of Engineers (India) the first party – through its Jharkhand State Centre (IE (I), JSC) will provide the following

1. IE (I), JSC will permit the Faculty and Students of **JUT, Ranchi** to visit its facilities. Hence, the Faculty and Students of **JUT, Ranchi** will get an opportunity to see and learn the application of the latest technologies and global best practices.
2. IE (I), JSC shall extend its support and facilities to the students of **JUT, Ranchi** to complete/model their final year projects through its members attached with pertinent Divisions. All the expenditures involved for the same will be paid by the second party which shall be mutually decided. IE(I), JSC shall appoint a suitable guide as a mentor for such students
3. IE(I), JSC shall extend the necessary support to deliver guest lecture to the students of **JUT, Ranchi** on the technology trends in order to bridge the skill gap and make them industry ready.
4. IE(I), JSC shall develop Infrastructure so as to meet the requirement of carrying out the programmes.
5. Extending the IEI R & D Grant-in-Aid facilities to such students/ institutes may also be included in the objective

E. JOINT ACTIVITIES

1. IE(I), JSC and JUT, subject to agreement on specific items, enter into joint projects, events, and products such as conferences, forums, publications, history, standards, educational materials, awards, etc. Joint activities devoted to preserving and sustaining the environment, teaching and science to children improving technology awareness in the general public and improving the image of the members of both organizations and the profession will also be explored.
2. IE(I), JSC and JUT, to form joint Working Groups to develop actionable plans for participating and contributing to providing Engineering solutions for various national programmes
3. IE(I), JSC and JUT, to leverage complementary strengths across multiple engineering disciplines to develop Standards and Guidelines
4. IE(I), JSC and JUT, joint initiatives to help address the need for updating technical knowledge-base. Both IE (I), JSC and JUT, Ranchi have agreed to extend their facilities to carry out the joint research/project/consultancy activities in the field of Design and Manufacturing. IE(I), JSC shall permit the Faculties of JUT, Ranchi to utilize the facilities available with IE(I), JSC
5. JUT will make efforts to promote membership under various categories like Institutional Membership, various grades of Corporate Membership of IEI. JUT will also help in creating Student Chapters in Institutions under its jurisdiction. IE(I), JSC will extend assistance.
6. IE(I), JSC and JUT, extend technical support for events to promote technology awareness and technology absorption in India.



MOU between IEI, JSC & JUT

F. COORDINATION OF TECHNICAL MEETINGS

IE(I), JSC and JUT, will form coordination committees. The coordination committee shall meet bi-monthly. The composition of the committee shall be discussed by Chairman IE(I), JSC and VC JUT,

Both IE (I), JSC and JUT, Ranchi shall appoint a nodal officer for mutual correspondence and managing the activities under this Understanding.

G. REVIEW, AMENDMENT AND TERMINATION

Amendments to the agreement may be proposed at any time, but will not be valid until they have been approved by both IE(I) and JUT,.

The term of this agreement shall be for duration of three (3) years with effect from 15th September 2023, subject to termination by either party by giving three months' notice in writing. Renewal is contingent upon approval by both the parties.

Any dispute will be amicably settled. Decision of President IEI will be final.

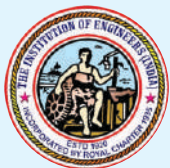
NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

CLAUSE 1: CO-OPERATION

1.1 Both **IE(I) and JUT, Ranchi** are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations to achieve their Institutional objectives. They shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for oneanother.

1.2 **IE(I), JSC and JUT, Ranchi** co-operation will facilitate effective utilization of the intellectual capabilities and the facilities of **IE(I), JSC and JUT, Ranchi** providing significant inputs to them in developing suitable teaching/training systems, keeping in mind the needs of the industry. It will help the faculties of **IE(I),JSC and JUT, Ranchi** suitably customize the course curriculum so that the students fit into the industrial scenario meaningfully and can also develop the entrepreneur skills.

1.3 **JUT, Ranchi** shall plan the Skill/Technology/Entrepreneurship training for its students in consultation with **IE(I),JSC** and ensure that the students to go through the training provided by **IE(I),JSC Ranchi**. The size of group will be discussed and decided jointly. A minimum viable size will be determined. The fees for training programmes shall be mutually decided based on the relevant factors and considering the long term objectives of the Agreement. A certificate will be issued by IEI, JSC to the students on the successful completion of the training programme as per the IE (I), JSC guidelines.



1.4 If the outcome of a project related to product development, process technology and design etc. which involves matter of secrecy and concern with security of the State and the Country, the same will not be allowed for publication/printing in any form such as Electronically/verbal, etc. If the outcome of a project results into an intellectual property, for which rights can be secured, it will be decided on case to case basis. Similarly, sharing of expenditure in securing such rights and income accrued through royalty etc. by the parties under the law will be decided on case-to-case basis after mutual consultation in coordination committee meeting.

1.5 Neither of the supervisors will publish the work carried out under this MoU without knowledge of the other after mutual consultation in coordination committee meeting.

1.6 IE (I), JSC and JUT, Ranchi shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation.

1.7 IE (I), JSC and JUT, Ranchi shall permit the sharing software and other materials and components developed in-house in the areas of cooperation, if permissible within the rules governing the two institutions. However, responsibility for safety of software and other materials during the exchange will rest on respective parties.

1.8 In case some new facilities are to be created at IE (I), JSC then JUT will extend support in way of providing the necessary inputs (financial).

1.9 IE (I), JSC and JUT, Ranchi shall provide access to the library facilities to members of faculty and students as per the prevailing rules and norms.

CLAUSE 2: GENERAL AGREEMENT

2.1 There is no financial commitment on either parties IE(I), JSC and **JUT, Ranchi** to take up any programme mentioned in this MOU. wherever financial aspects are involved, amount, payment conditions, etc. would be spelt out clearly before starting the activity .

2.2 It is expressly agreed that IE(I),JSC and **JUT, Ranchi** are acting under this Understanding as independent entities and their relationship established under this MOU shall not be construed as a partnership.

2.3 Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party.

2.4 Neither Party shall have, nor represent itself as having, any authority under the terms of this Understanding to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party

The Institution of Engineers (India)

JHARKHAND STATE CENTRE



MOU between IEL, JSC & JUT

2.5 No liabilities will create either Party for any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs).

2.6 This MOU is valid with effect from the date of the last signature done at the end of this document.

AGREED:For 1st party "IE(I)"

M.I. Alam
15/09/23
(M.I. Alam)
Chairman, IE(I), JSC, Ranchi

For 2nd party "JUT, Ranchi"

Amar Kumar Choudhary
15-09-2023
(Dr. Amar Kumar Choudhary)
Registrar

The Institution of Engineers (India)

8, Gokhale Road,
Kolkata 700 020
Contact: 0651-3510412
Email: jharkhandsc@ieindia.org
Web: www.ieijscjharkhand.org

Jharkhand University of Technology

Science & Technology Campus,
SirkhaToli, Namkom,
Ranchi, Jharkhand 834010
Contact: 082719 36438
Email:
Web:

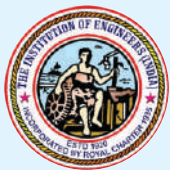
Witness where both the parties have set their hands here to onday of
....., 2023.

