

IIT (ISM) DHANBAD

Quarterly Newsletter



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GENEROSITY HATH NO BOUNDS

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IIT (ISM) 100 YEARS OF GRANDEUR & GLORY

The Institute is all geared up to **celebrate its 100 years** of academic excellence. The **Centenary celebrations** will encapsulate a plethora of events allowing different sorts of opportunities for all...
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LAUNCH OF ALUMNI PORTAL

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FROM THE DIRECTOR'S DESK

Dear IIT (ISM) Network,

It gives me a great sense of pride and privilege to lead your hallowed alma mater, which is on the verge of completing a glorious century. In this era, what ultimately matters is global esteem; to be spoken about in the same breath as MIT, Harvard and Berkeley. And considering that our current QS world ranking is below 1000, our quest for global recognition is a tall order. However, our determination to excel is unwavering as we have embarked on **'Mission 200e2022'** to rank among the top 200 global institutions by 2022. Consequently, major educational reforms have been initiated: UG/PG education, research philosophy, nudging the mind-set of students towards product development among others. And in our quest to make this dream come true, it is needless to say, the avowed support of the alumni shall be instrumental. We urge our alumni to come together and contribute for this noble cause.

"We are very grateful to everyone who contributed to the development of the Institute and we welcome continued support from our alumni. Looking forward to rejuvenating this pious bond within the IIT (ISM) fraternity."

- Prof. Rajiv Shekhar, Director IIT (ISM)





GENEROSITY HATH NO BOUNDS THE STORY OF GIVING BACK MR. NARESH VASHISHT

Seldom in our lifetime, do we come across such people who prove to be an epitome of what one expects from an outstanding philanthropist. **Mr. Naresh Vashisht (Petroleum Engineering, 1967 Batch)**, with his humongous donation of **\$1.157 Million (8.2 Crores approx.)**, proves to be one such example. This donation is one of the biggest donations ever made to a premier institute in the country.

Charity, as they say, begins at home. Mr. Naresh Vashisht, an alumnus of IIT (ISM) Dhanbad, has turned out as the greatest benefactors of IIT (ISM), through his generous donation to the institute's Endowment Fund. His gift shall impart many benefits to the student community, one of which is, setting up a **Tinkering & Innovation Lab at IIT (ISM)**.

[\(CLICK HERE FOR THE TIL PROPOSAL\)](#)

The lab which shall bear his name, "**Naresh Vashisht Centre for Tinkering & Innovation**", will foster a high level of creativity and innovation among its students and provide an innovative workspace for them to experiment, learn & transform their ideas into real-time engineering projects. This shall lead to a boost in products, services & patents incubated by the institute. This would prove to be the next stepping stone for the institute to consolidate its claim to one of the premier institutions worldwide.

It was after a yearlong period of tiresome research that a proposal for grant was developed. The proposal to build a world-class facility at the campus was generously adopted by Mr. Naresh Vashisht. The lab, with a space of about **10,000 sq. meter** shall have its premises in the newly constructed **GRIHA Compliant building** inside the institute. The lab along with all the facilities and equipment shall be available to all the students of the Institute.

MR. VASHISHT's MOTIVATION

Mr. Vashisht is a success story that one would love to read. In the last 28 years, he has been associated with an astonishing total of twenty-six companies. Though he comes from quite humble beginnings, born in a lower-middle-class family in Sambalpur, Odisha. After the sudden & sad event of his father's death, he along with his mother and two brothers, moved to Phagwara, Punjab to live with his mother's two brothers who were subsistence farmers. He did his schooling on scholarships, and after graduating from ISM in 1967, he set sail to gain experience in many Oil & Gas Multinationals before starting his entrepreneurial journey in 1987. Voyaging through all ups and downs, he reached the pinnacle of success and is currently the **Founder & CEO of Omimex Resources Incorporation**.

Given his humble origins, Mr. Vashisht strongly believes in giving back to the society and through his charitable trust, the **Naresh Vashisht Foundation**, he makes multiple donations to projects supporting and enabling the financially weak pursue their dreams. Scholarships from his foundation also help financially weak students from IIT (ISM) and support numerous other noble causes. His sole advice to young people is:

" Explore as much as you can, run towards things that others run away from taking calculated risk in order to achieve an extraordinary return on investments, that is how I achieved all that I have today."

