

**BETWEEN**



**The Institution of Engineers (India)**

8, Gokhale Road, Kolkata-700020

**and**



**Jharkhand University of Technology**

Science & Technology Campus,

Sirkhatoli, Namkum,

Ranchi, 834010, Jharkhand

*Anwar Iqbal Chowdhury*

*An*

15<sup>th</sup> SEPTEMBER, 2023

**MEMORANDUM OF UNDERSTANDING**

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

**BETWEEN**

**1<sup>st</sup> 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**

**2<sup>nd</sup> 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

*[Handwritten signatures]*

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 was 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. **oth 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

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 (2<sup>nd</sup> 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.

## **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.

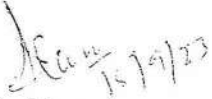
2.4 Neither Party shall have, nor represent itself as having, any authority under the terms of this Understanding to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party

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).

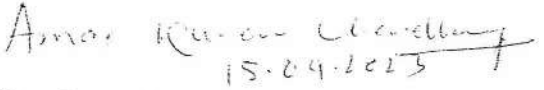
2.6 This MOU is valid with effect from the date of the last signature done at the end of this document.

**AGREED:**

For 1<sup>st</sup> party "IE(I)"

  
( M.I. Alam )  
Chairman, IE(I), JSC, Ranchi

For 2<sup>nd</sup> party "JUT, Ranchi"

  
(Dr. Amar Kumar Choudhary)  
Registrar

**The Institution of Engineers (India)**

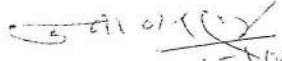
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Web:

Witness where both the parties have set their hands here to on .....day of .....2023.

For 1<sup>st</sup> party "IE(I)"

1.   
15/04/2023  
President IE(I)

2.   
Hon. Sec. IE(I) JC

For 2<sup>nd</sup> "JUT, Ranchi"

1.   
Registrar

2.   
[Signature]