We are happy and proud to present this report as a look back at all the accomplishments and activities we were able to make true through a the cumulative effort of every single person present in the chapter.

We believe that we can achieve the zenith in the future if we continue with the same zeal and alacrity. Thus we would like to thank every single person and every bit of force which was present to help us achieve whatever we have in this session. It is impossible to include the the entire list of people responsible for everything but we would like to mention a few such as our eminent faculty members including chapter guide Prof. Dheeraj Kumar, the supportive alumni who guided us throughout the year, our industrial advisor Dr. Raja V. Ramani, the heading team of session 2020-21, SME international for their support and help in whatever ways they could and especially the people who worked throughout the year without any special mention or position to make this year so important and this report so vivid.

Thank you all!

~ Editorial Team, SME IIT(ISM) Student Chapter
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Raunak Tawania Suyash Ranjan

Saswata Som
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The Indian Institute of Technology (ISM) is a prestigious educational institute of India. It is located in the mineral-rich region of state of Jharkhand, in the city of Dhanbad. The Department of Mining Engineering was established in 1926 with the founding of the School in that year. Over the Past 79 years, it has developed and grown to become the largest Department of its kind in the country with excellent facilities for teaching and research and widespread activities in both coal and non-coal/metalliferous mining. Its high reputation attracts students from all parts of India as well as from other countries.

The Department has been recognized as a QIP Centre for pursuit of higher studies by the faculty members of other mining engineering institutions. It has also been given the status of a Centre of Advanced Studies by the University Grants Commission in recognition of its high standards of teaching, research and service to the mining industry.

The students passing out from this Department have traditionally occupied top positions in the government and in the mining industry, both in India and abroad. The posts of Director-General of Mines Safety, Controller-General, Indian Bureau of Mines, Chairman and Managing Director of most of the mining companies and top executives of many other companies, both in the public and private sector, have been traditionally occupied by the ex-students of the Department. Over 300 ex-students of IIT(ISM) are working in the USA and other countries in highly respected positions.
INSTITUTIONAL PRESENTATION

SME IIT(ISM) Students Chapter, an IIT (ISM) Dhanbad student chapter of society for Mining, Metallurgy & Exploration, was inaugurated in May, 2011. It was found with the sole purpose of kindling curiosity and interest in the minds of the students of ISM about the field of mining engineering. The society collectively work in the way of making our presence known to the world as a potential body of mining engineers. We serve as the interface between our glorious alumni and our student member in order to enrich them with our alumni's priceless experience and knowledge. The member all aim to inculcate the virtues of professional attitude and involvement towards mining. We put in our best efforts to provide the members with ample global exposure, so that they can learn and adapt themselves according to the rapid developments the sector is going through, and attain enough self-confidence to walk beside the leaders of mining in the world.

**passion:** Always deliver more than what is expected of you.

**Integrity:** Knowledge without integrity is dangerous and terrible.

**Leadership:** Leadership is liberate the potential of people to make them better.

**Teamwork:** Together we achieved great goals.

**Socio Ambient Responsibility:** The price of greatness is responsibility.

**Continuous Improvement:** After climbing a very high mountain, we discovered that there are many other mountains to climb.
VISION

“By 2022, be the leading student chapter in mine planning scientific and development, focused on the needs of the mining industry.”

MISSION

“To maximise talent, under an integral approach, and to promote mining research, responding to the needs of companies and society.”

STRATEGIC OBJECTIVES

1. Strengthen the technical knowledge of students.

2. Promote scientific research in students.

3. Enhance leadership skills and integration among members.

4. Student representation and prestige to the University.

5. Disseminate responsible mining with peruvian society.
Department of mining engineering, IIT(ISM) Dhanbad has been serving the mining and energy sector of the country since its inception. ISM Dhanbad is proud to have SME IIT(ISM) student chapter to keep up with the pace of advancement in the mining sector.

It's quite good to see the student’s motivation towards the chapter activities, they are taking a keen interest in the activities and utilizing their fullest potential to develop themselves professionally.