For 1st party "IE(I)"

1. *Ganesh*
15/09/2023
President, IE(I)
2. *Hon. Sec. JSC JSC*

For 2nd JUT, Ranchi"

1. *Dr. Singh*
15/9/23
(Vice, JUT Ranchi)
2. *Asst. Registrar*
JUT Ranchi



The Institution of Engineers (India)

JHARKHAND STATE CENTRE

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Ease of Traffic in Ranchi

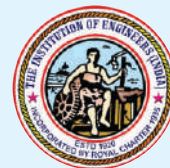
05 November 2023



Glimpses of Programme during the month of November

The Institution of Engineers (India)

JHARKHAND STATE CENTRE



URJAVRAN
09 December 2023

Brief Details about the Programme:

The one day seminar covered the latest emerging technologies to provide an excellent opportunity and a common platform for mutual sharing of knowledge, expertise & experience amongst all the stakeholders i.e. designers & suppliers, academicians, researchers, engineers, consultants, architects, students and builders associated with the long term improvements in Energy & Environment.

The workshop was primarily consisting of inaugural sessions, panel discussions & technical sessions.

Some of the fields addressed in the one day workshop are:

- 1) Energy & Environment.
- 2) Sustainable HVAC and Architecture.
- 3) Green Buildings.
- 4) Energy sustainability for healthcare and hospitality.
- 5) Case Studies above



The Jharkhand State Centre organized one day seminar on topic “Exploring Innovations & Collaborations in HVAC” with an objective to educate the engineers on the latest developments in the field of HVAC. The program was aimed at understanding & evaluating the importance of energy savings. Urjavaran is one of the regular programs of ISHRAE (Indian Society for Heating, Refrigeration & Air Conditioning Engineers) Ranchi chapter who organises it in association with The Institution of Engineers (India), Jharkhand State Center every year.

Inaugural Session

The inaugural session was presided over by Er. M.K. Gupta, Chairman, IEI, JSC. Mr. Supratim Chakraborty, CGM, (Iron, Sinter and Coal, Coke & Chemical), SAIL-CET, Ranchi was the Chief Guest for the programme. Mr. Shailesh Saxena, Sr. GM I/c (Electrical), MECON Ranchi was Guest of Honour and Er. Fulender Kumar, Organising Secretary ISHRAE Ranchi Chapter, Er. Nargish Begam, AMIE was convenor of the program. The programme was conveyed and conducted by Er. Nargish Begam, AMIE.

The programme was attended by about 90 eminent engineers from various disciplines and



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Glimpses of Programme during the month of December

organisations namely MECON, HEC, SAIL, State Government & CIL. Several Past Chairmen, Past Honorary Secretaries, members of Executive Committee and members of ISHRAE also attended the same.

At the outset, the dignitaries on the dias were called and presentation of plant to the Chief Guest, Guest of honour was done. The programme was commenced with the lightning of lamp.

The programme was kicked off with the welcome address by Er. M.K. Gupta. He presented the importance of growth of industries with conservation of Energy in HVAC and construction of buildings. He opined that each and every citizens of the India must aware about how to use energy efficient equipment, how to save the energy for their own future safety and many more ways while using AC in their homes. They should follow all the rules, regulations and policies implemented by the Government of India in order to support the sustainable growth.

This was followed by the speech by Er. Harun Ansari, Honorary Secretary IE(I)/JSC& President ISHRAE Ranchi Chapter. He emphasized the importance of URJAVARAN event and its impact. Er. Fulender Kumar, Organising Secretary ISHRAE Ranchi Chapter also addressed the audience.

Mr. Supratim Chakraborty, CGM, (Iron, Sinter and Coal, Coke & Chemical), SAIL-CET, Ranchi addressed the gathering and gave in sight about initiative taken by SAIL for reducing carbon emissions in steel manufacturing. He also emphasized to inculcate the habits to reduce the carbon footprint in every sphere of life.

Er. M.K. Gupta, Chairman, IE(I)JSC discussed about role of IEI in spreading the awareness about sustainability and environment.

The Chief Guest, Guest and of Honour were presented with a Memento and Shawl by the Chairman, IEI, JSC, Er.M.K.Gupta.

At the end, Er. Harun Ansari, Honorary Secretary, IEI, JSC proposed the vote of thanks. He stressed that IEI, Jharkhand is a pioneer in dissemination of knowledge about new technologies in every mode of working. He also congratulated all for the wonderful insights provided and expressed his pleasure at the vastness covered by the topic of discussion. After that National Anthem was held.

The programme ended with refreshments for all.

Panel Discussion

One Panel discussion was held on **De-carbonization** which Md. Aziz Ahmad acted as Moderator. Shri D.K. Mishra participated as Consultant, Shatrujeet Swain from Aerolam Insulation acted as OEM and Anand Trivedi acted as end user.

During discussion it was emerged that using proper insulation in rooms reduces the load on air conditioning and effected in De-carbonization.

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Technical Session

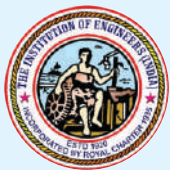
The following papers were presented in the technical session.

- 1) Manufacturer presentation by “AEROLAM INSULATION”
- 2) Presentation on “Sustainable Building Design” by Er. Sudhanshu Ashish, AGM(Arch), MECON, Ranchi.
- 3) Paper presentation on “De-carbonization strategies” by Dr. Somraj Chakravarty, AGM (Utilities), SAIL-CET.
- 4) Presentation on “Perform, Achieve & Trade” by Er. Atilesh Gautam, Electrical Executive Engineer cum SDAI/c JREDA, Ranchi
- 5) Presentation on “Overview of Energy Efficient Industrial Hydraulics” by Er. J.H.Makki, CEO, MAC Engineering, Ranchi.

At last vote of thanks was given by Sri Rakesh Roshan, Treasurer, ISHRAE Ranchi Chapter.

The program was ended with networking dinner to all.





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Efficient Engery Preserve, Conserve Sustain our Shared Responsibility

14 December 2023



Glimpses of Programme during the month of December

The Institution of Engineers (India)

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Protection of Data and Privacy within Distributed System

16 & 17 December 2023

A Report on The Two Days National Seminar

The two days All India seminar on "Protection of Data and Privacy within Distributed System" focused on various aspects of data protection, privacy of crucial data and Cyber Security. The seminar also encompassed case studies from the Artificial Intelligence and Machine Learning Technologies. Technology professionals from the industry and academia elucidated importance of Cyber Security and the emerging technologies. Different presentations and discussions flourished knowledge among the participants and audience on how the technology is becoming boon towards the upcoming tech-savvy world and its pros and cons with measures to safeguard and recovery of risks. The seminar ideated on scopes that may be brought up through innovative thinking that helps in developing better technology and research to flourish.



INAUGURAL SESSION

The Inaugural Session started at 02.30 PM on 16.12.2023 with an arrival of Chief Guest, Dr. Bhuvnesh Pratap Singh, IAS, CEO, Jharkhand Agency for Promotion of Information Technology (JAP-IT), Government of Jharkhand, Ranchi. Guest of Honour, Mrs. Mani Mekala Dasgupta, Sr. GM (Technical Services), MECON Ranchi and Keynote Speaker Dr. Bhaskar Karn, Associate Professor and Dean Student Affairs, BIT Mesra, Ranchi. The



function preceded with an audience covering faculties from different technological Universities of Ranchi, IT Industry professionals, Employees from PSU's like MECON, CIL, HEC along with employees of Govt. of Jharkhand and members of IE(I).

The session started with lighting of lamp and then Er. M.K. Gupta, Chairman, IE(I) Jharkhand State Centre, Dr. Manoj Kumar, Immediate Past Honorary Secretary, IE(I) Jharkhand State Centre and Convener of the Program Er. Vishal H. Shah

invited all dignitaries one by one to the dais and welcomed them by felicitating with a Bouquet.

