



IIM

Metallurgy
Materials Engineering

The Indian Institute of Metals A Forum for Metallurgical Professionals



**WHERE NATURE AND INDUSTRY
CO-EXIST**

IIM CHAPTERS

47

CHAPTERS
ACROSS THE
NATION



- o Angul
- o Bangalore
- o Baroda
- o Bharuch
- o Bhilai
- o Bhopal
- o Bhubaneswar
- o Bokaro
- o Burnpur
- o Chandigarh
- o Chennai
- o Coimbatore
- o Delhi
- o Dolvi
- o Durgapur
- o Ghatsila
- o Goa
- o Hazira
- o Hisar
- o Howrah
- o Hyderabad
- o Ichapur
- o Jaipur
- o Jamshedpur
- o Kalinganagar
- o Kalpakkam
- o Kanpur
- o Keonjhar
- o Kharagpur
- o Khetrinagar
- o Kolkata
- o Mumbai
- o Nagpur
- o Paloncha
- o Pune
- o Raigarh
- o Ranchi
- o Roorkee
- o Rourkela
- o Salem
- o Sambalpur
- o Sunabeda
- o Trichy
- o Trivandrum
- o Varanasi
- o Vijaynagar
- o Visakhapatnam

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**IIM MEMBERSHIP
(wef 1st April 2024)**



IIM - ITS ORIGIN & JOURNEY

The idea of formation of an Indian Institute for metallurgists was conceived as early as in 1945. This was possible by the efforts of a few metallurgists, who realised the need for an adequate body for professional metallurgists in India. During that time many of the technical information were not easily available in India. Communications with other countries were difficult because of the war. The ordnance factories and many other industries who were involved in manufacture of various products for the war efforts were greatly handicapped because of the non-availability of technical information on metallurgy. The Inspectorate of Metals in the ordnance factory was the only reliable organisation who could undertake investigations on metal products.

It was in this background that about a dozen young metallurgists met informally in Calcutta and discussed the issue at the residence of Dr. Dara P. Antia, who was then Chief Metallurgist of Indian Aluminium Co. It was unanimously agreed that an institute of metallurgists in India should be formed. The Iron and Steel Institute, UK and Institute of Metals, UK also welcomed the idea and suggested formation of a single institute and not various separate institutes such as Metals, Iron and Steel, etc. Accordingly, the Institute was registered at Calcutta.

The first Organisational meeting was held on 24th February, 1946 at the residence of Mr. K. C. Sood in Calcutta. The Institute was inaugurated by Hon'ble Dr. Shyama Prasad Mukherjee, Minister for Industry and Supply on Monday, 29th December 1947 at the Royal Asiatic Society Hall, Calcutta. Sir Jahangir J. Gandhi became the first President and Dr. Dara P. Antia the first Honorary Secretary of the Institute.

From its humble beginnings with a modest membership of 42, the IIM has witnessed phenomenal growth over the past 75+ years. Today, it boasts a membership of over 8,000+ individuals drawn from diverse fields of metallurgical activity, including academia, industry, and research institutions. This remarkable expansion is a testament to the IIM's unwavering commitment to fostering a vibrant community of metallurgists and contributing to the overall development of the Indian metallurgical sector.

The Institute celebrated Silver Jubilee in 1972, Golden Jubilee in 1996, Diamond Jubilee in 2006 and Platinum Jubilee in 2021.

VISION STATEMENT

"Build a community of Scientists, Engineers and Technologists that will take India to global leadership in Minerals, Metallurgical and Materials Science and Engineering, and be the premier advocate for Materials and Manufacturing innovation."

MISSION STATEMENT

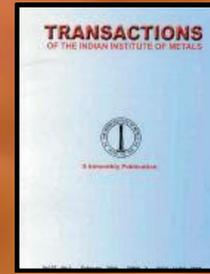
- Identify the key requirements of the Metallurgical and Materials segments and the Professionals that can be served by IIM.
- Provide a platform for National and International collaborations.
- Provide opportunities for continuous education.
- Develop and share authoritative databases with Industry, R&D and Academia.
- Be a premier forum for aiding the development of policy issues for Government, Industry, R&D and Academia.
- Build a stronger interaction between IIM and Metallurgical & Materials Industries, Academic Institutions, Research Organisations and Professional Bodies in India and abroad.

OBJECTIVES

- To promote and advance the study and practice of the Science, Design, Engineering and technology concerned with Minerals, Metals, Materials and their Applications.
- To provide forums and opportunities for exchange, dissemination of Information and Technology Innovations & updates among Students, Teachers, Research Workers and Industry Professionals.
- To promote and facilitate education and development of Working Professionals.
- To undertake studies on 'Human Resources requirements and availability', related to Minerals, Metals, Materials and Processes on behalf of the Govt. Industry or Individuals.
- To act as Honorary Advisor to the Government, Industries or Individuals engaged in the fields of Minerals, Metals and Materials.
- To recognize and reward Eminent Metallurgists, Material Scientists, Industry Professionals, Teachers and Students for significant contributions in their areas of specialisation.

MILESTONES

- ✦ 1945 Idea conceived for an Indian Institute for Metallurgists.
- ✦ 1946 Foundation Day: The First Organizational meeting held on 24 February at Calcutta.
- ✦ 1947 The Institute registered in March, 1947 at Calcutta.
- ✦ 1947 Inauguration by Dr. Shyama Prasad Mukherjee, the then Minister for Industry and Supply, Govt. of India.
- ✦ 1947 First Annual Technical Meeting [ATM] held at Calcutta.
- ✦ 1948 Transactions of The Indian Institute of Metals launched.
- ✦ 1961 'Prof. N. P. Gandhi Memorial Lecture' instituted.



Transactions of IIM Launched in 1948



Metal News Launched in 1979



First NMD at Bhilai

- ✦ 1962 AMIIM Examinations started.
- ✦ 1962 National Metallurgists' Day Awards [NMD] Scheme instituted by the Ministry of Steel & Mines, Govt. of India.
- ✦ 1963 First NMD at Bhilai, inaugurated by Shri C Subramaniam, the then Minister of Steel & Heavy Industries.
- ✦ 1972 Silver Jubilee Celebrations at New Delhi inaugurated by Shri C Subramaniam, the then Minister for Planning, Science and Technology, Govt. of India.