Students have taken initiatives under this chapter to organize various events like software workshops, seminars, paper presentations, case studies and guest lectures.

The SME IIT(ISM) Dhanbad student chapter has given students a platform to showcase their talent and represent them globally through various SME scholarships, competitions such as student design competition and various other Programmes.

~ Prof Dheeraj Kumar,
Faculty Advisor, SME IIT(ISM) Student Chapter
This annual report reflects all the efforts, hard work and various activities of all the member of SME Chapter who has displayed his or her thoughts, skills, talents and emphasized on single effort of making this chapter this big.

I am very much obliged for having this wonderful team by my side in my presidency. It gives me immense pleasure to inform that the members have been doing great and putting efforts in every such way that is going to be beneficial for the society and the mining industry.

I want to extend my warm wishes to everyone who were associated to disseminate this edition of report and wish my luck for the future coming ahead of SME IIT ISM Student Chapter

~ Aditya Himanshu,
President, SME IIT(ISM) Student Chapter
VICE PRESIDENT’S REMARK

The mining industry took a hard leap in the recent decade, with the growing technology and development in the mining industry both the industries and universities should coexist and work in parallel for the betterment of the mining sector. The SME IIT (ISM) Student chapter helped its members not only in technical aspects but also gave exposure to the industrial sector. It provided the members a platform to learn, showcase and enhance their communication and leadership skills, skills to innovate and adapt to the new technology.

It is my honour to lead and assist these enthusiastic members towards the better path. The various activities seminars and meets and fests organised by our team were a grand success and helped a lot of aspiring mining engineering by exposing them to the industry and new knowledge and technologies. This year we tried educated the young minds the importance and advancements of mining industry by various activities.

Our sincere hardwork and dedication to spreading the knowledge to other students, universities and industries took a good turn. We succeeded in introducing new members and universities into the SME family. I express my gratitude to all the members of the society who strived hard for the growth and development of the society. The experience we gained help many of us to develop professionally and be prepared before the mining industry.

~ Jagadeesh Chappidi
(Vice-President,
SME IIT(ISM) Student Chapter)
SECRETARY’S REPORT

It is a pleasure for me to be able to be a part of this important group and to obtain the trust that has been placed in me. Having been entrusted to be the secretary of this chapter is an honour. It is expected from the very beginning that we commit ourselves every day to improve the management of our chapter and eventually show that we are capable of achieving the goals that we set for ourselves. I would like to thank all the members and people who placed their trust in me and renewed my commitment to meet high expectations. Among the main task entrusted to me was to make a detailed report of the various meetings, events, discussions and activities that have been carried out during my management period. In the same way, it was a part of my job to be able to contribute with the necessary support in the tasks of logistics and organization of events by our chapter.

We carried out a large number of meetings in order to observe our management and to improve it when necessary. It is the priority of each one of us to check that all the goals of our chapter are fulfilled, to ensure that efforts put by the previous team are continued and to contribute new ideas in the welfare of the society and its members.

Similarly, we must organize activities that contribute to the academic development of each student of our faculty. Also we should take into account the great reception so that we will not only continue to encourage workshops, talks, conferences and activities but also expand our fields of interest and grow together.

As a result of our work, it can be observed with greater precision the increase in the number of members of our chapter. Additionally with the active participation of different professionals who accepted to train us in various topics related to our career.

I am convinced that our management will continue with the efforts and dedication to obtain better results. Moreover the commitment to be better students and excel in everything will increase.

~Satyam Kumar
Secretary, SME IIT(ISM) Student Chapter
TREASURER’S REPORT

It is an honour to belong to this chapter, which has allowed me to develop my management skills as well as my soft skills by interacting with my working group members.

My functions in this chapter are to manage and keep a detailed account of all the monetary flows that is carried out (academic events as well as economic). This year we have been doing activities as a gift of our academic development; all this was part of our expenses, we also carryout activities with the goal of generating income.