Er. M.K. Gupta, Chairman, IE(I) Jharkhand State Centre, Ranchi extended a warm welcome to all delegates participating in the event.

Er. Vishal H. Shah convener of the seminar briefed about the title of the seminar and explained why Cyber Security becomes important in today's life and importance of privacy and protection of data. He also explained about the future aspects of research aspects belonging to security domain.

Chief Guest, Dr. Bhuvnesh Pratap Singh, IAS, CEO, Jharkhand Agency for Promotion of



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Glimpses of Programme during the month of December



–Information Technology (JAP-IT), Government of Jharkhand, Ranchi presented a detail explanation on Cyber Security and its importance in today's technology oriented and life for both personal and industry. He focused on the importance of data and how important it is to safeguard it and what strategies should be followed for the same.

Guest of Honour, Mrs. Mani Mekala Dasgupta, Sr. GM (Technical Services), MECON Ranchi appraised the event and shared about the issues

faced by the organization in cyber security while working in an e-environment. She also discussed issues and technical steps needs to be implemented to overcome the difficulties and future strategies.

Keynote Speaker Dr. Bhaskar Karn, Associate Professor and Dean Student Affairs, BIT Mesra, Ranchi thoroughly explained Cyber Security and Ethical Hacking. The problems faced by industry, organizations, academia and individuals. He explained what should be crucial and needs to be followed keeping an eye on data protection, privacy and cyber security. He also thrown light on vital points in Cyber Security.

The inauguration session concluded with a vote of thanks from Dr. Manoj Kumar, Immediate Past Honorary Secretary, IE(I), Jharkhand State Centre, Ranchi.

TECHNICAL SESSION – I

The technical sessions of the seminar were conducted on first day i.e., 16.12.2023. The first session of the seminar was Chaired by Mr. Mohan Kumar Dehury, Asst. Professor, AIIT, AMITY University, Ranchi. The Rapporteur of the session was Dr. Anita Kumari, Associate Professor, RKDF University, Ranchi. The keynote session was delivered by Mr. Mohan Kumar Dehury, Asst. Professor, AIIT, AMITY University, Ranchi who explained about the Cyber Security in Distributed System environments.

There were four presentations in the technical session from various speakers. Mr. Ravi Ranjan and Dr. Bhaskar Karn Presented "Abstractive Text Summarization and Multilingual Translation". Mr. K.K. Sinha, Mr. M.R. Kumar, Mr. Harsh Kumar and Mr. Suresh Kumar presented "Utilization of Artificial Intelligence (AI) in Blast Furness". Mr. Sayan Mandal, Mr. Avinash Kumar and Ms. Saumya Das and Mr. Avinash Kumar presented "A Study on Privacy Preserving and Secure Communication Protocol". Mr. Ankit Kumar Pandey presented "Securing Tomorrow: Navigating the Future with Post Quantum Cryptography". The concluding remarks was given by the session chair.

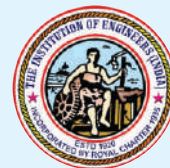
TECHNICAL SESSION – II

The technical session of the seminar was conducted on second day i.e., 17.12.2023. The second session of the seminar was Chaired by Dr. Biresh Kumar, Asst. Professor, AIIT, AMITY University, Ranchi. The Rapporteur of the session was Mr. Purushottam Kumar, Asst. Professor, AIIT, AMITY University, Ranchi. The keynote session was delivered by Mr. Biresh Kumar, Asst. Professor, AIIT, AMITY University, Ranchi who explained about the role of AI in Cyber Security.

There were six presentations in the technical session from various speakers. Mr. D.N. Mishra, Founder Sonali Infotech, Ranchi presented on Upcoming and Latest Hardware's Related to IT infrastructure Management and e-security. Ms. Sneha Priya and Mr. Rohit Kumar presented

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"Disaster Recovery as a Service Towards Infected Networks and Systems". Dr. Biresh Kumar, Mr. Arijit Mukherjee, Mr. Pallab Banerjee, Mr. Mohan Kumar Dehury and Mr. Purushottam Kumar presented "Cyber Security Challenges and Opportunities in IoT: The Delicate Equilibrium of Risk and Reward". Mr. Lucky Verma presented "Disaster Recovery Strategies for Privacy-Preserving Distributed Systems". Mr. Sanjay Kumar Mahto and Mr. Chandray Soren presented "Enhancing User Interaction: A Comprehensive Study in Prompt Engineering". Mr. Himanshu Kumar presented "Enhancing Privacy via Technologies in Distributed Systems for Internet of Things (IoT)". The concluding remarks was given by the session chair.

TECHNICAL SESSION – III

The technical session of the seminar was conducted on second day i.e., 17.12.2023. The third session of the seminar was Chaired by Ms. Tannisha Kundu, Asst. Professor, AIIT, AMITY University, Ranchi. The Rapporteur of the session was Mr. Kumar Amrendra, Asst. Professor, Jharkhand Rai University, Ranchi. There were two keynote sessions, The first keynote was delivered by Ms. Tannisha Kundu, Asst. Professor, AIIT, AMITY University, Ranchi. Second keynote was presented by Er. Kumari Vinita, Head of Dept. ECE, SOET, YBN University, Ranchi

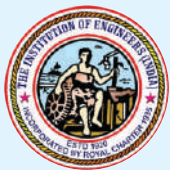
There were three presentations in the technical session from various speakers. Ms. Anuradha Sharma, Mr. Kumar Amrendra and Dr. Piyush Ranjan presented "An Overview of Quality Metrics Used in Estimating Software Faults". Ms. Shivangini Bihari and Dr. Md Irfan Alam presented "Intelligent Guidance for careers using Machine Learning". Ms. Dipanshu Kumari, Dr. Biresh Kumar, Mr. Pallab Bannerjee, Dr. Pooja Jha, Ms. Tannisha Kundu and Mr. Mohan Kumar Dehury presented "AI Based Discovery on Ethical Hacking and Hacking Attack Using Cyber Security". The concluding remarks was given by the session chair.



Two more papers entitled, "State of the Art in Disaster Recovery as a Service (DraSS): A Critical Review of Emerging Trends and Technologies", Authored by Shail Bala and Palegar Nikhl and "Inaccuracy Practices Leading Attacks and Safeguarding Digital Privacy" Authored By Sandeep Sahay were received.

VALEDICTORY SESSION

The Valedictory session took place on 17.12.2023 as per the schedule. Er. M.K. Gupta, Chairman, IE(I) Jharkhand State Centre, Ranchi addressed the gathering with his opening remarks for the session on the theme. Er. M.I. Alam, Immediate Past Chairman IE(I), Jharkhand State Ranchi addressed with his remarks on the theme. Er. Kunal Sinha, Organizing Secretary of the seminar briefed the technical sessions and finally given his concluding remarks. Convener Er. Vishal H. Shah summed up the entire proceedings of the two day seminar by highlighting a summary on the sessions. Mementos were presented to the keynote speakers and vote of thanks was presented by Er. Harun Ansari, Honorable Secretary, IE(I) Jharkhand State Centre, Ranchi.



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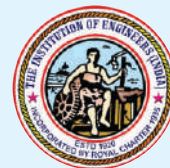
Republic Day 26 January 2024



Glimpses of Programme during the month of January

The Institution of Engineers (India)

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EEHVACR 10 & 11 February 2024

Brief Write-up about the programme

The two day seminar covered different aspects of present and future developments and the latest emerging technologies and to provide an excellent opportunity and a common platform for mutual sharing of knowledge, expertise & experience amongst all the stakeholders i.e. designers & suppliers, academicians, researchers, engineers, consultants, architects, students and builders associated with the long term improvements in the energy efficiency of HVAC & R Systems.