- ✦ 1976 Three Divisions formed: Ferrous, Industrial Metallurgy and Metal Science.
- ✦ 1979 The Journal, 'Metal News' launched.
- ✦ 1980 ASM-IIM reciprocal Lectures started.
- ✦ 1982 'Prof. G. P. Chatterjee Memorial Lecture' instituted by IIM Durgapur Chapter.
- ✦ 1982 Alloy Phase Diagrams [APD] Research Programme launched.
- ✦ 1985 'Brahm Prakash Memorial Lecture' instituted by IIM Bangalore Chapter.
- ✦ 1985 'Brahm Prakash Memorial Lecture' instituted by IIM Trivandrum Chapter.



Silver Jubilee Celebration :
Dr. Antia, C. Subramanian,
B R Nijhawan, J R D Tata,
Prof. Brahm Prakash



APD Research Programme Launched in 1982



1991, Foundation Stone Laying Ceremony of Metal House

- ✦ 1989 'Dr Daya Swarup Memorial Lecture' instituted at NMD-ATM at Calcutta.
- ✦ 1990 'Industrial Metallurgy' Division renamed as 'Non - Ferrous Division'.
- ✦ 1990 'Brahm Prakash Memorial Materials Quiz' instituted by IIM Kalpakkam Chapter.
- ✦ 1991 Foundation Stone laying of Metal House, Kolkata.
- ✦ 1992 'Prof. A K Seal Memorial Lecture' instituted by IIM.
- ✦ 1992 'Prof G. S. Tendulkar Memorial Lecture' instituted by IIM 'Bombay Chapter'.



1992, Prof A K Seal Memorial Lecture



1996, Hon. Minister Inaugurating Metal House

- ✦ 1993 'Brahm Prakash Memorial Lecture' instituted by IIM Kalpakkam Chapter.
- ✦ 1994 'Dr R. V. Tamhankar Memorial Lecture' instituted by IIM Hyderabad Chapter.
- ✦ 1996 Inauguration of 'Metal House', Kolkata.
- ✦ 1996 Golden Jubilee Celebrations at Vigyan Bhavan, New Delhi inaugurated by Dr. Shankar Dayal Sharma, the then President of India and chief guest Shri Birendra Prasad Baishya, the then Minister of Steel and Mines, Govt. of India.
- ✦ 1996 IIM Golden Jubilee Commemoration Lecture series instituted by IIM Banglore Chapter.
- ✦ 1996 The biennial event - MMMM (Minerals, Metals, Metallurgy & Materials) instituted by IIM Delhi Chapter.

- ✦ 2000 'Kishore Kumar Memorial Lecture' instituted by IIM Baroda Chapter.
- ✦ 2004 First Lifetime Achievement Award instituted by the Ministry of Steel, Govt. of India in 2004.
- ✦ 2006 First 'Dara P Antia Memorial Lecture' instituted by IIM, delivered by His Excellency Dr APJ Abdul Kalam, the then President of India on 8th June 2006 organized by IIM Pune Chapter.
- ✦ 2006 Diamond Jubilee celebrations coinciding with 2006 NMDATM at Jamshedpur celebrated through 2006-07.
- ✦ 2007 Project report titled: 'A study on Technical Manpower in Steel Industry, Requirement & Availability: 2007-2020', submitted by IIM as commissioned by the Ministry of Steel, Govt. of India.



2004, Dr. T R Anantharaman Receiving First Lifetime Achievement Award from B Bhattacharjee, Special Advisor to Chairman, AEC and Former Director BARC



2006, Dara P Antia Memorial Lecture : President Dr APJ Abdul Kalam Felicitating Mrs. Jeroo Antia

- ✦ 2008 'Y M Mehta Memorial Lecture' instituted by IIM Mumbai & Baroda Chapters.
- ✦ 2009 Generics: With enormous technological advancements consistently taking place around us, industry need based programs, Generics Reports in specific areas of National importance adopted as a thrust area.
- ✦ 2009 The Placid Rodriguez Memorial Lecture (PRML) instituted by IIM Kalpakkam & Chennai Chapters.

- ✦ 2011 'Foundation Day' of the Institute to be observed on 24th February every year by Chapters, Divisions and Head Office.
- ✦ 2012 50th National Metallurgists' Day Golden Jubilee Celebration : 16th Nov 2012 @Jamshedpur.
- ✦ 2012 Metals, Minerals, Metallurgy & Materials (MMMM 2012) International Conference @ Pragati Maidan, New Delhi.



2012, Golden Jubilee Celebration at Jamshedpur



2016, Ethiopian Delegates Visit at Metal House



2014, Mr Baba Kalyani Receiving the JRD Tata Award

- ✦ 2014 The 8th Dr Dara P Antia Memorial Lecture titled 'Transformation of our Manufacturing Industry' was delivered by Dr. Baba Kalyani, Chairman & Managing Director, Barat Forge Ltd. on 12th March 2014.
- ✦ 2016 Ethiopian Delegates visit @ IIM HO 'Metal House'.
- ✦ 2017 First AMIIM Commencement Ceremony was held at Eco Vista Club, Rajarhat, Kolkata.
- ✦ 2017 Two new categories of IIM Awards, Distinguished Contributor and Distinguished Services Award were instituted this year for rewarding phenomenal Contributions from IIM HO and IIM Chapters.

- ✦ 2018 Introduction of Online Awards Portal.
- ✦ 2019 Amendment of Membership Fees in certain Categories and Introduction of Online Membership Directory.
- ✦ 2019 Dr. Baldev Raj Memorial Lecture instituted by IIM Kolkata, IIM HRDC Kalpakkam-Chennai & IIM Bengaluru Chapters in association with National Institute of Advanced Studies (NIAS), Bengaluru.
- ✦ 2019 The impact factor of Trans-IIM crossed '1' for the first time since its inception.