Working in this chapter, I consider it a great opportunity, because I am developing a lot of my knowledge, both from my colleagues (about on mine experiences), as well as reading from the library provided by the SME. Therefore, the experience you get from this chapter, I think it can help many partners to develop professionally and be prepared before the mining industry.

~ Siba Sankar Sahu
(Treasurer, SME IIT(ISM) Student Chapter)
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Introduction

Mining Engineering might be considered as a risky job, but getting equipped with the tool called knowledge and technological advancement can make your life easy. SME IIT ISM student chapter has always prioritized the aim of providing technical aid to its members. Thus, different workshops have been organized throughout the academic year for the mining engineering students. These ranged from academic topics to supplementary courses and even included career counseling.
A quiz competition was organized by SME. The topic for the quiz was "Mining and Mineral industry". Students from all earth science and allied disciplines participated and the event was a success, with students showcasing their knowledge skills. The winner was Prithvi Raj with Himanshu Meghwal as 1st runner up and Raunak Tawania and Manish Kumar as 2nd runners up. All the winners will be representing IIT (ISM) Dhanbad and SME IIT (ISM) Chapter on 1st of November on Indian Mining Day at Central Institute for Fuel and Mineral Research (CIMFR).
An essay writing competition was organized by SME. The topic for the essay writing was 'Mining for a better tomorrow'. Many students from various earth sciences discipline participated enthusiastically. The most engaging essay were written by Ashok Kumar Banoth and Aarya Raj Singh Ranawat who won the 1st and 2nd positions respectively.

All the winners will be representing IIT (ISM) Dhanbad and SME IIT (ISM) Chapter on 1st of November on Indian Mining Day at Central Institute for Fuel and Mineral Research (CIMFR).
A poster making competition was organized by SME IIT(ISM) Student Chapter. The students showed their abilities through art wherein they expressed their feelings in the form of quotations, paintings, sketch etc. All students participated and performed well and among them the winners were

1. Shashi Kumar Puram
2. G S Rehan
3. Saswata Som
4. Devashish Bariko
ELOQUENCE COMPETITION

Public speaking is the art of diluting a two-minute idea with a two-hour vocabulary. All the great speakers were bad speakers at first. Take advantage of every opportunity to practice your communication skills, so that when important occasions arise, you will have the gift, the style, the sharpness, the clarity, and the emotions to affect other people. We are pleased to announce the winners of our Elocution contest, organized by SME IIT(ISM) SC and the topic for the event was “Responsible Mining”

1. Pragyan Tripathi  2. Ashish Kumar  
3. Anjali  4. Ritika Suman

All the winners will be representing IIT(ISM) Dhanbad and SME IIT(ISM) SC for Inter College Competition on 1st November 2019 on Indian Mining Day at Central Institute for Fuel and Mineral Research (CIMFR).

We also want to congratulate all of the students who entered; we received many outstanding competitors. Our only regret is that there can only be four winner. Every student who participated will receive a certificate of participation.
Mining is much more than grinding of rocks. With the advent of technology, the industry is becoming more automated than ever. SME IIT ISM Student Chapter successfully organized an interaction session of the students with the professors of IIT (ISM) Dhanbad. The objective of the event was to inculcate the perfect approach amongst budding engineers to succeed in their career. The event also focused on providing the students with a broad view about opportunities and working conditions of the industry. Furthermore, it aimed at student-teacher interaction to help students get detailed information on specific areas of interest.