RESEARCH @ IIT ISM DHANBAD

SAGES: We made a breakthrough in the mission of **Make in India** with design and development of Automated Roof Support System "SAGES" for safe, productive and economical extraction of locked coals from underground mines. This was achieved in collaboration with Jaya Bharat Equipment Pvt. Ltd., Hyderabad and the EOJ project of Ministry of Coal, Govt. of India. The machine features a medium duty 2x200t capacity **Self-Advancing Goaf Edge Support (SAGES)** for depillaring operations in underground coal mines. Mining operations are being carried out with this machine in Singareni Collieries. The machine was designed by **Prof. U. K. Singh**, Project Leader & **Prof. Dheeraj Kumar**, Co-Principal Investigator, who are from Dept. of Mining Engineering.

Another landmark in **Make In India Mission** by IIT(ISM) Team came through the designing of 5 cum **Hydraulic Excavator** for Heavy Engineering Corporations (HEC) Limited, Ranchi by **Prof. Kabir Das** and his team that led the mission. The Hydraulic was formally inaugurated by Dr. A R Sihag, Secretary, Department of Heavy Industries (DHI), Gol at HEC, Ranchi on 18 Sep, 2019. Kudos to the team for this contribution in the field of Heavy Industries!

UPCOMING ALUMNI MEETS @ IIT ISM

- **RUBY JUBILEE MEET (November 16-17)**
To relive their college experience after **40 years**, the **1979 Batch** will unite at the IIT (ISM) Campus.
- **BATCH REUNION (December 23-24)**
The alumni of **batch of 1982** of Institute from various parts of the world (US / Canada / Europe / Middle East and other parts) shall unite at Campus.
- **SILVER JUBILEE MEET (December 28-29)**
The Institute will host the **1994 Batch**, to celebrate **25 Years** of their graduation at the IIT (ISM) Campus.
- **GOLDEN JUBILEE MEET (February 1-2)**
The Institute will host the **1969 Batch**, to celebrate **50 Years** of their graduation at the IIT (ISM) Campus.
- **BASANT 2020 (February 1-2)**
Student Alumni Meet and Industry Institute Interaction shall be held at IIT (ISM) Dhanbad. Distinguished Alumni will be awarded with the prestigious awards like the **Basant Samman**. Alumni across all the Batches are invited to be the part of the same.



DREAM TOGETHER! BUILD TOGETHER!

MISSION 2026

To achieve its **Vision and Mission**, to kindle and to sustain a passion for excellence, to build upon its proud traditions and strengths, to see the Institute achieve stellar heights, it is essential for everyone associated with the institute – **the IIT (ISM) Community** – to step in for a participatory role, to be the innovative change makers and shapers of the Institute. Our collective actions will influence the **Change We Envision!** The invaluable guidance and support of alumni shall be instrumental in enabling the institute to harness its assets to their full potential. In its bid to feature among the premium institutions across the globe, the **Mission 2026** aims at generating a corpus fund of **INR 100 Crore by 2026** for our **Centenary Project** which largely embodies five major components:

- To build **Institute Infrastructure** such as **Sports Complex, Smart Lecture Halls, Open Air Theatre** etc.
- To establish **Innovation and Tinkering Lab**, to raise Research Corpus Fund
- To focus on **Internationalization of the Institute**
- To setup **Augmentation of Advanced Research Facilities**.
- To duly acknowledge **Projects funded by our alumni** in their name.

The biggest benefactors in this aspiring mission of the institute are its alumni and thus **the institute cordially invites the Alumni Fraternity of IIT(ISM) to invest in its policies by supporting Mission 2026**. Our generous donors will enjoy the privilege of naming rights for the project they funded and a proper **IMPACT & Fund Utilization Report** will be provided to them. A project can be named after an individual, a batch, a group of individuals or in the name of near and dear ones or in memorium. To each donation received from the alumni for a project the institute will try to contribute proportionality, upholding mutuality. The details for the payment and the projects for the contribution can be find on the attached link.