The seminar was primarily consist of Inaugural session, Technical session & Valedictory session.

Some of the fields addressed in the two day seminar are:

- Energy Efficiency in HVAC & R Systems.
- Challenges for HVAC & R Industries.
- Use of Alternative Energy sources for HVAC & R Processes.
- Automation benefits in Industrial AC Systems for optimizations.
- Field Experiences/Case studies.

The Jharkhand State Centre organized two day seminar in association with ISHRAE (Indian Society for Heating, Refrigeration & Air Conditioning Engineers) Ranchi chapter on HVAC & R industry with an objective to educate the engineers on the latest developments in the HVAC & R industry. The program was aimed at understanding & evaluating the importance of energy savings in HVACR industry.

Inaugural Session (10.02.2024)

The inaugural session was presided over by Er. M.K.Gupta, Chairman, IEI, JSC, address by Chief Guest, Er. S. K.Das, CGM (Mechanical, C&S and U&S), SAIL CET, Ranchi address by Key Note Speaker Er. S. Ganesh, Ex. Sr. GM, MECON Ltd, address by Guest of Honour Er. Abinash Kumar Dipak, Chief Engineer BCD cum Executive Director (Rtd.), vote of thanks by Er. Harun Ansari, Hony. Secretary IE (I), JSC. The programme was conveyed and conducted by Er. Nargish Begam, AMIE.

The programme was attended by more than 100 eminent engineers from various disciplines and organisations namely MECON, SAIL, CIL, HEC & various departments of Jharkhand State Government. Several Past Chairmen, Past Honorary



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Glimpses of Programme during the month of February

Secretaries, members of Executive Committee also attended the seminar.



After the National Anthem, the dignitaries on the dias were called and presentation of a flower bouquet to the Chief Guest, Guest of honour and Key Note Speaker was done. The programme was commenced with the lightning of lamp.

The programme was kicked off with the welcome address by Er. M.K.GUPTA. He presented the importance of Energy efficiency in HVAC & R Industries. He opined that each and every citizen must aware about how to use efficient energy,

how to save the energy for their own future safety and many more ways while using AC in their homes. They should follow the rules, regulations and policies implemented by the Government of India in order to support the energy efficiency.

This was followed by the speech by Key Note Speaker Er. S. Ganesh, speech by Guest of Honour Er. Abinash Kumar Dipak and speech by Chief Guest Er. S.K.Das. The chief Guest, Guest of Honour and the Key Note speaker were presented with a Memento & Shawl by the Chairman, IEI-JSC Er. M.K.Gupta & by Honorary Secretary Er. Harun Ansari.

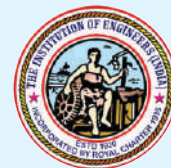
At the end, Er. Harun Ansari, Honorary Secretary, IEI, JSC proposed vote of thanks. He stressed that IEI, Jharkhand is a pioneer in establishing and adopting new technologies in every mode of working. He also congratulated all for the wonderful insights provided and expressed his pleasure at the vastness covered by the topic of discussion. The programme ended with high tea for all.

Technical Session-1 (10.02.2024)

- 1) Manufacturer presentation by "Donaldson India Filter Systems
- 2) Presentation on "Sustainable Energy Storage Technologies for Combating Climate Change" by Er. K. Tulasidhar, AGM (Electrical), MECON, Ranchi.
- 3) Presentation on "Building Envelope Optimisation in ECBC" by Sri Atilesh Gautam, Electrical Executive Engineer cum SDAI/c JREDA, Ranchi.
- 4) Paper presentation on "Increasing Energy efficiency of Integrated Steel Plant by using lean fuel based combined cycle power plant" by Er. Anand Trivedi, DGM (Utilities), SAIL-CET
- 5) Motivation Talk by Er. Ujjwal Bhaskar, General Manager & Chief of Communications, SAIL-RDCIS
- 6) ACREX Promotional Video
- 7) Sharing of Pleasantries
- 8) Vote of thanks by Er. R. K. Singh, Organising Secretary, ISHRAE Ranchi Chapter.

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The first day concluded with Networking Dinner.

Technical Session-2 (11.02.2024)

- 1) Zero Liquid Discharge by Er. Fulender Kumar, Sr. Manager (FS &PD), MECON Ltd.
- 2) Household Electricity Management - Er. Rakesh Roshan, AGM, MECON Ltd., Ranchi.
- 3) Financial Literacy for Sustainability- Dr. Arana Kausar, Asstt. Prof. XISS, Ranchi
- 4) Green Steel Making through Blast Furnace – Er. K.K.Sinha, MECON Ltd., Ranchi
- 5) Carbon Capture Usage & Storage- Er. A.K.Pandit, Sr. Manager, MECON Limited.

Valedictory Session (11.02.2024)

- 1) Welcome Address by Er. M. K. Gupta, Chairman, IEI, JSC.
- 2) Concluding Remarks by Er. Fulender Kumar, Past President ISHRAE, Ranchi.
- 3) Concluding Remarks by Er. S. Ganesh, Ex. Sr. General Manager (FSPD), MECON Limited, Ranchi.
- 4) Concluding Remarks by Er. M. K. Gupta, Chairman, IEI, JSC.
- 5) Vote of Thanks by Er. Harun Ansari, Honorary Secretary, IEI, JSC.

The program ended with lunch for all.





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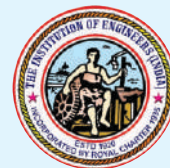
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Picnic Tour 10 March 2024



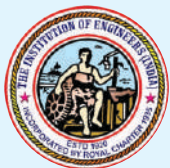
Glimpses of Programme during the month of March



World Water Day
22 March 2024

Glimpses of Programme during the month of March





Safeguarding the Digital Border

Kunal Sinha

Artificial Computing Machines, India

1. Introduction

In an era dominated by interconnected devices and a digital landscape, the importance of digital privacy and obtaining robust digital security measures cannot be exaggerated. As we increasingly rely on digital platforms for communication, transactions, and information sharing, the need to protect our sensitive data from malicious actors has become paramount. This article explores the significance of digital privacy and the imperative nature of securing our online presence.

2. The Universal Threat Landscape

The digital territory is abundant with threats ranging from cybercriminals seeking financial gain to state-sponsored actors engaging in espionage. Data breaches, identity theft, and cyber-attacks have become commonplace, affecting individuals, businesses, and even governments. In a world where personal and professional lives are intertwined with technology, the consequences of a security breach can be severe, leading to financial losses, reputational damage, and compromised privacy.

3. Classification of Cyber Attacks

Cyber-attacks can be of various nature, some of these discussed below but are not limited to:-

3.1. DDoS Attacks

DDoS makes an online service unavailable and brings down the network by overwhelming the site with traffic from a variety of sources. Large networks of infected devices known as Botnets are then created by placing malware on user's computers. Cyber criminals then hack the system once the network is down.

3.2. Botnets

Botnets are networks of private computers infected with malicious software that are controlled as a group externally by remote hackers without the knowledge of owners. The remote hackers then send spam or attack other computers through these botnets. Botnets can also be used to act as malware and perform malicious tasks.