The event was headed by a number of professors and industrial experience persons:
Prof. V.M.S.R Murthy
Prof. R.M Bhattcharjee
Prof. R.K Sinha
Prof. S S Rai
Prof. Om Prakash
Excursions
The Department of Mining Engineering, Indian Institute of Technology, Indian School of Mines believes that experiencing the practical situations help the students get to know the real-life situations of mining, students were taken to various mines for their local excursions wherein members of SME-ISM showed great enthusiasm and participated actively. They were assisted by a group of professors from the department of mining engineering to guide them in the field and cater to their doubts. These visits have been conducted regularly during the academic year 2019-2020. Students were taken to mines where they could practically observe the things that they have been learning in class, to help them in getting exposed to real life conditions and build industrial contacts with employees. Students were then asked to submit reports and prepare a presentation to highlight what they have learnt and feedbacks from all students were collected to so that necessary improvements can be made in the future.
Necessary arrangements for stay and food were made at all times in consultation with the concerned authorities before the students reached the mines for their excursion. Lectures were delivered to students at the mines by the mine officials which mainly included their personal experience, advent of new technology and the industry's future prospects.

Following is the list of mines Visited during the excursions 2019-20.

- Central Institute of Mining and Fuel Research, Dhanbad, India
- ACC Rajanka lime stone mines, India
- TATA STEEL, Noamundi, India
- HCL Surda copper mines, India
CIMFR
Central Institute of Mining and Fuel Research also known as CMRI or CIMFR is located in the heart of India's coal producing area Dhanbad. 81 students were taken to CIMFR in two batches to study about blasting gallery tests. They were assisted by Prof. Dheeraj kumar, from the department of mining engineering. Blasting gallery test is a part of drilling and blasting course that is in the syllabus of undergraduate course at ISM.

ACC Rajanka limestone mines
81 Students were taken on one day visit to this mine in two batches, Prof. VMSR Murthy, Prof. P Sahu from department of mining, IIT(ISM) guided us all through the visit. It is the mine which has ACC crusher plant processing unit. It was a wholesome experience of intense heat, dust and also a wonderful experience.
HCL Copper Surda mines

It was a 2 days visit to the Surda mines. It is located in east Singhbhum district in Jharkhand. 81 students were taken in 2 groups, Prof. VMSR Murthy, Prof. Kashi-nath, department of mining engineering, IIT(ISM) guided the students all their way. On first day we visited vertical shaft main entry level and underground mines. Where we have learnt about compressed air pipe, ore transportation, roof supports and ventilation. On the second day we visited processing plant Hindustan Copper Limited where we have learnt Froth Flotation process or Oil flotation process and we have clearly explained about the equipment commonly used in flotation plant. On a whole it was an amazing experience visiting mines.
Noamundi iron ore mines, Tata steel

It was a two days trip to the Tata steel. It is located in west Singhbhum district in Jharkhand. 81 students were taken in 2 groups, Prof. VMSR Murthy, Prof. P Sahu, Department of mining engineering, IIT (ISM) guided the students all their way. Students were accommodated in Tata training centre. First half of the day was a complete lecture day with different professionals of Tata Steel Noamundi sharing their experiences. Next half day was visit to the iron ore mines. Second day was visit to Rapid loading system Tata steel, wet processing plant Noamundi, Tata Steel waste water purification plant and botanical garden.
A guest lecture headed by Prof. Yoginder P. Chugh, Emeritus and Visiting Professor Mining and Mineral Resources Engineering, Southern Illinois University was held on January 13, 2020 at IIT (ISM) Dhanbad. The lecture was delivered on the topic "Application of Rock Mechanics and Ground Control for Mine Planning and Safety". All undergraduate and graduate students (MS and PhD) in Mining Engineering and related disciplines) attended the lecture enthusiastically. Many concepts of rock mechanics were discussed. In the end questions were asked by the students and further discussions were carried out. The event proved to be very beneficial for students.
WORKSHOP
On AUTO CAD

Having first hand knowledge of this software that is used in the mining industry is of prime importance for every mining engineer. Keeping this in mind SME IIT ISM student chapter organised a workshop on AUTOCAD which focussed on acquainting the students with the basic concepts of the software. It was held in two sessions of three hours expanding over two days. To save time, the students were asked to install a copy of the software in their laptops beforehand. The first session aimed at providing brief knowledge of some tools of the software. The teaching part was done for the first two hours and the last one hour was dedicated to clearing doubts. In the next session the students were given designs and they had to draw them using the software, with each new problem the difficulty was rising. Finally, the workshop ended by asking for student feedback. Inspired by this we held may more workshops later in the year.
A quiz competition named Breaking Bad was organised on 25th Feb, 2020. It comprised of 2 quizzes-General quiz and Mining quiz. A unique format of elimination in subsequent questions was used in the quiz to make it more competitive. The event received good participation from the students. Winners of the quiz competition are:

**Mining quiz**
1st- Dasaraju Abhinav.
2nd- Adhyaay Tharwal
3rd- Thota Tanuja

**General quiz**
1st- Suyash Ranjan.
2nd- Mehul Raj
3rd- Dhruv Sharma

Prizes and certificates were distributed to the winners on spot.
The Annual Mining Fest KHANAN’19 aims to bring the students from different institutions offering mining & allied courses in the country on a common platform and would help them showcasing their skills. This year Khanan’19 was held from 6th of September, 2019 to 8th of September, 2019. A series of events including panel discussion, guest lectures by eminent personalities in the industry, paper presentations, case studies etc. were conducted during the three day festival. It provided a real life environment to the aspiring Mining & Earth Science students and exposed them to the real world problems and challenges in the industry. The summit seeks to improve decision making and problem solving skills of the students and inculcate a sense of professionalism among them. Last year, this three day festival had also been successful in bringing in goodwill and notable recognition for the Department and the Institute. It was also aimed at integrating and strengthening the bonds of the Institute with the Mining Industry. Khanan’18 had been a success only due to the incomparable support from our worthy Industrial Sponsors.
Events included in the fest are PAPER PRESENTATION, QUIZZINE (TECHNICAL & GENERAL), INDUSTRIAL DESIGN PROBLEM, TOPOGRAPHIA & WORKSHOP, Poster Presentation, ROBOTICA, PLACEMENT FEVER, TREASURE HUNT, CASE STUDY, GUEST TALK (HZL & SANDVIK). Total of 1500 participants both including External and Internal participated on these events out of which 300 participants were from different colleges. Lot of different Colleges participated on the fest and represented their college very well.

The event opened with inauguration ceremony with expected prominent guests were:

• Sh. P. M. Prasad, Chairman cum Managing Director, Bharat Coking Coal Ltd.
• Sh. Ravi Arora, Marketing Head, SANDVIK Asia.
• Sh. Praveen Singh, Digital Officer, Hindustan Zinc Ltd.
• Prof. V. M. S. R. Murthy, Head of Department Mining Engineering, IIT (ISM) Dhanbad
• Prof. Dheeraj Kumar, Advisor SME IIT ISM Student Chapter.

And all the professors of Department of Mining Engineering.

The event was a huge success in increasing the interaction between the leading industry and students.
I. CHAPTER EXPANSION
II. KEEPING UP WITH REGULAR MEETINGS
III. WHATSAPP MEETINGS
IV. JHARKHAND RUBICS CUBE OPEN
V. BASANT ALUMNI MEET
VI. ONLINE CV MAKING COMPETITION
VII. ONLINE VALUABLE INPUTS OF GATE RANKERS
CHAPTER EXPANSION

Under the able guidance and leadership of the chapter Faculty Incharge and the Secretary, SME ISM chapter has been subdivided into Technical, Media, Business Development, Finance, Marketing, Branding, Think, Designing, Event and Drafting & Logistics team. These teams are headed by pre-final year students and this month saw the involvement of the 2nd years into these teams for the first time.