2017, Mr. J C Marwah Receiving the IIM Distinguished Contributor Award



2019, Prof. P.Rama Rao Paying Floral Tribute to Dr. Baldev Raj at the 1st BRML

- ✦ 2020 A Special Issue of the Trans-IIM on the theme "Special Topics in Advanced Materials Engineering", published by Springer in honour of Professor Subbarao's 90th birthday.
- ✦ 2020 The flagship event of IIM-ATM, as organised by IIT Bombay was held virtually for the First Time, amidst Covid Break-Out globally.

- ✦ 2021 Reckoning 75 years journey of the Institute, IIM celebrated its Platinum Jubilee Year, which commenced from 24th February 2021, and continued till 23rd February 2022. Amongst many events being planned to earmark this journey, IIM hosted monthly webinars on topics of national interest related to IIM, involving the various IIM Chapters [Large, Medium & Small].
- ✦ 2021 Mural Competition & Designing of Platinum Jubilee Logo Competitions were declared. The Best Mural and the Best designed Logo were launched in the Platinum Jubilee Year.
- ✦ 2021 International Collaborations established/revived with JIMM, GDMB, ASM International and Materials Australia.
- ✦ 2021 Short-Term Courses, encompassing various technical subjects were introduced as an alternative to AMIIM. These Courses are being held both in Virtual and Hybrid Modes.



2020, Release of a Special Issue of the Transactions in Honour of Professor Subbarao's 90th Birthday



IIM Platinum Jubilee Year Logo

✦ **2022 The National Metallurgist Awards (NMA) Scheme has been rationalized to National Metallurgist Awards Scheme to enhance the stature of the award in line with the vision of Hon'ble Prime Minister, as per the directions received from MHA. NMA 2021, the maiden Awards Ceremony under this Scheme was held on 20th April at New Delhi.**



The Union Steel Minister, Shri Ram Chandra Prasad Singh Inaugurating NMA 2021



The 75th Foundation Day of IIM Was Celebrated at Metal House



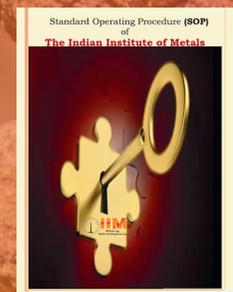
The E-Library of IIM Was Launched on 30th July 2022

- ✦ **2022 The 75th Foundation Day of IIM was celebrated at Metal House of IIM Head quarter. Technical Talks were given by Eminent Speakers and Stakeholders.**
- ✦ **2022 "IIM Platinum Jubilee award for Performance Excellence in a Materials Technology Start-up Company" is instituted by the Indian Institute of Metals, to commemorate the completion of the Platinum Jubilee of the Institute. The first Award was given during IIM Awards Ceremony at Ramoji Film City, Hyderabad.**
- ✦ **2022 The E-Library of the Institute, constituting of was launched during the Annual General Meeting of the Institute at Tolly Club.**

- ✦ **2023 The Committee on Circular Economy as steered by Dr. U Kamachi Mudali, Former President, IIM submitted a report to Ministry of Steel (MoS) and other Government Agencies on how to implement the strategy for a complete circular economy for the metal sector.**
- ✦ **2023 Simplification of IIM Membership Module and Modalities, Introduction of New Membership Category and Amendment in Membership Subscriptions.**
- ✦ **2023 Refining Chapter Performance Metrics for Evaluation of Best Chapter Award, making it transparent and available on Website.**
- ✦ **2023 Both IIM-ATM Flagship Event and Transactions of IIM achieved a Record-Breaking Surplus.**
- ✦ **2023 Promotion of IIM-Start Up Award in Materials Technology for IIM by earmarking 1.5 Cr Surplus as received from IIM.**
- ✦ **2024 Release of Maiden Standard Operating Procedures of IIM during the 78th AGM of IIM.**
- ✦ **2024 Introduction of Half-Yearly Audit and Centralized regime for HO & Chapters wef FY 2024-25.**



2023, Former President of IIM Dr. U K Mudali Handling Over the Report to Secretary, MoS, Shri Nagendra Nath Sinha