3.3. Identity Thefts

Identity theft occurs when a cyber-criminal gains access to a user's personal information. This may lead to steal funds, access confidential information or participate in different frauds. Using identity thefts, a cyber-criminal may open a phone/internet account in user's name, plan a criminal activity and claim government benefits. Cyber-criminals do



this by finding out user's passwords through hacking, retrieving personal information from social media, or sending phishing emails.

3.4. Cyberstalking

This kind of cybercrime involves online harassment where the user is targeted with abundant online messages and emails. Typically, cyberstalks use social media, websites and search engines to frighten a user and establish fear. Usually, the cyber stalker knows their victim and makes the person feel afraid or concerned for their safety.

3.5. Social Engineering

In Social engineering cyber-criminals involves themselves in direct contact with users usually by phone or email. They want to gain users confidence and usually pose as a customer service agent so as the users give the necessary information required. These information's are typically a password, the company you work for or bank information etc. Cyber-criminals after gaining the information's finds out what they can about it on the internet and then attempt to add users as a friend on social accounts etc. Once they gain access to an account, they can sell information or secure accounts in user's name.

3.6. PUPs

PUPs known as Potentially Unwanted Programs are a type of malware. They uninstall necessary software in your system including search engines and pre-downloaded apps etc. They can include spyware or adware. Antivirus software helps to avoid the malicious download.

3.7. Phishing

Phishing attacks involves cyber-criminals sending malicious email attachments or URLs to users to gain access to their accounts or computer. Cyber-criminals are becoming more established and many of these emails are not flagged as spam. Users are tricked into emails claiming they need to change their password or update their billing information, thus providing criminals access.

3.8. Prohibited/Illegal Content

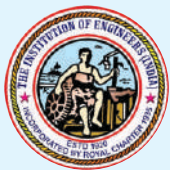
This cyber-crime involves in sharing and distributing inappropriate contents that can be considered highly upsetting and offensive. Offensive content can include, but is not limited to, sexual activities, intense violent videos and videos of criminal activities. Illegal content includes materials supporting terrorism-related acts and child exploitation. This type of content exists both on the everyday internet and on the dark web.

3.9. Online Scams

These are usually in the form of ads or spam emails that include promises of rewards or offers of unrealistic amounts of money. Online scams include enticing offers that are "too good to be true" and when clicked on can cause malware to interfere and compromise information.

3.10. Exploit Kits

Exploit kits need a vulnerability (bug in the code of a software) in order to gain control of a user's computer. They are readymade tools cyber-criminals can buy online and use



against anyone with a computer. The exploit kits are upgraded regularly similar to normal software and are available on dark web hacking forums.

4. The Value of Personal Data

Our digital footprint is an intricate tapestry of personal information, ranging from financial details and medical records to social interactions and location history. This wealth of data is a goldmine for cybercriminals, who exploit it for various malicious purposes. Identity theft, phishing attacks, and online fraud are just a few examples of the threats that can arise when personal information falls into the wrong hands. Protecting the integrity and confidentiality of this data is fundamental to safeguarding our identity and preventing potential harm.

5. Digital Privacy: A Fundamental Right

In the digital age, privacy has become a fundamental human right. Governments and organizations worldwide are grappling with the challenge of striking a balance between the benefits of technological advancements and the protection of individual privacy. The right to control one's personal information is enshrined in various international frameworks, emphasizing the need for ethical and responsible data handling practices. Users must be empowered with the tools and knowledge to assert their digital rights and make informed choices about how their data is collected, stored, and shared.

6. Digital Security Measures

6.1. Use Strong Passwords

- Create complex passwords using uppercase and lowercase letters, numbers, and special characters.
- Keep away of using easy guess able personal information, such as names and birthdays etc.
- It is very important to keep different password for each online account.

6.2. Enable Two-Factor Authentication

- Activate Two-Factor wherever possible to add an extra layer of security.
- Utilize authentication apps or hardware tokens for Two-Factor, as they are more secure than SMS-based methods.

6.3. Keep Software and Systems Updated

- Regularly update the operating systems, software, and applications to patch vulnerabilities.
- Enable automatic updates when available to ensure timely security fixes.

6.4. Install Reliable Security Software

- Use reputable antivirus and anti-malware software to protect against various online



threats.

- Keep the security software updated to defend against the latest threats.

6.5. Use a Virtual Private Network (VPN)

- Avail a VPN to encrypt internet traffic and enhance privacy, especially when using public Wi-Fi networks.

6.6. Secure Wi-Fi Networks

- Change default router passwords and use strong, unique passwords for Wi-Fi networks.
- Enable WPA3 encryption for enhanced security.

6.7. Regularly Backup Data

- Backup important data regularly to an external hard drive or a secure and reliable cloud service.
- In case of a security incident or data loss, having backups ensures you can recover your information.

6.8. Be Wary of Phishing Attacks

- Exercise caution with email links, attachments, and requests for personal information.
- Verify the legitimacy of emails and websites before providing sensitive information.

6.9. Limit Information Sharing

- Be mindful of the information shared on social media and other online platforms.
- Adjust privacy settings to control who can access your personal information.

6.10. Secure Devices

- Set up device passwords, PINs, or biometric authentication methods to restrict unauthorized access.
- Enable device tracking and remote wipe features in case of loss or theft.

6.11. Regularly Monitor Accounts

- Keep a close eye on your bank accounts, credit cards, and other online accounts for any suspicious activity.
- Report any unauthorized transactions immediately.



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6.12. Skill Yourself

- Stay informed about the latest cybersecurity threats and best practices.
- Attend cybersecurity awareness training sessions to enhance your knowledge.

7. Conclusion

As our lives become increasingly entwined with the digital landscape, prioritizing digital privacy and implementing robust security measures is no longer an option but a necessity. The consequences of neglecting these aspects can be severe, impacting individuals and organizations alike. By understanding the value of personal data, acknowledging digital privacy as a fundamental right, and adopting proactive security measures, we can fortify our defences against the evolving threat landscape and contribute to a safer, more secure digital future.

Technical Papers/Article/Presentation



IN YOUR OWN INTEREST

If you wish to receive information regarding all technical / social activities of your Centre (JSC), e-mail or communicate. You should furnish the following information:

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Division

Membership Number

Email ID

Mobile No.

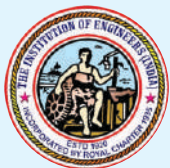
Address for Correspondence

Send by e-mail to jharkhandsc@ieindia.org
Or communicate through letter or
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Date	Event Name	Theme	Division	Organising Secretary / Convenor
27 th April	One Day Seminar	Bulk Material Handling 2024	Mechanical	Er. Ajit Kumar
17 th May	One Day Programme	World Telecommunication and Information Society Day	Statutory	Vishal H. Shah
05 th June	One Day Programme	World Environment Day	Statutory	
21 st July	One Day Programme	Foundation Day	Statutory	
27 th July	One day workshop	One Day Workshop on 'Laser- based Processing : Advancements and Applications in Modern Manufacturing.	Production	Dr. Joyjeet Ghose
10 th & 11 th August	National Seminar	Emerging trends of Digital Manufacturing using 3D Printing and Flexible	Mechanical	Er. M. K. Gupta
09 th September	One Day Programme	Royal Charter Day	Statutory	
15 th September	One Day Programme	Engineers Day	Statutory	
26 th & 27 th September	National Seminar	1st International Conference on Advances in Foundry and Forming Technology ICAFFT	Mechanical	Er. M.R Kumar
07 th October	One Day Programme	World Habitat Day	Statutory	
14 th October	One Day Programme	World Standards Day	Statutory	
26 th & 27 th October	National Seminar	National Seminar on "Mining 4.0: Technology Vision for Safe, Smart, and Sustainable	Minning	Dr. Hemant Agarwal
09 th November	One Day	URJAVARAN	Mechanical/ Enviromental	
23 rd & 24 th November	National Convention	National Convention of Aerospace Engineers & National Seminar on Innovations in Aerospace Engineering	Aerospace	Dr. Priyank Kumar
14 th December	One Day Programme	Energy Conservation Day	Statutory	
11 th January	One Day Workshop	Project Management in	ICC	Er. Sanjay Sen
08 th & 09 th February	National Seminar	EEHVACR 2025	Mechanical/ Envioemental	Er. Fulender Kumar

Forthcoming Events



Good Boss

BOSS has become a 'four-letter word' in the workplace," says Jim Concelman, from HR consultants Development Dimensions International (DDI).