More than 60 new members were enrolled as team workers to assist the heads of these teams. This step has been taken mainly to expand the horizon of chapter’s action and to distribute the work load during events. Depending on the abilities of the new members based on their interview, they have been assigned their work.
This year was till date the most happening year for SME — ISM student chapter even after the pandemic of Covid-19 we have continued to conduct online events for development of members skills. Several events were organized ranging from technical to non-technical contests, live workshops to Skype presentations and field events to cultural festivals. To ensure proper conduction of these events, as well as for regular issues, meetings were organized. In general meeting, all members attended and gave their view in the smooth working of society and what new can be added. In our first meeting we decided the formulation of an annual calendar for the activities to be conducted throughout the year. This year has been a most smooth and active working of SME society.
WHATSAPP MEETINGS

SME- IIT (ISM) has always believed in keeping up with the technological advancement to achieve our goals easily. During the vacations and Covid-19 lockdown multiple meetings were successfully carried out on whatsapp for taking important decisions regarding post vacation events, innovative suggestions and Report formulation. Timings of these meetings were pre-decided and members were asked to be free during the time and come up with their ideas on the topics of discussion.
CUBE EVENT

On 19th January Jharkhand Cube Open was organized by the SME IIT SC under the World Cube Association (WCA) at our IIT (ISM) Dhanbad campus. The competition rendered a platform to showcase Rubik’s Cube solving skills. It has been found that engaging our brain in mental activities like solving puzzles, cognitive games can help keep the mind sharp in old age. So when we get old (really old), and our friends have faded into obscurity, we can still be sharp because we fed right things to our brain. It also teaches us life lessons like perseverance, patience, ability to focus, concentration etc which a engineer is supposed to perform in the industries. It was open to the people of all age groups but the major focus was on students between 8-20 years. Students from our campus, as well as other institutes, participated enthusiastically. The challenges posed to the competitors were 3*3*3, 2*2*2, 4*4*4, 3*3*3 blindfold, 3*3*3 one-handed, pyraminx, and skewb Rubik’s cube and the winners are Adil Ahmed, Adil Ahmed, Akula Pawan Kumar, Syed Zain Ali Behzaad, Adil Ahmed Akula Pawan Kumar, Sujatro Bhadra respectively. Moreover, the award for best female cuber was given to Sirigireddy Dhana Laxmi (Pre Final year, IIT (ISM) Dhanbad) and the award for the best newcomer cuber was given to Abhishek Moka (First year, IIT (ISM) Dhanbad). The event concluded with feedback and the gist of that was we should conduct such event more often.
Mining engineering, being one of the oldest branches of IIT (ISM) Dhanbad has witnessed the outgrowth of some of the excellent personalities. To have a clear image of what is the current scenario in the industries, the interaction of students with such delegates is of much importance so the SME IIT (ISM) Student Chapter took two necessary initiatives-
Alumni Interaction

We organized an interactive workshop with some of our alumni, Prof. L K Bose being the chief speaker, presented his father book COMMEMORATIVE VOLUME to Prof. Rajiv Shekhar, Director, IIT (ISM) Dhanbad, abstract of Prof. S.K Bose paper contains symposium on training of personnel for The Mineral Industry. The latter part of the workshop focused on sharing experience of Mr. D V Pichamuthu, Mr. HAR Kirat Singh, Mr. R N Padhi, Mr. K K L Das - 1960’s Alumni, Mr. S K Pariyar, Mr. P S Upadhyaya, Mr. Ishwar Singh, Mr. S R Panja, Mr. S P Chand -1970’s Alumni. The latter part of the workshop focused on digital profile marketing of oneself on handles like SME International, LinkedIn, Indeed etc.

SME Stall

Basant proceeded with the showcase of achievements in the form of small stalls, SME stall being one of them. It exhibited the last few editions of SME IIT (ISM) Student Chapter Gazette, our annual technical chapter magazine. The stall was visited by a large audience, most of them being our Alumni. The stall resulted in a healthy exchange of contacts with several industry professionals and helped our members establish a strong network within the professional world.