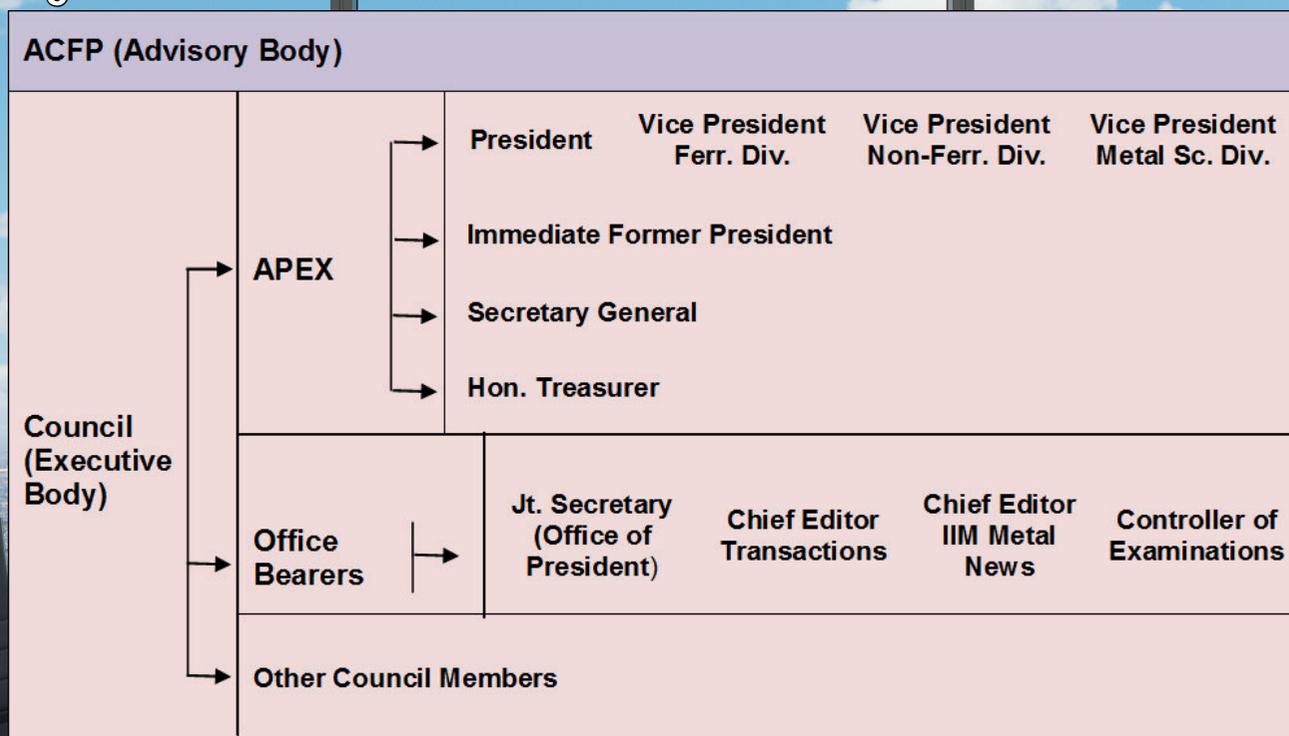


2024, SOP of IIM Was Released

ORGANISATION

The business of the Institute is governed by the IIM National Council consisting of eminent members representing Academia, Industry, R&D including Defence, Atomic and Nuclear establishments. For efficient functioning, the Council appoints Committees to monitor various functions of the institute. The Institute carries out its activities under three Divisions namely: Ferrous, Non-Ferrous and Metal Sciences through a large number of Chapters & Students Affiliated Chapters spread out across the country.

Organisational Structure



Functions at IIM Headquarters

- Administration
- Finance & Accounts
- GST Registration and Returns Submission
- Membership & Activity Programmes
- Awards
- Publications and Public Relations
- Academic Activity and Short-Term Courses
- Online Membership Directory
- E- Library
- Services to Industry
- International Collaborations / Global Footprints
- Research Activity
- Swarna Jayanti Endowment
- ASM-IIM Lectureship
- Human Resources Development Centres

National Committees & Sub-Committees

- Apex
- Administrative and Finance Review (AFRC)
- Chapters Relations (CRC)
- IIM Awards
- Publications
- Examinations & Education
- Short Professional Educational Courses (SPEC)
- International Relations
- IIM Swarna Jayanti Endowment Trust

GLOBAL FOOTPRINT

The Institute has, over the years, developed cordial and co-operative relations with Global societies and Institutes spread over various nations. With an objective to extend our presence beyond India and introduce new schemes for mutual growth, IIM jump started the functioning of the International Relations Committee (IRC) in 2021 to establish collaborations with well-known professional bodies. Currently IIM has a reciprocal exchange program with the following Societies and Institutions of Repute.

MoU Societies & Institutions

The graphic displays four MoU partners arranged around a central IIM logo. The IIM logo is circular with the text 'THE INDIAN INSTITUTE OF METALS' and 'भारतीय धातु संसद' (Bharatiya Dhatu Sansad) in Hindi. The partners are:

- ASM International USA**: Logo features a stylized 'A' with green and blue geometric shapes.
- The Japan Institute of Metals and Materials Japan**: Logo features a stylized 'J' with a yellow and black design.
- GDMB Germany**: Logo features a stylized 'G' with a blue and white diamond shape. Text: 'Gesellschaft der Metallurgen und Bergleute e.V.'.
- Materials Australia Australia**: Logo features a stylized 'MA' with a red and black design.

ASM-IIM Lectureship Exchange Programme

Under the IIM auspices, experts from all over the world are invited to deliver lectures in their field of specialisation at various Chapters of the Institute under the ASM-IIM annual lectureship programme.

ACTIVITIES OF THE INSTITUTE

The scope of the activities of the Institute includes mineral beneficiation, extraction, fabrication, heat treatment, finishing as well as practical and theoretical aspects of metallurgy of all ferrous and non-ferrous metals and alloys. Ceramics and other disciplines and technologies allied to metallurgical problems also come under the scope of the Institute.

Seminars, Symposia, Conferences, Workshops, Short Term Courses, Technical Meetings, Projects and Technical Exhibitions, Plant Visits :

IIM in its journey since 1947 has been a recognised leading source of dedicated service in the fields of minerals, metals, metallurgy and materials science through its workshops, short term courses and technical exhibitions, reciprocal membership with international institutes, educational courses and HRD initiatives. The Institute offers exciting opportunities and platform for interaction of latest technology innovations and updates.



Golden Jubilee Celebration at Vigyan Bhavan, New Delhi, Inaugurated by Dr. Shankar Dayal Sharma, the then President of India & Chief Guest Shri Birendra Prasad Basbysa, the then Minister of Steel & Mines, Gol

Flagship Events

National Metallurgist Awards [NMA] : As a tribute to the important role played by metallurgists in the country's economic development, the National Metallurgists' Day Awards Scheme was instituted by the Ministry of Steel & Mines, Govt. of India in 1962 which has been rationalised to National Metallurgist Awards Scheme to enhance the stature of the award in line with the vision of Hon'ble Prime Minister, as per the directions received from MHA. The Indian Institute of Metals continues to undertake the organisational and administrative work as well as to participate in the selection of leading national metallurgists in accordance with the annual NMA Awards scheme, since inception.

IIM-ATM : The Flagship annual event, IIM-ATM, is a unique platform wherein the relevant people representing all significant sectors of industry, academia and R & D institutes from all parts of India join together to deliberate the future advancements and development initiatives. Every year during the ATM, the participating metallurgists and material scientists, engineers do lot of knowledge-sharing, speak about their rich experiences and do exchange of new ideas. The international conferences during the IIM-ATMs throw light on contemporary topics of relevance such as green manufacturing, strategic and rare metals, additive manufacturing and accelerated development of materials, which are of immense interest to the industrial community at large.