[CLICK HERE FOR THE BROCHURE OF MISSION 2026](#)

1926-2026: IIT (ISM) CENTENARY CELEBRATIONS

The Institute is all geared up to celebrate its **100 years of academic excellence**, grandeur & glory in 2026. The Centenary Celebrations will encapsulate a plethora of events allowing different opportunities for all. Our esteemed alumni are invited to participate in the celebration, meet their fellow mates, take a nostalgic dig revisiting their department, hostels, campus, etc. and how the institute has evolved over the years. Thought-provoking events and initiatives are planned for the same such as **Exclusive Networking Events, Centenary Exhibition & Photo Gallery, Launch of Institutes Coffee Table Book, Excursions & Campus Tour, Workshop & Centenary Lecture Series, Industry-Institute Interaction, Saga of IIT (ISM): Narrating 100 Years of Excellence, Luminous Nights**, etc..

Have suggestions on how to make this event an even more memorable one with an everlasting impact? Email us at chair_centenary@iitism.ac.in or centenary@iitism.ac.in

FACULTY ACHIEVEMENTS @ IIT ISM

- **Prof. Raghvendra Chaudhary**, Research Achievement for publishing paper 'Four Port MIMO Cognitive Radio System for Mid-Band 5G Applications.
- **Prof. B.C. Sarkar**, AGLMEAI-SRG Information technology Award 2018 for significant contribution in Information technology for Mining and Mineral Industries.
- **Prof. Ajay Mandal**, 2019 Regional Technical Award-Reservoir Description and Dynamics for South Asia and Pacific Region
- **Prof. Keka Ojha**, 2019 Distinguished Achievement Award for Petroleum Engineering Faculty for South Asia and Pacific Region
- **Prof M K Singh**, Awarded with Certificate of Outstanding contribution in reviewing papers for JOURNAL of HYDROLOGY by Elsevier
- **Prof. Raghvendra Chaudhary**, has been included in the Editorial Board of Microwave and Optical Technology Letters, Wiley Journals USA as an Associate Editor.
- **Prof. Partha Sarathi Das**, awarded the CRSI Bronze Medal by Prof. N. Sathyamurthy (President CRSI) at the 25th CRSI National Symposium in Chemistry held at IIT Kanpur from 19th - 21st July 2019.
- **Prof. Raghvendra Chaudhary**, selected for the IEI Young Engineers Award 2019-20 in Electronics & Telecommunication Engineering discipline of Institution of Engineers (India).
- **Prof. Niladri Das**, been awarded the prestigious Global Emerald Literati Award 2019 by Emerald Publishing Group, UK for his paper titled published in International Journal of Managerial Finance.
- **Prof. Sowmiya Chawla**, selected for the IEI Young Engineers Award 2019-20" in Civil Engineering discipline of Institution of Engineers.

CATCHING UP & STEERING OUR CONNECT

REPORT ON IRAA CELL & ALUMNI MEETS



ALUMNI MEETS 2019

- **9th January 2019:** IRAA office connected with alumni of **Bay area USA (San Francisco)** through a video conference. The Director addressed the gathering of alumni and apprised them with the recent policies and programs undertaken by IIT(ISM).
- **2nd February 2019: Basant**, the annual reunion of IIT(ISM) was held for the **Golden Jubilee Batch of 1969**. The event received all the praise from the golden jubilee batch. General Body meeting of IIT(ISM) Alumni Association was also held during the event. Basant Samman were given to distinguished alumni who achieved milestones in their respective fields.
- **15th February 2019: Alumni Meet of Middle East Alumni Association** held in **Dubai**, was attended by the Director IIT(ISM) Dhanbad, along with Dean (IRAA). In his address to the gathering, he highlighted the recent changes, growth and innovations. The bold initiatives undertaken at IIT(ISM) towards its growth were highly appreciated by the Middle East Alumni Association. Alumni Association of Middle East assured their full support and contribution towards the growth of alma mater going forward.
- **10th - 17th July 2019:** A series of **Alumni Meets in Australia** was attended by the Director IIT(ISM), along with Dean (IRAA). The Director laid stress on the agenda to explore and extend possible collaboration of IIT(ISM) with Australian Universities and R&D centers. He apprised the alumni with the change, growth and innovation that is happening in the alma mater. The alumni also took this opportunity to liaise with our alumni based in Australia. The alumni meet was held in Perth on 10th July 2019 & Brisbane on 13th July 2019.
- **11th October 2019: Oman get-together** was attended by 18 IIT(ISM) Alumni from **Batches of 1978 to 2009** and their families. The alumni in Oman greatly appreciated the recent academic & growth initiatives undertaken at IIT(ISM) and assured their full support for institutional growth.