At the end, alumni of 1960 and 1970 batches posing at historic Oval garden during Basant2020 celebrating their Diamond Jubilee Reunion and Golden Jubilee Reunion respectively. Alumni were satisfied to see that the future of the mining industry is in the hands of such young enthusiasts.
Online Curriculum Vitae(CV) Making Competition

A CV making competition was organized by SME IIT(ISM) Student’s Chapter from 2nd March to 4th March 2020. The participants were required to submit their CV’s online. It is as important for the students to present their accolades in a proper and impressive manner as achieving them. SME took an initiative to help students improve their CV making skills. The event proved to be a huge success. From the many students who gave entry for the event Ritika Suman, Satyam Kumar and Sanyami Nidhi secured the 1st, 2nd and 3rd position respectively. Moreover all the students who participated improved their resume making skills.
We are pleased to announce that IIT (ISM) Dhanbad have brought laurels to the institute by performing exceedingly well in the Graduate Aptitude Test in Engineering (GATE 2020). Some the achievers are:
1. Priyanshu Maheshwai AIR-1 in Mining Engineering
2. Devesh Rathor AIR-4 in Mining Engineering
3. Vivek AIR-5 in Mining Engineering
4. Dev Basant AIR-11 in Mining Engineering
5. Raushan Kumar AIR-16 in Mining Engineering

To carry out the legacy of these achievers SME IIT (ISM) Student Chapter conducted an open interaction between these gate qualifiers and students where they could openly ask any doubts about the preparations. They further also asked how to achieve good rank and how to maintain time with college and preparation. This event really helped students who wanted to get a good rank in future.
CHAPTER AND STUDENTS ACHIEVEMENTS

1.) INTER COLLEGE COMPETITION AT CSIR-CIMFR
2.) SME PHOTO CONTEST
3.) SCHOLARSHIPS
4.) CONCETTO 2020
Inter College Competition at CSIR-CIMFR

1st November, 2019.

On the occasion of Indian Mining Day an inter college competition was organised at CSIR-Central Institute for Mining and Fuel Research. The chief guest for the event were P.S.Jaitawat (Head of Unitat Balasore Alloys Limited, Ajmer, Rajasthan, India), Prof. VMSR Murthy, S. K. Behera (scientist, CSIR-CIMFR) and P. K. Singh (Director of CSIR-Central Institute of Mining and Fuel Research Dhanbad).

A total of 15 students were selected to represent IIT ISM Dhanbad at CIMFR through college level competitions organised earlier by SME-IIT (ISM) student chapter. A plethora of events were organized which included essay writing, elocution, poster making and a mining quiz competition which was held in six rounds.

Five students from the contingent were able to secure top three position in different competitions leaving behind the participants from various other colleges.

The winners are as follows:
1. Devashish Bariko (1st position in poster making competition)
2. Saswata Som (3rd position in poster making competition)
3. Ashok Kumar Banoth (2nd position in Essay competition)
SME Photo Contest

One Entry from SME IIT (ISM) Student Chapter were made to the Honorary Mention of SME photo contest 2019.

By-
Siba Shankar Sahu,
Pre-Final Year, Department of Mining Engineering, IIT (ISM) Dhanbad.
Scholarship

Scholarship Awarded to Meritorious Students

1. Anant Singhal - Coal & Energy Division
2. Vivek Oraon - John Sidney Marshall
5. chappidi Jagadeesh - John Sidney Marshall
8. Satyam Kumar - John Sidney Marshall

SME IIT (ISM) Student Chapter heartily congratulates all the Student Chapter Members for their Achievement of the prestigious scholarship granted by SME International.

After months of hard work, their painstaking efforts were suitably rewarded through the scholarship.

We hope to see similar and greater achievements by the chapter in the future too.........

A total of 7200$ Scholarship Awarded to the students.
Concetto '19 the annual Techno-management fest of ISM Dhanbad witnessed active participation of students from all years in Mining Engineering Events. The Mining Segment of the festival had 3 events such as Topographia, Case studies and Industrial Design Problem.