Annual International Symposium/Conference : An International Symposium / Conference on an appropriate topical theme is organised annually in conjunction with the IIM-ATM event. Eminent experts on selected theme of the symposium / conference from India and abroad are invited as participants and speakers.

Chapters & Divisional Activities

Chapters and Divisions of the Institute organise various activities including Seminars, Symposia, Conferences, Technical Meetings, Workshops, Short term courses and Technical Exhibitions round the year at different locations.

MMMM: It is one of the most significant Chapter events in the Indian Minerals, Metals and Materials market which serves as an ideal B2B platform for entrepreneurs, CEO's, consultants, senior government officials, decision makers and trade delegations to congregate, brainstorm, showcase and forge meaningful business partnerships. This Business Platform provides an excellent opportunity for interacting with luminaries from practically all corners of the globe, promoting business and giving a fillip to the growth & development of Minerals, Metals, Metallurgy and Materials industries in the country, joint ventures, investments and technology transfer.

This biennial international trade fair has developed into a prestigious show attended by both national and international participants. The event has gained widespread recognition and has become a fixed entry in the industry's list of important international trade fairs. A high-level technical conference, which includes presentations given by experts from across the globe, allows further opportunity to learn of the latest developments and innovations, and provides direct interaction with industry peers.

Prof. Brahm Prakash Memorial Materials Quiz :

The Prof. Brahm Prakash Memorial Materials Quiz is a materials-centric, broad-based quiz intended for students at senior secondary school level (classes XI-XII) and the IIM Kalpakkam chapter has been conducting this program since 1990. This program was initiated as a part of efforts to create awareness among the students about the importance of metallurgy and materials science in the industrial and technological development, and to inculcate an interest in them to choose these areas as their future course of study and profession. Over the years, this annual event has grown in popularity and today school students from all over the country participate in this event. The quiz program is organised in two stages, first at the chapter level and then at the national level. On an average, about 40 chapters of IIM organise the preliminary event. The winners and runners-up from each chapter get the chance to participate in the National level final quiz held at Kalpakkam each year. An eminent metallurgist is invited to deliver Prof. Brahm Prakash memorial Lecture during the event. All the participating students in the grand finale are given a certificate. Winners and runners of the grand finale are rewarded with cash Prize. Besides the quiz programme, the event also hosts an Essay writing and Elocution competition and the best three contestants are also rewarded with cash prize at Kalpakkam. The Quiz prize money is distributed to the students at Kalpakkam and also during IIM-ATM held annually during November month of the year.

BTTD : Behind The Teacher's Desk (BTTD) is a national level Student Seminar on Materials and Metallurgical Engineering organised by the IIM Jamshedpur chapter. Since its inception in 2011, the seminar "BTTD" has blossomed into one of the most sought-after events among the student fraternity of India. BTTD has been held annually at the CSIR-NML Jamshedpur and attracts more than 200 students from across the country. The event provides a launch pad for the students to showcase themselves and interact with scientists,

eminent metallurgists, engineers and entrepreneurs to develop new skills in metallurgy and materials technology.

All registered student delegates receive certificates of participation. Papers and e-posters presented in each technical session are judged by experts. The best speaker and best e-posters are awarded attractive prizes for every technical session. The grand prize is given for the best presentation among all the technical sessions.

Projects

The Institute undertakes projects of public interest on various aspects related to Metallurgy and Materials Science, specially the human resources development. Most recently, IIM's Former President Shri T.V. Narendran, Global CEO & MD, Tata Steel proposed a thematic group led by Dr. U. Kamachi Mudali to deliberate the circularity of metals sector and come out with proposals for implementation with government support. IIM's past President Dr. Samir V. Kamat, Chairman DRDO and IIM's former President & Vice Chancellor, VIT Bhopal, Dr. U. Kamachi Mudali met the Secretary of Ministry of Mines, Shri Vivek Bharadwaj and Principal Scientific Advisor to Government of India, Prof. Ajay Kumar Sood at New Delhi and handed over the Report of the Thematic Group.

Human Resources Development Centres

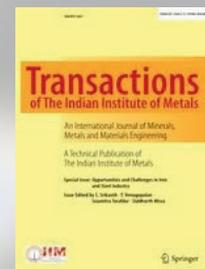
In the year 2006-07 the Institute set up two 'IIM Human Resources Development Centres' at Kalpakkam-Chennai and Jamshedpur with the objectives of enhancing chapter level activities and membership besides assisting the weaker chapters.

Publications

The Institute brings out two monthly publications namely: Transactions of IIM & IIM Metal News. Besides, some IIM Chapters publish Newsletters regularly.

Transactions of IIM: Monthly Technical Journal

The Transactions of the IIM, managed by a Chief Editor and a team of Editors and Reviewers, publish technical papers representing the research work done in Metallurgy and disseminates it worldwide. Currently, the impact factor of the journal is 1.6. It is recognised as an International Journal of Minerals, Metals and Materials Engineering and is indexed in all relevant international abstracting journals. Members of the Institute can freely access the online edition of the monthly Transactions.

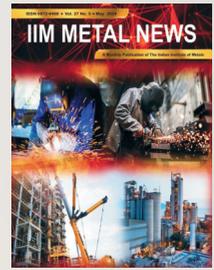


IIM Metal News: Monthly Semi-Technical Journal

IIM Metal News is an inhouse monthly journal for Stakeholders to keep abreast of the latest developments in the world of Metallurgy & Materials Science. This journal takes into consideration the movers and shakers in the industry, and, also disseminates the role IIM plays in shaping education, consultation and business.

With an objective to provide a comprehensive source of information on metals and metallurgical industry locally and globally, giving a ready access to production data, consumption figures, prices; news regarding metallurgical industries; IIM conferences, seminars, related events, global seminars; information regarding prestigious exhibitions and National Metallurgists' Awards, IIM Materials Technology Start-Up Award, this tabloid serves as a bible to the metallurgists in the country.