"Many new leaders are inheriting the bad feelings created by their predecessors and other less-than-competent bosses in the organisation," he added.

"These pioneers have a chance to repair these attitudes and change the preconceived idea that all bosses are bad - but it needs to be done quickly while the person is new to his or her leadership role."

Here are eight little secrets that every new leader needs to know.

You're not really their friend anymore

In fact, most workers said their greatest hesitation about becoming the boss would be supervising their friends and the resulting change in the water cooler culture.

"This is uncomfortable because suddenly, the boss can't ignore a teammate's weaknesses or poor performance, and harder still, many bosses are responsible for employees' pay," Concelman says. The new manager has to hold his or her former peers accountable - and treat the whole team equally, friend or not.

It's not your jokes they're laughing at

Your team actually compares you to prime-time boss caricatures such as "You're Fired" real estate mogul Donald Trump, domestic diva Martha Stewart or "Lost's" reluctant leader Jack Shepherd, according to the most recent Badbossology survey.

These famous bosses poke fun at the most extreme examples and serve as fodder for workplace gossip. New bosses need to be effective from day one to prevent being 'Dilberted,' according to Concelman.

"Once you've been tagged as the pointy-haired boss, it takes a lot of time and effort to recover respect," he says.

Your suspicions are right - employees are wasting time

But it's because they're complaining about you! Nearly one third of all employees spend at least 20 hours a month lamenting about the boss, which adds up to a lot of negative energy.

"This is the kryptonite that sucks away a manager's power, and it can't be ignored," Concelman says.

It is best addressed head-on after identifying if it is truly a leadership issue or the rantings of problem employees. "Experienced managers know that poor performers often complain the most. Still, it raises real concerns from other team members about the skills and behaviours of the boss," he adds.

Employees will accept change - if they're consulted first

The majority of workers responded that the most important thing a new boss can do is ask them what they think should be different. If change creates stress, a new boss can foster a fear of the unknown in employees.

"Giving them some input helps them gain control and feel less apprehensive about the change," Concelman says.

It's not about you looking good now

In fact, 60 percent of employees said the most respectable quality in a boss was their ability to help them succeed.

"Effective leaders relinquish the spotlight and put others there instead," Concelman says. "It is a stressful transition, going from being judged on your own accomplishments to those of your team, and leaders have to help employees shine by putting their success ahead of his or her own."

Your team doesn't share your goals

A great disconnect between a boss and his/her team is in their priorities. According to DDI's 2005 Leadership Forecast research, bosses put the bottom line on the top of their priority list, while employees in the DDI/Badbossology survey rank it as the least of their worries.

"A leader has to connect everyone's priorities and help individuals understand their contribution to organizational goals," Concelman explains. "At the same time, they have to listen to what is important to employees as well."

Not feeling up to the task? You're not alone

More than one in five workers surveyed said their greatest hesitation about becoming the boss was being perceived as incompetent, and nearly 25 percent said they would feel unprepared for the responsibility.

Why such hesitation to jump in? "There is a lot more at risk once you're in a leadership position," Concelman says.

Don't worry about having employees who don't like you - they'll just leave

There is no honeymoon period for new bosses - workers won't stick around once they realize they have a bad boss, with nearly half finding the door within six months.

Ten percent said they would quit immediately and 36 percent said they would give it three to six months.

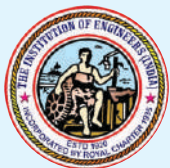
"People vote with their feet, and if employees don't feel valued by the new boss, they'll quickly find someplace that will appreciate them," Concelman says.

"While some of this turnover is the result of increased accountability or personality clashes, a bad boss is a leading cause."

How to Be a Better Boss: Business Leadership Tips

Most people leave their jobs because they don't like their boss.

Sure, some leave for more money, or for more opportunity, but very often the deciding factor is that relationship with the boss. When that relationship is bad, everything else is bad. When that relationship is



good, even other less-than-satisfactory conditions are both more tolerable and more likely to be worked out.

And for those of you who want to build really strong organizations, the best performers are even more motivated by that relationship – and they are the most likely to jump when things are not right, since they will have more options open to them. So, here's a series of "do's" and "don'ts", to help you become a better boss:

To be a Better Boss, DO:

GO ON AN OCCASIONAL "LISTENING TOUR"

This worked really well for a coaching client recently, who had been appointed to a new high responsibility job in a new agency, where at some point she would have to create real pressure for change. She started her job right away by scheduling one-on-one time with each of her direct reports, spanning more than one city, by phone if not in person. She took an open-ended approach to learning what each person liked about their work, what they did not like so much, what they hoped to do or achieve in the long term, what they saw as potential problems for the agency, etc. She got to know them by just listening in a non-threatening way, which gave her a lot of credibility right away, even though she was replacing a popular predecessor and coming from the outside. She learned a lot that will make her more effective as she guides the organization in some new directions, and minimized the resistance she will likely encounter as she introduces new ideas and changes. This is something any boss can do informally any time, or periodically, no matter how long he or she has been in the position. Don't make a big deal of it; just do it, or ask for time on people's schedules just to catch up or take the pulse of the organization.

ASK WHAT PEOPLE WANT FOR THE LONG TERM

Asking does not obligate you to give everyone what they want, but it's better to know than not to know. If you know what a person's career or personal ambitions are, you can find creative ways to help them get where they want to go while also helping them serve the needs of the organization. You likely won't keep people forever, but if you make their paths through your organization also serves their needs, you win a referral source for other new people to come to your organization in the future, and maybe a chance to rehire a "boomerang" – someone who someday comes back to your organization and helps in a new way – in the future.

FIND OUT HOW PEOPLE LEARN BEST

Some people need hands on supervision; some people like to learn by watching first and then doing. Some people like to jump right in, make mistakes and then come to you when they have a question. Some people like to read about things and like to be referred to courses or manuals, etc. Some people won't learn by reading at all. Everyone learns differently, and as a manager, you are the one primarily responsible to see

that people learn how to do their jobs with excellence: it's not the job of the training department, which is their to support you, but not do all the teaching for you. Most managers mistakenly assume, without ever realizing it, that everyone learns the same way they themselves do. Very, very few managers ask people how they learn best, and so most people, when asked, don't know quite how to respond at first – they have to think about it. Go ahead and ask anyway, and make them think! Just by asking, you'll help them take more responsibility for their own learning while also getting a sense of how best to manage them and guide their growth in the job.