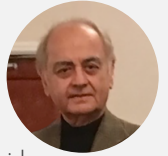
VISIT OF NOTED ALUMNI DURING THE PERIOD JAN 2019 - AUG 2019

- **Shri Anil Kumar** (B.Tech., Petroleum Engineering, 1965) - CEO, OMAK Technology LLC, Texas, USA and member of IIT (ISM) Dhanbad Alumni Association North America (ISMAANA)
- **Shri Amit Sinha** (B.Tech., Mining Engineering, 2000) - COO, Paytm Mall and Vice President- Business planning and people for One 97 Communication Limited.
- **Shri Abhijit Deonath** (M.Sc. Tech., Applied Geology, 1991) - Director, Producer, and Music Composer of the Oscar-nominated film Salt Bridge - Hindi Movie
- **Dr. Kalachand Sain** (M.Sc. Tech, Applied Geophysics, 1988) - Director of Wadia Institute of Himalayan Geology, Dehradun.
- **Dr. Akhil Datta-Gupta** (B.Tech., Petroleum Engineering, 1982) - Regents Professor, University Distinguished Professor and holder of the L.F. Peterson '36 Endowed Chair in the Harold Vance Department of Petroleum Engineering at Texas A&M University, USA.
- **Shri Omkar Nath Gyani** (B.Tech., Petroleum Engineering, 1987) - GGM & Head, Institute of Reservoir Studies, ONGC, Ahmedabad

FROM DOWN THE MEMORY LANES STORIES FROM OUR ALUMNI

SHRI NARESH VASHISHT

President of Omimex Resources Inc.
B.Tech. Petroleum Engg. (1967 Batch)



"My philosophy took me to areas where people were afraid to go, and businesses that people won't touch. One example of it is when I expanded my business in 1994, the country of Colombia was in turmoil. Drug Lord Pablo Escobar was blowing up buildings, killing judges and politicians..." [\(CLICK HERE TO READ HIS FULL STORY\)](#)



SHRI PREM VERMA

Senior Advisor, Reliance Industries Limited (E & P Division), 1974 B.Tech. PE

"It was that split-second momentous decision that put a small town, middle-class family boy, into a different trajectory in life. Later, I learned In Life..." [\(CLICK HERE TO READ HIS FULL STORY\)](#)

SHRI SIDHARTHA SUR

Independent Advisor, Oil & Gas, Former Executive Director, Institute of Reservoir Studies, ONGC, 1980 B.Tech. PE.



"As can be expected, my years spent at ISM have come with many highs and a few lows, but I would love to be able to go back and do it all over again!..." [\(CLICK HERE TO READ HIS FULL STORY\)](#)



MR. SUKHENDRA REDDY

CEO & Founder Chezuba
B.Tech. Mining Machinery Engg. (2015 Batch)

"October 2017 - I was backpacking in Myanmar when I retrospected as to where I really found my feet and pleasure, I found it in providing impact opportunities to youngsters..."

[\(CLICK HERE TO READ HIS FULL STORY\)](#)

SAUMYA PANDEY

Young Professional, Energy & Int. Corp., NITI Aayog, Govt. of India
Int. M.Tech. MnC. (2017 Batch)



"It's okay if you don't have your life sorted out yet. All you have to do is to figure yourself out & life will open up a plethora of opportunities for you ..." [\(CLICK HERE TO READ HIS FULL STORY\)](#)

You too can share your stories with us (a write up of 150-200 words along with pictures, if any) at alumniieitism.ac.in or directly message us on **Facebook**.

LAUNCH OF ALUMNI PORTAL



IIT(ISM) is blessed with a very diverse and strong alumni base. The institute's alumni hold influential positions worldwide and are the institution's brand ambassadors. This prodigious bond between the institute and the alumni has always been cherished. And thus, with the aim to connect back and bring our alumni base under a single platform, **SAIRC (Students' Alumni & International Cell)** has taken up the initiative to develop an **Alumni Portal**. This shall serve as a platform dedicated exclusively for the **alumni to connect to their Alma Mater and the IIT (ISM) Network worldwide.**

Regular updates regarding the initiatives taken by the institute shall be posted on the portal, encouraging the alumni to support such initiatives and the institute in any way possible. Alumni & current students would be able to register themselves on the portal. Upon registration, a unique Alumni ID & Password shall be provided which aid them with any process once they pass out of the institute. Along with this, the following are the benefits that all registered alumni shall avail:

- **Network and Search Access** to the IIT (ISM) Network with over **30,000 members** around the world.
- **Connect** to fellow ISMite's and Alumni Chapters near you to **seek assistance from the network** when you need it.
- **Event Updates** regarding **Alumni Meets worldwide** and events happening on the campus.
- **Newsletter** - receive an Official **Quarterly** Newsletter, containing updates about the Institute and the IIT (ISM) Network.
- **Blog** for alumni to **share their stories, publish their creations** or share their thoughts/publish articles.
- **Online Donation Portal** enabling alumni to easily **browse initiatives by the Institute & support** them in any way convenient.

The portal shall be launched on 9th December 2019 i.e. the 93rd Foundation Day of IIT (ISM) Dhanbad, by the current director of IIT (ISM) Dhanbad, Prof. Rajiv Shekhar. Students & Alumni would thereafter be able to register on the portal and avail all benefits.



TIME PAST & TIME PRESENT RD TEA STALL

"Money doesn't matter to me, it is the happiness and satisfaction that I get when I Talk to people that drives me!" - RD Next Gen

My name is Shekhar and I have been the owner of Ram Dhani Tea Stall for around forty five years. It has been an honour to know so many generations of students and professors who have come here. More than seventy years ago, when my father the original Ram Dhani, the namesake, established this shop, it was located where the New Lecture Hall Complex stands today. We have been shifted twice since then. This is our third shop and we have been here for the past ten years. Just yesterday three alumni who had studied some twenty five years ago, came here and met me which was a delight for me. Now my son Pappu has taken over the reins of the shop. The egg seller sitting yonder is my nephew. My grandson is now undergoing training in the mines Jharia. He has recently graduated from BIT Sindri. We run a tight knit organization and all the fourteen employees of RD Tea Stall are my relatives. To keep up with the times and to cater to the modern crowds we have launched burgers and pav bhaji. Just the feeling which arises when I see students come rushing from class around 9AM or 10AM for the 'Poori Sabji' is exhilarating. I just wish you all well and desire that when you have reached the heights of your success, come back and share your memories with me."

CIRCULAR

To provide wider opportunities to the department and its students, the following Departments have been renamed:

- **Department of Fuel & Mineral Engineering** is renamed to the **Department of Fuel, Minerals & Metallurgical Engineering**. (NOTE: The Nomenclature change will be effective for the students admitted from **Academic Year 2020-2021 onwards**)
- **Department of Applied Physics** is renamed to the **Department of Physics**
- **Department of Applied Chemistry** is renamed to the **Department of Chemistry**
- **Department of Applied Mathematics** is renamed to the **Department of Mathematics and Computing**

DEVELOPMENTS

- **Central Library at IIT (ISM)**, one of the **largest libraries** in India, became fully functional in July 2017. ([Click here](#))
- The construction of **Central Research Facility (CRF)**, which shall contain **state-of-the-art research facilities**, is expected to be completed by 2020.
- The **Old Central Library Building** is undergoing renovation and shall thereafter function as the **Examination Section Office**.
- **New Residential Quarters** are being constructed to adjust the **increase in Faculty Strength** in near future.
- The construction of the **New Residential Hostel** is under progress to accommodate the **increased student strength**.

CAMPUS LIFE

- **Closed Campus**, the long awaited dream of ISMites, was finally realized on **24th October 2018**. ([Click here](#))
- **SRIJAN 2019 (8 - 10 March 2019)** one of the largest Socio-Cultural Fest of Eastern India. ([Click here](#))
- The newly formed **Students' Gymkhana** of IIT (ISM) introduced the Concept of **Houses** for intra-college **Cultural/Sports Competitions**.
- **CONCETTO 2019 (18-20 October 2019)** the Techno-Management Fest. ([Click here](#))

CAMPUS BUZZ

ACADEMICS

Following **New Courses** have been proposed for **Academic Session 2020-21**:

- Two year **MBA Programme** in "**Business Analytics**" to be offered by the Department of Management Studies in collaboration with the Department of M&C and Department of Computer Science & Engineering.
- Two-year **M.Tech. Programme** in **Pharmaceutical Science and Engineering** to be offered by the Department of Chemistry.

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