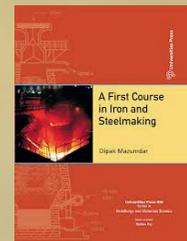
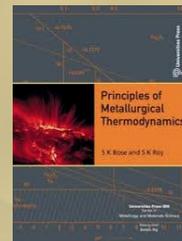
Articles of general interest to engineering, metallurgical knowledge, industry news, Recent Developments, News Updates, IIM Chapter Activities, Seminars & Conferences, IIM Members News, Metal Statistics etc. are published monthly in the journal. IIM Metal News, managed by IIM Head Office, Publications Department, under the mentorship and guidance of the Chief Editor.



Other Publications

Book Fund for publications

To impart the education in metallurgy & material sciences, the Institute has created a Book Fund to support publication of 2 to 3 Books each year that would help Indian Industry / Academic Institutes / Engineering students.



IIM Book Series

The study of metallurgy and materials science is vital for developing advanced materials for diverse applications. In the last decade, the progress in this field has been rapid and extensive, giving us a new array of materials, with a wide range of applications, and a variety of possibilities for design of new materials, processing and characterising the materials. In order to make this growing volume of knowledge available, an initiative to publish a series of books in Metallurgy and Materials Science was taken during the Diamond Jubilee year of the Indian Institute of Metals (IIM) in the year 2006, and has been published in partnership with Springer since 2016. This book series publishes different categories of publications: textbooks to satisfy the requirements of students and beginners in the field, monographs on select topics by experts in the field, professional books to cater to the needs of practising engineers, and proceedings of select international conferences organized by IIM after mandatory peer review. The series publishes across all areas of materials sciences and metallurgy. A panel of eminent international and national experts serves as the advisory body in overseeing the selection of topics, important areas to be covered, and the selection of contributing authors.



Non Ferrous Metals Strategy cum Source Books

Book 1: Aluminium / Book 2 : Magnesium / Book 3 : Copper Book 4 : Nickel, Cobalt, Chromium, Vanadium / Book 5 : Titanium Book 6 : Rare Earth Metals / Book 7 : Lead, Zinc, Cadmium Book 8 : Gold, Silver, Platinum / Book 9 : Tungsten, Molybdenum, Tantalum, Niobium / Book 10 : Beryllium, Boron, Hafnium, Zirconium.

Academic Activity

Short-term Courses

The Indian Institute of Metals [IIM] organises short term courses to engage extensively the professionals and students from different specializations.

IIM Swarna Jayanti Endowment - Grants & Scholarships

The National Council in commemoration of the Golden Jubilee of the Institute formed a Trust named as 'IIM Swarna Jayanti Endowment' during 1998-99, for educational and research activities in the field of Metallurgy and to organise educational and research activities with a view to encourage, assist, extend knowledge & information connected with the field of metallurgy. On the recommendations of the IIM SJE Trustees, the Council formed a 'Swarna Jayanti Committee' responsible for inviting, processing and recommending the names of the applicants eligible for the grants and scholarships. Grants and scholarships are given to the eligible and deserving applicants every year.

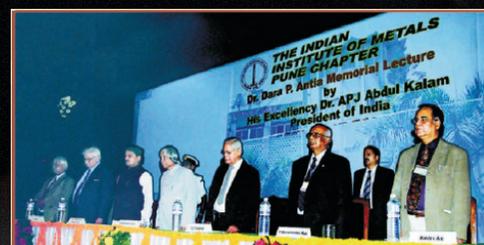
IIM Memorial Lectures

1. Prof N P Gandhi Memorial Lecture: Instituted 1961.
2. Dr G P Chatterjee Memorial Lecture: Instituted 1982.
3. Prof Brahm Prakash Memorial Lecture; Instituted 1985.
4. Dr. Daya Swarup Memorial Lecture: Instituted 1989.
5. Prof. A K Seal Memorial Lecture: Instituted 1992.
6. Prof G S Tendulkar Memorial Lecture: Instituted 1992.
7. Dr. R V Tamhankar Memorial Lecture : Instituted 1994.
8. Kishore Kumar Memorial Lecture: Instituted 2000.
9. Dr Dara P Antia Memorial Lecture: Instituted 2006.
10. Y M Mehta Memorial Lecture: Instituted 2008.
11. Dr Placid Rodriguez Memorial Lecture: Instituted 2009.
12. Dr G Venkatram Memorial Lecture: Instituted 2009.
13. Prof C V Sundaram Memorial Lecture: Instituted 2010.
14. Dr. Baldev Raj Memorial Lecture: Instituted 2019.
15. GD Birla Gold Medal Lecture: Instituted 1985.



2006, Diamond Jubilee Celebration at Jamshedpur, L-R(Standing): Mr. L Pughazenthy, Dr. Baldev Raj, Mr. V Gujral, Mr. B Muthuraman, Dr. T K Mukherjee, Mr. R N Parbat, Dr. Subir Bhattacharyya, Dr. Sanak Mishra, Mr. J C Marwah.

L-R(Sitting): Dr. Placid Rodriguez, Dr. V S Arunachalam, Prof. E G Ramachandran, Dr. Akhilesh Das (Hon'ble Union Minister of State for Steel, Gol), Dr. P L Agarwal, Dr. L R Vaidyanath, Dr. B R Nijhawan, Mr. S R Jain



2006, Dr. Dara P Antia Memorial Lecture : (left to right) Dr. Pradip, Dr. J J Irani, Shri Vilasrao Deshmukh, Hon'ble Chief Minister of Maharashtra, His Excellency President Dr. APJ Abdul Kalam, Prof. E C Subharao, Prof. P Ramachandra Rao, Dr. Baldev Raj

LIBRARY

The Institute had a well-stocked physical library @ IIM head office at “Metal House” Kolkata, which has been switched to digital platform and is ‘LIVE’ for its Members.