DECIDE FOR YOURSELF WHAT PEOPLE'S BEST TALENTS ARE

Everyone has their "aces and spaces:" areas of greater talent and areas where they are not so strong. But not all of us know ourselves well enough to know where those spaces are, and sometimes we misguide ourselves. Sometimes, people have to learn through experience where they are not be suited to be, and in the process, you may lose some people who think they are most apt to do one kind of work when you see them as most fit for another. But make some assessment of where each person's leading edge talents may be, and be open to revision as you observe performance over time. People generally will be happiest (and most productive) when they are doing what they do best, so try to guide them – and keep them challenged – in areas where they can stretch their talents and levels of performance while also contributing to the overall team mission – which you are responsible to promote.

BE FRIENDLY WHENEVER YOU CAN

This is not the same as being everyone's "friend" – more on that later. But being "friendly" goes a long way. Smile, for heaven's sake! If people only get your focused attention when there's trouble brewing, they'll avoid you and hide a lot of information from you that you will need to manage the team effectively. I'm not saying never set limits in ways that may make someone angry, but use a light touch when you can. Most managers rely too much on their positional authority to get things done, when they could accomplish so much more by creating a looser atmosphere that nevertheless is very serious about performance and results.

TEACH – AND CORRECT PEOPLE – RIGHT AWAY, IN PRIVATE

Take an individualized approach, and when you see something that should be corrected in performance, don't agonize for weeks or wait until the next formal evaluation period to deal with it. Get into private conversation with the person right away, try to understand (without scolding) why your person did what they did in the way they did it, and then guide or correct them directly without a lot of fuss, if correction is indeed needed. The first time you do this, your direct report may feel a little shaken, but be reassuring and don't hold a grudge. Teaching people is important, and lessons are much more easily learned when correction quickly

Good Boss



Good Boss

follows a potential error. You may need to wait a day or two if you find yourself frustrated or angry about the error, in which case it might help to wait a little until you can come across as less threatening and more open and rational. But deal with the problem if it is something that should be addressed.

On the one hand, you don't want to do this constantly so that people tense up all the time, but on the other, you don't want to let things linger, which will reduce overall performance and lead to lots of angst and ill will when yearly employee evaluations come. Dealing with people one-on-one is better than correcting in public – you don't want to humiliate anyone in public, and it's better to deal with each of your people as individuals.

Most managers either make corrections too forcefully and sporadically – when they feel “fed up” – or they avoid conflict and the making of corrections altogether. Both approaches stem from a lack of comfort with the appropriate use of authority. Find a happy medium, stick with it, and be willing to discover occasions when you misunderstood the situation entirely and have to revise your initial take on the matter. These teaching conversations should become two-way communications. And if you teach this way, while also doing the things mentioned above to build better relationships with your direct reports, most people will appreciate that you are guiding them and not just scolding or “zapping” them. Just be sure to identify actual behaviors people can modify, and don't fall into the trap of criticizing people's personalities.

To be a Better Boss, DON'T:

DON'T TRY TO BE EVERYONE'S FRIEND

If you were promoted from within, your relationships with the group and its individual members will change and the transition may not always be comfortable for you or the others. That's part of life. Sometimes new managers, or internally promoted managers, try too hard to be everyone's “friend,” to still be “one of the gang,” and that's just not sustainable. That does not mean you can't have good relations with people, and it does not mean you can't be friendly (see above). You should have good relations and be personable and friendly – being a boss is mostly about having good people skills, and if you're surly all the time and prefer to work alone, you probably should get out of a managerial role, for your sake and for everyone else's. But often for the most people-oriented among us, it really bothers us when we have to come across as the “bad guy,” though it is at times necessary. Accept it and move on. You won't be everyone's friend, but be consoled: by being a good – or even great – “boss,” you can have an even greater, positive impact on people's lives and their careers.

DON'T DISPLAY POWER UNNECESSARILY

On the other hand, some people are way too quick to accept that they can't be everyone's friend, and then seem to act so as to prove it every day! In my experience, these are usually people who are equally uncomfortable with being in authority, even if they seem

to thrive on being the “boss” and proving it at every turn. Real power is worn lightly. If you find you feel as if you need to prove who's in charge a lot, then you'll be even less in charge than you think you are. Look at the quote at the top from Dwight Eisenhower: people will be able to get a sense of your underlying thoughts and attitudes over time, whether you speak them or not. They'll sense if you see them as “the enemy,” or if you're always trying to prove you're the smartest or most powerful or whatever. Take it easy; lighten up. The truth is, if you exercise your “authority” too much or too harshly, you'll have less legitimate authority in the end. You won't be in charge; you'll just be that nut who's having another fit.

DON'T ASSUME EVERYONE IS MOTIVATED BY THE SAME THINGS

Some people want to learn new things. Some people don't much worry about anything as long as they are paid well enough. Some people want regular attention. Some people want room to do their own thing as long as they produce. Some people would like to become supervisors or managers themselves. Some people want to avoid ever becoming a “boss.” Some people want the boss to know a little bit about and care about their families, personal lives, etc. Some people want to keep their outside lives completely separate from the office. Some people like to be thanked, recognized and praised frequently. Some people just want a kind word every now and again, without a lot of fuss. Some people would like to be given some public recognition. Some people dread being singled out for attention, no matter how well intended the attention may be. Some people want to have room to be a little creative or innovative. Some people want things to stay pretty much the same without surprises, and prefer a lot of structure. Some people don't particularly want to be close to the boss, but all people want to feel pretty well understood by the boss. Some people want the organization to pay some attention to their pet projects. Some people care about the perks that can come with achievement or status (office locations, window offices, the big desk, etc.). Some people could care less about status symbols and actually prefer to stay away from them. . . . You get the idea. There is a lot of diversity of motivational styles out there, and chances are, your team members are all different from you in some significant ways. Don't take a one-size-fits-all approach to understanding others' motivations, either purposely or inadvertently. Listen, observe and ask questions.

DON'T MAKE PUBLIC CORRECTIONS WHEN PRIVATE ONES WILL DO

Lots of managers prefer to avoid “singling anyone out,” thinking that this is a better approach to making corrections. Wrong! All you do by going public is to start everyone speculating about your targeted person. You also build resentment among those other team members who are being corrected when they themselves are not responsible for the problem. You also miss the chance to do a more targeted, efficient job of coaching the one who made the error, so that person



The Institution of Engineers (India)

JHARKHAND STATE CENTRE

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won't likely learn well because of your scattershot, indirect, one-sided attempt at communication. And since everyone will probably figure out who your intended target is, you will have essentially humiliated that person by letting everyone else know (indirectly) that they made an error. So bite the bullet, and assume the responsibility that comes with authority. Correct – and coach – individuals in private. Express thanks and give praise for good performance in public as well as in private - unless your targeted person really becomes uncomfortable with the attention that comes from being singled out for public praise. The exception to this comes in some military training settings where the goal is to create a strong sense of unit identity and interdependence, mitigating the need to take such a strong individualized approach.

DON'T MANAGE BY EMAIL

Email is good for conveying basic information, clarifying simple inquiries, scheduling things, etc. But email is a blunt communication instrument, and not very good when it comes to anything that can involve or incite emotion. Stay away from it for matters of coaching or any conflict. It will only make things worse. Talk on the phone or, better yet, in person for anything of importance. Since email has become so easy, too much management has begun to rely on the making of proclamations or the issuing of decisions via email, avoiding personal or group contact, so people will lose the opportunity to ask clarifying questions, understand management intentions, etc. This only leads to problems. What seems like a time saver – email – in the short run can be a big time drainer in the long run when people misunderstand instructions or become resentful because of misinterpreted intentions. A lot of the fractures that appear in organizations stem from lazy, poor communications from the top in the first place, breeding factions and hidden agendas among cliques in the long run. Email also makes it very easy to fire off a message when people are frustrated, allowing people to say things they probably would not say in person. How many of us have seen or been part of escalating streams of email arguments that quickly make all parties sound a bit like angry children? As manager or boss, set an opposite example. Talk to people in person and let them ask questions, see your eyes and hear your tone of voice, whenever you can.

