



SME
Society for
Mining, Metallurgy
& Exploration



SME ISM Student Chapter Annual Report 2015-16

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Cover Letter

SME ISM Student Chapter

Indian School of Mines, Dhanbad-826004

June 01, 2016

Mona Vandervoort

Education Coordinator

Society for Mining, Metallurgy and Exploration

12999 E. Adam Aircraft Circle

Englewood, CO 80112

Dear Ms. Vandervoort,

It is a matter of great pleasure and honour to present you the Annual Report of the SME ISM Student Chapter for the session 2015-2016. The report has been compiled by the report drafting team of the student chapter rigorously following all required components outlined by the Annual Report Guidelines.

The report is attested to contain accurate information. Questions relating to any aspect of this report should be directed to the SME ISM Student Chapter at smeismdhanbad@gmail.com. The following report describes in detail about all the activities conducted by chapter during the last session. Your review of this report for the Outstanding Student Chapter Contest would be greatly appreciated.

Sincerely,

Team SME ISM Student Chapter

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Executive Summary

The academic session 2015-2016 had been a continuation to the success story of SME ISM Student Chapter as accomplished in the last session. An ever enthusiastic team of office bearers worked with proper coordination to achieve the milestones and ensure smooth functioning of the chapter. The success story of the chapter could be ascertained with the fact that the chapter was able to accomplish all the goals set for the academic year as mentioned below:-

The major aim of the chapter was to encourage the students from various disciplines to join the society. The students from Mineral Engineering and Applied Geology also applied for international membership this year along with mining engineering students. The Membership Day was organized to inform the students about the benefits of the society and as a result 67 local members and 32 international members joined successfully.

The next in the list was networking with graduate students, professors and industry professionals. The next edition of the Quarterly Newsletter “SME CONNE-X-ION” was released with a focus on major chapter activities as well as research projects undertaken by Department of Mining Engineering. The main aim of the newsletter is to connect the alumni with the student chapter and keep them updated about the chapter activities as well as various international events and meetings of SME. The Chapter also organized the annual student interaction cum experience sharing session named as “Mining Convergence” which provided a unique opportunity for student members to interact with ISM Alumni of 1966 Batch who were on a visit to their Alma Mater as a part of Alumni Reunion program organized by ISM Administration. Also to keep our Alumni as well as the SME officials updated with the chapter activities, we regularly E-mail them the Monthly Report on first Monday of each month. The Monthly Report is also updated on e-community page of Indian School of Mines, Dhanbad which ensures the greater reach.

The third goal for the year was to become more involved with the MEC. SME ISM Student Chapter conducted a Gem & Mineral Exhibition at Indian School of Learning, Dhanbad with an aim of informing and educating high school students about the importance of mining & minerals in their everyday lives. The members of chapter also displayed stalls at ‘BASANT’, the Alumni reunion of ISM and told the community about significance of mining industry and mining education and the efforts being carried out by SME and MEC for mineral education.

The next aim of the student Chapter was to learn more about the industries that the members of student chapter and future mining engineers are going to enter. It would help them to get acquainted with the work culture and responsibilities one has to face while working with a firm.

To achieve this goal, the student members paid visit to several industries and mines including coal mines of TATA Steel, Coal India Limited, uranium mines of UCIL, copper mines run by HZL etc. The unique initiative that was taken this session was Industry Institute Interaction in which prominent personalities of Mining and Mineral industry gathered together and motivated the students and talked about the opportunities and challenges in the industry.

The ISM Student Chapter's main goal is to expose members to influential companies and people in the industry in order to prepare them for their future entrance into these companies in a better way. Keeping the above fact in mind, a series of guest lectures were organized by the chapter including the lectures delivered by Chairman-cum-managing Director of major mining companies as well as mine planning institutes. To help the students interested in research field, a guest lecture was delivered by the Director of Central Institute of Mining and Fuel Research.

The SME Student Chapter at the Indian School of Mines (ISM) has encouraged students at all levels of schooling to participate in educational group activities and gain valuable experience. SME ISM Student Chapter has established a legacy of bringing home the prestigious SME scholarships. Motivating a larger batch, inductions and workshops paved the path for 5 prestigious scholarships worth 2500 \$ this year.

Overall, it was a very successful year for the SME ISM student chapter. Next year we are looking forward to continue with a great core of officers to lead the way and keep up the momentum of past years.