AWARDS & HONOURS

National Metallurgists Awards [NMA Awards]

As a tribute to the important role played by metallurgists in the country's economic development, the National Metallurgists' Day Awards Scheme was instituted by the Ministry of Steel & Mines, Govt. of India in 1962 which has been rationalised to National Metallurgist Awards Scheme to enhance the stature of the award in line with the vision of Hon'ble Prime Minister, as per the directions received from MHA. The objective of this award is to recognise these outstanding contributions of the metallurgists working in the Iron & Steel sector covering the fields of manufacturing, research, design, education, waste-management, energy conservation and their specific contribution to achieve objectives of ATMANIRBHAR BHARAT.



1963, Dr. S R Pramanik Receiving First NMD Award from Shri C. Subramaniam the then Minister of Steel, Gol

Categories and number of Awards under NMA scheme:

S. No.	Name of Awards	No. of Awards	Price Money (INR)
1	Lifetime Achievement Award	1	Nil
2	National Metallurgist Award	1	Nil
3	Award for R&D in Iron & Steel Sector	1	100000
4	Young Metallurgist (Environment Science)	1	100000
5	Young Metallurgist (Metal Science)	1	100000

IIM Honours and Awards (<https://www.nmd-iimawards.com>)

The Institute recognises and rewards outstanding contributions from metallurgists, material scientists, professionals, researchers, teachers and students in specific areas of specialisation.



1996, Golden Jubilee :
Awardees at New Delhi

IIM Honorary Membership

Honorary Members are elected every year by the IIM Awards Committee & IIM National Council from among those who have rendered meritorious service in the IIM designated fields of interest.

IIM Fellowship [Fellow Members]

Fellow Members are elected every year by IIM Awards Committee in consultation with the IIM Apex body, from the nominations received each year. A Fellow is a member of a group that works together in pursuing mutual knowledge or practice.

IIM Honors & Awards:

- ✓ IIM Honorary Membership
- ✓ IIM Fellowship
- ✓ IIM - JRD Tata Special Award for Excellence in Corporate Leadership in Metallurgical Industries
- ✓ IIM - Platinum Medal
- ✓ IIM - Tata Gold Medal
- ✓ IIM - G D Birla Gold Medal
- ✓ IIM - Hindustan Zinc Gold Medal
- ✓ IIM - SAIL Gold Medal
- ✓ IIM - Essar Gold Medal (Odd Year Award)
- ✓ IIM- Mecon Award (Odd Year Award)
- ✓ IIM - O P Jindal Gold Medal (Even Year Award)
- ✓ IIM - SMS Demag Excellence Award (Even Year Award)
- ✓ IIM - NALCO Gold Medal
- ✓ IIM - MECON Award
- ✓ IIM - TSL New Millenium Iron Award
- ✓ IIM - Distinguished Educator Award
- ✓ IIM- Distinguished Contributor Award
- ✓ IIM- Distinguished Service Award
- ✓ IIM - Dr A K Bose Gold Medal
- ✓ IIM - Vidya Bharathi Prize
- ✓ IIM - Students Prize
- ✓ IIM- Prof Brahm Prakash Memorial Quiz Award
- ✓ IIM- Best Chapter Award
- ✓ IIM - Certificate of Honour
- ✓ IIM-National Sustainability (Organizational Award)
- ✓ IIM-Materials Technology Start Up Award
- ✓ IIM- ASM Lectureship Award



2017, Shri Sajjan Jindal Receiving IIM-JRD Tata Awards for Excellence in Corporate Leadership in Metallurgical Industries from Shri Chaudhary Birender Singh, Hon'ble Union Minister of Steel at a Special Function on Nov 14, 2017

IIM MEMBERSHIP (wef 1st April 2024)

▶ Lifetime Categories

Category

Eligibility Criteria

Patron Member:

Any Company, Institution, Government Department, Corporation or individual, connected with the metallurgical industry, education research, will be eligible to be elected as Patron Members.

Donor Member (One time):

Any Company which satisfies the qualification for a Patron Member, but whose annual turnover is less than Rupees five crores will be eligible for this class of membership.

Life Member:

Shall hold the bachelor's Degree in Metallurgy or equivalent discipline from an Institute recognised by the Council or should have passed Parts I and II Examinations held by the IIM OR Shall hold a Master's Degree in Metallurgy or equivalent degree recognised by the Council OR Shall hold a Bachelor's Degree in Engineering disciplines other than Metallurgy or equivalent or a Master's Degree or Doctorate in Physics or Chemistry or Geology OR Shall be a Diploma Holder in Metallurgy with at least 3 years' experience OR Shall be a Diploma Holder in Engineering other than Metallurgy/B.Sc. with Physics, Chemistry, Mathematics/Geology and at least 3 years' experience OR Shall hold a Degree from a recognised University and shall be proposed.

Professional Member:

Shall be such other persons as are directly engaged in the promotion of science and art of making ,shaping and treating of metals and alloys for a period of not less than 10 years who in the opinion of the Council are qualified for membership. OR Any person who is not eligible for Membership of the Institute in any other way, but whose association with the Institute will in the view of the Committee be useful to the Institute may be elected as a Professional Member.

▶ Annual Categories

Category

Eligibility Criteria

Donor Member (Annual):

Any Company which satisfies the qualification for a Patron Member, but whose annual turnover is less than Rupees five crores will be eligible for this class of membership.

Member:

Shall hold the bachelor's Degree in Metallurgy or equivalent discipline from an Institute recognised by the Council or should have passed Parts I and II Examinations held by the IIM OR Shall hold a Master's Degree in Metallurgy or equivalent degree recognised by the Council OR Shall hold a Bachelor's Degree in Engineering disciplines other than Metallurgy or equivalent or a Master's Degree or Doctorate in Physics or Chemistry or Geology OR Shall be a Diploma Holder in Metallurgy with at least 3 years' experience OR Shall be a Diploma Holder in Engineering other than Metallurgy/B.Sc. with Physics, Chemistry, Mathematics/Geology and at least 3 years' experience OR Shall hold a Degree from a recognised University and shall be proposed.

Student Member:

Student Member: Studying Bachelor's Degree in Engineering / Studying Diploma in Metallurgy / Studying B.Sc. with Physics, Chemistry, Mathematics/Geology / M. Tech. (Dual Degree) can be a student member till completion of Degree.