DON'T GET LAZY WITH RELATIONSHIPS

An organization is a living thing, and it requires a certain amount of maintenance, even hygienic attention. It can be as easy as a boss to get so task focused and busy that

you lose touch with what's going on with your people. Check in and take the temperature of the group, and of individuals, every now and then, outside of the daily task and routine. That's how you can keep a team or unit functioning at its highest level over a sustained period of time. Don't get lazy with your relationships, or take them for granted (a good rule of thumb for the work environment and for a family or for a marriage, actually).

DON'T SPEND THE MAJORITY OF YOUR TIME ON "PROBLEM" PEOPLE

Attention can itself be a reinforcer. Anyone who has children knows this. Sometimes just paying attention to an undesirable behavior helps to sustain and promote it. This happens in the office, too. Don't get caught in that trap. And there's another reason not to spend the majority of your time on "problem" people: you lose the opportunity to build on the performances of your stronger people. How does this work? Your stronger people will have the best new ideas. New ideas can be built into successful new processes. Successful new processes can make the organization far better in accomplishing its mission, making everyone more productive. But if you're busy focusing on the "problem" people, you'll never notice ways to build with your best people. Even more, for many of your highest performers, your attention is – guess what? – a positive reinforcer, helping to promote the desirable behaviors you'd like to bring out of them and others. If you find yourself spending the majority of your time on "problem" people, you may need to recast them so their jobs better fit their talents, or even move them out of the organization, because people seldom change very much. Don't make the mistake of thinking that good "bosses" and mentors spend most of their time trying to "help" problem people – that's backward, unless your job is social work. As a boss, you'll be most successful surrounding yourself with high performers and working to bring out their best. But if you feel you need to be the smartest person in the group, you're not being very . . . smart!

Good Boss

"A good manager is a person who isn't worried about his own career but rather the careers of those who work for him. Don't worry about yourself. Take care of those who work for you and you'll float to greatness on their achievements."

~ H. S. M. Burns



रांची 10-03-2024

युवा- शिक्षा- अवसर

दैनिक भास्कर, रांची, रविवार, 10 मार्च, 2024

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हैकथॉन 3.0 • देशभर से महिलाओं के 397 इनोवेटिव आइडियाज चयनित
रांची की सोनी भी अपने आइडिया को दे
सकेंगी मूर्त रूप, 15 लाख तक देगा केंद्र

क्रांति दीप | रांची



मिनिस्ट्री ऑफ एमएसएमई द्वारा पहली बार सिर्फ महिलाओं के लिए आयोजित एमएसएमई आइडिया हैकथॉन 3.0 में चयनित इनोवेटिव आइडिया की लिस्ट जारी कर दी गई है। देशभर से महिला इनोवेटर्स द्वारा भेजे गए आइडियाज में से 397 आइडियाज का चयन किया गया है। सबसे अधिक 119 आइडियाज तमिलनाडु के चयनित किए गए हैं।

लिस्ट में झारखंड के रांची की सोनी यादव का आइडिया भी शामिल है। सोनी ने होस्ट इंस्टीट्यूट झारखंड टूलरूम, रांची के माध्यम से अपना आइडिया भेजा था। केंद्र सरकार की ओर से चयनित आइडियाज को एक प्रोटोटाइप के रूप में विकसित करने के लिए 15 लाख रुपये तक आर्थिक सहयोग दिया जाएगा। साथ ही, होस्ट इंस्टीट्यूट से अन्य सुविधाएं दी जाएंगी। बताते चलें कि मिनिस्ट्री ऑफ एमएसएमई की ओर से 27 जून से 10 अगस्त 2023 के बीच महिला इनोवेटर्स से इनोवेटिव आइडिया के प्रयोजन मांगे गए थे।

डीसी मोटर टेस्टिंग किट है सोनी का आइडिया

इलेक्ट्रिकल इंजीनियर सोनी यादव ने लो कोस्ट डीसी मोटर लोड टेस्टिंग किट का आइडिया भेजा था। उन्होंने बताया कि कई बार इंडस्ट्री की मशीन में लगे डीसी मोटर में खराबी आने पर उसे मरम्मत के लिए भेजा जाता है। जब मरम्मत के बाद उसे वापस मशीन में लगाया जाता है, तो वह सही से काम नहीं करता है। इसके बाद फिर से मोटर को निकालना पड़ता है, फिर से लॉग थंटों समय लगा कर उसे ठीक करने का प्रयास करते हैं। इससे समय, पैसा और काम का भी नुकसान होता है। यह किट इस समस्या को दूर करने में सक्षम है। इसकी मदद से मोटर की मरम्मत के बाद पहले ही उसे चेक किया जा सकेगा कि मोटर मशीन में वापस लगाए जाने के लिए तैयार है या नहीं। इस पर लोड देंगे तो यह काम करेगा या नहीं। झारखंड गवर्नमेंट टूलरूम, रांची के प्रिंसिपल एमके गुप्ता ने बताया कि हमारे यहां से अब तक चार आइडियाज का चयन हुआ है। इनमें दो महिलाओं के आइडिया हैं। आइडिया चयन होने से का इनोवेशन के क्षेत्र में काम करने के लिए प्रोत्साहन मिलेगा।

वर्ष 2022 में रांची के दो आइडियाज हुए थे चयनित वर्ष 2022 में एमएसएमई आइडिया हैकथॉन के तहत रांची के दो युवाओं के आइडिया प्रयोजन चयनित हुए थे। इनमें शामिलनी महतो ने एक ऐसे डिवाइस का आइडिया भेजा था, जो दिमाग की गति से व्यक्ति में डिप्रेशन की जानकारी दे सकेगा। वहीं, दूसरा आइडिया आईआईटी खड़गपुर के छात्र रहे संकेत कुमार का था। संकेत ने ऐसा वाटर फिल्टर तैयार किया है, जो प्राकृतिक तरीके से पानी से आर्सेनिक हटाकर उसे शुद्ध करता है।

रांची के होस्ट इंस्टीट्यूट में आए थे 35 आइडियाज

झारखंड के 7 संस्थान होस्ट इंस्टीट्यूट की भूमिका निभा रहे हैं। इनमें 4 रांची के एनआईएमटी, झारखंड टूलरूम, रामकृष्ण मिशन क्विकानंद रिसर्च सेंटर व सीआईटी हैं। इसके अलावा एनआईटी जमशेदपुर, आईएसएम धनबाद व टूलरूम जमशेदपुर शामिल हैं। रांची के चारों केंद्र में 35 महिलाओं के आइडियाज आए थे। इनमें से बेहतर आइडिया को एमएसएमई को भेजा गया था।

Happy to share that the only idea which selected from Jharkhand was through Jharkhand Government Tool Room, Tatisilwai, Ranchi. Soni is wife of our corporate member Shivaji Kumar and Vice President of EWA.

Facilities

- 1) Venue for Convention/ Seminars/Conference
- 2) Technical Information Centre
- 3) Engineering Hall Cum auditorium
- 4) Rest Rooms for Members
- 5) Technical Classes

For any suggestions, please send your observation at jharkhandsc@ieindia.org or call : 0651-3510412