The Mining Department section of the festival was headed by two pre-final year students and 4 Organizers from 2nd Year. The events were judged by Faculty members and technocrats from companies in the most impartial manner. Many students became a part of the festival and every event was covered by the local media and Press. Management and organization was done in the best way possible and the whole thing turned out to be a great success.
Amazing platform created by SME IIT-ISM students chapter. Bringing together Mining engg students at one common platform from across the country, opportunity for them to exhibit their technical skills with fun filled activities and learning from the experiences of industry stalwarts, Truely commendable! My compliments and best wishes!!!

~ Ravi Arora  
(Sandvik Marketing Head, ISM Alumnus)

SME - ISM chapter is playing instrumental role in integrating new technology in mining and helping the students and industry people in skill upgradation. Wish SME ISM very best for future endeavours.

~ Rahul Kumar  
(Manager, Reliance Power Limited, 2012 ISM Alumnus)
AIM For upcoming years

- More interaction with industries by conducting Guest Lectures and Conference.

- Building a platform for all SME Chapter of India so that all the chapters could complete and prosper together.

- Organization of Mine Visit for First Year students.

- Workshops on Machine Learning and Data Mining.

- Workshops on ArcGIS and ERDAS.

- Starting an online mentorship program for the chapter members with mentors being alumni to establish better conduct and connection with the Alumni and industry.
TREE PLANTATION
Apart from providing great opportunities in industrial ventures to the students, SME IIT(ISM) Student Chapter never forgets about its responsibility towards mother nature. During winter break, the whole mining department of IIT(ISM) Dhanbad under guidance of office bearers of the chapter and Prof. Dheeraj Kumar organised a Tree Plantation campaign. They planted numerous trees throughout the campus in this campaign. The active participation of the students and their enthusiasm towards shaping their future in a better way, made the event a great success.

COVID-19 FUNDRAISER
SME IIT(ISM) Student Chapter conducted a fundraiser for helping the poor citizens during this pandemic and helped those who were in dire need of support and aid.

INTERNATIONAL YOGA DAY
The Students of the institution, especially those who are also a part of the chapter have a permanent focus towards keeping themselves in perfect shape all the time. This can be well seen from the fact that more than 50 students of the chapter took out their leisure time to become a part of a yoga Day. Everyone was shocked to see the presence of these students not as solo health concerned undergraduates but a team of 50 SME IIT(ISM) chapter members showing so much importance towards health.
DISTRIBUTION OF CLOTHES DURING WINTER IN THE SLUM AREAS OF DHANBAD

In the month of January SME in collaboration with an NGO carried out a noble work of distribution of woolen clothes to the poor and needy. About 1500 wearables were collected from hostels of IIT ISM Dhanbad. The team consisting of many 2nd and 3rd year students of the SME society volunteered to distribute clothes enthusiastically. Many blankets, jackets, woolen wears and shoes were given to poor homeless people around the Dhanbad city putting a smile on the face of receivers.

DISTRIBUTION OF FOOD DURING FLOODS IN BIHAR

Students of SME Dhanbad Chapter carried out a charitable work of distribution of relief goods to flood affected areas of Bihar in India. In the month of October students of SME society came forward and inspected various villages near to city Patna (which was badly affected by floods) in Bihar. About 1000 water bottles, 20 cartons of packets of biscuit, bedsheets, shawls, bleaching powder, matchboxes, candles, sanitary pads and eatables were distributed in these areas. This generous act of providing necessary relief items by the SME students proved to be a big help for the people who had lost a lot in the floods.
The SME ISM Student Chapter established in the year 2011 is a recent step, yet enthralling initiatives were taken in the last academic year to add to laurels of the mining department and provide the students with yet another platform for professional building of their profile.

The Chapter currently has more than 126 members in the University and 14 International members. The chapter has been successful in delivering its mission of inculcating professional attitude, involvement and interest towards mining in communities and industrial exposure in its members so far and we hope we could raise the bar in near future.

The Chapter has been instrumental in conducting many technical workshops, social events, field trips, exposure of mining equipments to freshmen. The chapter members were recently awarded 5 SME Scholarships which being exclusive in the country.

~ Editorial Team, SME IIT(ISM) Student Chapter