Student Affiliate Member: A member of a Student Affiliate Chapter of the Institute.



Membership Fees (wef 1st April 2024)

Patron Member	One time subscription	₹2,50,000
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Donor Member (One time)	One time subscription	₹1,50,000
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Life Member	Admission Fee (One time)	₹300
	One time subscription	₹15,000
	Postage (One time)	₹50

Professional Member	Admission Fee (One time)	₹400
	One time subscription	₹15,000
	Postage (One time)	₹50

Donor Member (Annual)	Annual Subscription	₹15,000
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Member	Admission Fee (One time)	₹300
	Annual subscription	₹1,500
	Annual subscription (retired)	₹750
	Postage (One time)	₹50

Student Member (For 3 Years)	Exempted from All Types of Fees
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For Individuals



For Industries

- ❖ Joining Professional Group
 - ❖ Membership Certificate
 - ❖ Qualification Enhancement
 - ❖ Technical Upgradation
 - ❖ Pool of Experts
 - ❖ Conferences, Seminars, Plant Visits
 - ❖ IIM Publications
 - ❖ IIM Awards & Honours
 - ❖ Global Events, ASM etc.
 - ❖ Access to Library
 - ❖ Organizing Skills
 - ❖ Leadership Development
- ❖ Supporting the Profession
 - ❖ Joining Professional Group
 - ❖ Membership Certificate
 - ❖ IIM Awards & Recognition
 - ❖ Technology Upgradation
 - ❖ Seminars, Conferences
 - ❖ Pool of Experts
 - ❖ Technical Consultancy
 - ❖ IIM Publications
 - ❖ Third Party Opinions
 - ❖ Global Events, ASM etc.
 - ❖ Access to Library



IIM

Metallurgy
Materials Engineering

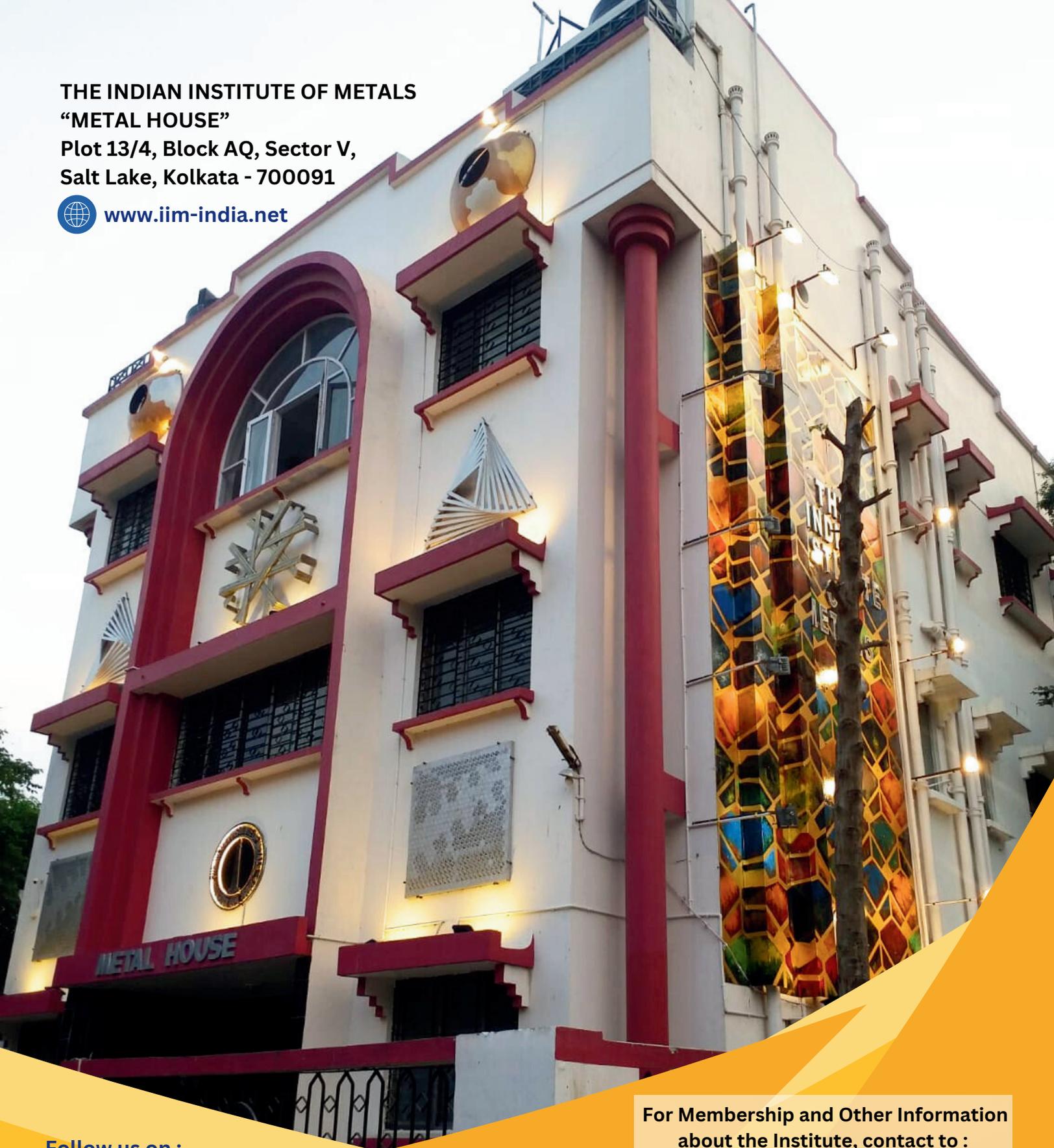
THE INDIAN INSTITUTE OF METALS

“METAL HOUSE”

Plot 13/4, Block AQ, Sector V,

Salt Lake, Kolkata - 700091

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**For Membership and Other Information
about the Institute, contact to :**

E-Mail : secretarygeneral@iim-india.net

Ph : 033 - 2367 5004 / 7089