Words from Faculty

Faculty Advisor



As the faculty advisor of SME ISM Student Chapter, I am glad to see the students of Department of Mining Engineering doing their efforts to keep pace with the happenings in the industry. It is a matter of great pleasure for me to add words to the Annual Report of the SME ISM Student Chapter for the session 2015-16 and I attest that the information presented here is accurate to the best of my knowledge. I have been associated with the Chapter as the faculty advisor since its inception in 2011 and I am extremely proud of our students' performance and achievements during last few years.

As the Faculty Advisor, I have always insisted the students to participate and organize those activities, they find interest in and that would help them in their academic as well as professional career. The activities like technical workshops and quizzes were very helpful for the students to get acquainted with the various useful software used in the industry along with refreshing their basics about the subject. The guest lectures by eminent people in the industry and interaction session with Alumni were appreciable events and meticulously managed by the students.

The office bearers of the chapter under the leadership of Pritam Sinha are doing a commendable job to expand the reach of the society and broaden its impact on campus and I hope the good work would be continued by new members as well. As Faculty Advisor, I try to get the feedback of the department from the students' perspective and provide with all the required resources necessary for the chapter throughout the year.

I am also happy to announce the conduction of Annual Mining Festival KHANAN'16 to be organized by the SME ISM team in the coming year. It will surely be a landmark in SME ISM history. I applaud the entire SME ISM team for their amazing job with them good luck for their future endeavours.

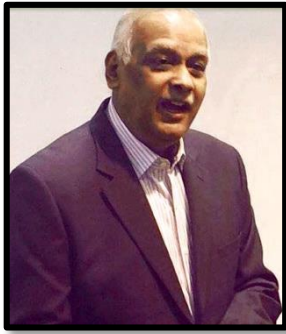
Sincerely Yours

Prof. A K Mishra

Chair Professor (Uranium Corporation of India Limited)

Indian School of Mines, Dhanbad

SANDVIK Chair Professor



This is only my first year as a professor in Mining Department at Indian School of Mines, Dhanbad and I am very happy to see the students of the department putting their efforts apart from regular curriculum in order to improve their technical and professional skills. The ISM Dhanbad chapter of SME provides a perfect opportunity to the students to have a better networking that would help them in their future endeavours.

The student involvement in SME and the networking opportunities has not only led to their personal development but also the growth of Department of Mining engineering as a whole. Due to surrounding area's coal industry, most graduates would enter the coal industry, but our course curriculum is not limited to coal only. The program illustrates engineering principles in metal and aggregates as well. The various activities of the chapter allow the students to adopt the technical and infrastructural developments taking place in the mining industry. It also provides them with an opportunity for global exposure and a chance to remain connected to their alumni.

I also participated in some of the events of the chapter as a judge and was glad to see the enthusiasm of the students and their hard work in making the events successful. Looking at their enthusiasm I also helped them to approach some eminent personalities including Dr. P. K. Singh who is currently the Director of CIMFR to deliver a guest lecture and provide a different perspective to the students to pursue research in the Mining field. Mining Convergence was an event which I personally enjoyed very much.

On a personal note, I would like to thank SME ISM and SME International for all the opportunities they have provided to their members. I applaud the entire SME ISM team for their amazing job of getting the word out there regarding modern mining and the impact it has on our lives.

Sincerely Yours

Professor V.K Singh

Sandvik Chair

Indian School of Mines, Dhanbad

Office Bearers' Report

Office Bearers 2014-15



Pritam Sinha
President



Shubham Choudhary
Vice President



Saurabh Chaturvedi
Secretary



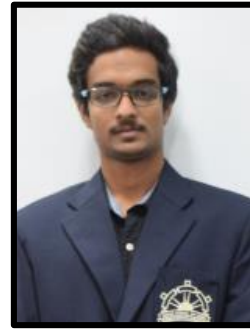
Piyush Pratik
Additional Secretary



Prasun Kumar
Treasurer



Rajeev Ranjan
Additional Treasurer



Kunal Bohra
Head, Designing



Ketan Mishra
Head, Drafting



Shubham Bansal
Head, Logistics



Kundan Kumar
Head, Membership



Harsh Vardhan
Head, Technical



Rohit Kumar
Social Media Administrator

President's Report

It was a great honour and pleasure to serve as a President of SME ISM Student Chapter during academic year 2015-2016. It has been an awesome year for SME ISM Student Chapter. The impeccable enthusiasm of the chapter members and the stupendous contributions of the office bearers made this session a trail back in the sessions to be followed.

When I took over the role of President from the former role of the Secretary, my objective was to increase the motivation of students and their participation in the chapter activities. Funding for chapter activities formed yet another bar to be raised. I am proud to say that the Chapter has grown immensely in the past 12 months and it has increased its membership and participation, as well as number of activities, campus events, and outreach. This is a wonderful achievement for all officers, members, and faculty involved with the Chapter, and I hope that they are all as proud as I am of this accomplishment.

The official announcement of Annual Mining Fest 'KHANAN' is a thunderous example of the rising leadership abilities of SME ISM Student Chapter. The Annual Mining Fest 'KHANAN-16' aims to provide an opportunity to the students of Mining Engineering & Earth Science of different colleges in India to expand the depth of knowledge in the field of Mining & Earth Science, Encourage creativity, Exposure to Mining Industry & Geo-Sciences and Test of professional competence.

The chapter successfully released the Quarterly Newsletter, SME CONNEXION with a basic idea to connect the alumni with student chapter and to keep them updated with chapter activities as well as various international events and meetings of SME. Due to our consolidated ties with the alumni of Indian School of Mines, guest lecture, webinars and industrial interactive sessions were never a problem. The chapter also moulded a benchmark for the quality of case studies and presentation competition organised in partnership with mining industry. The SME ISM Student Chapter has established a legacy of bringing home the prestigious SME scholarships which had made the chapter a torch bearer for the newbies and previously established chapters in Indian Subcontinent. Motivating a larger batch, inductions and workshops paved the path for 5 prestigious scholarships worth 2500 \$ this year.

The collaborative partnership of Mining Engineers' Association of India (MEAI) with Society for Mining, Metallurgy & Exploration (SME) for mutual growth and benefit of both professional societies will definitely benefit the chapter members.

I would like to thank I feel that all of our hard work this year improved our chapter and set a solid foundation for success in the coming year. Next year we are looking forward to continuing on with a great core of officers to lead the way and keep up the momentum of years past.

Best wishes for a bountiful year for our Society and its people!

Sincerely,

A handwritten signature in black ink that reads "Pritam Sinha". The signature is written in a cursive style with a large initial 'P'.

Pritam Kumar Sinha

Vice President's Report

The session 2015- 16 has been a continuation of the successful endeavour by the SME ISM Student Chapter. Some of the major initiatives, including the Mineral Outreach Program in association with MEC (Mineral Education Coalition); along with various technical workshops, guest lectures, and webinars have not only extended the domain and range of knowledge of the members, but also have helped them develop interpersonal as well as professional communication skills.

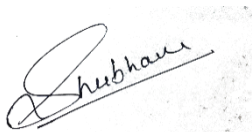
Right from the beginning our focus was on getting global exposure through the industry. With the efforts of the faculty members & new office bearers of the society, the first ever Mining Summit - KHANAN 2016 will be witnessed where students from various Mining Schools/ Universities will learn from imminent industrial personalities.

Throughout my tenure, I tried to encourage the younger office bearers to take the responsibility of making events successful and it is indeed true that my participation was negligible as compared to theirs. We also worked on improving connectivity of chapter with our esteemed alumni through semi-annual newsletter -Connexion.

We have taken positive steps to achieve exposure with KHANAN, but our next target is to raise funds to help attend the SME Annual Meet the upcoming years. We also aim to successfully attempt the SME/ NSSGA.

Finally, I would like to admit that it has been a great pleasure working as an office bearer of SME ISM chapter. It provided me a chance to prove my leadership and I tried my best to inculcate the same spirit in younger members as well. As the success of any organization depends upon a hard working team led by a strong and innovative mind, I am quite confident that SME ISM student chapter would rise and shine under its new leadership.

Sincerely,



Shubham Choudhary

Secretary's Report

It's been an honour to serve as the Secretary of SME ISM Student Chapter and I tried my best to carry forward the momentum imparted by the previous Office bearers. The chapter provided me a platform to develop my leadership skills and to work in coordination with a great team of office bearers. I ensured the regular meeting of office bearers and kept a track record of their performance. It helped the officers to perform their respective tasks and allowed the smooth functioning of society. We decided to split our team into two with another led by Piyush Pratik, Additional secretary of the chapter, so that the two teams could organize the events alternatively and reduce the burden. The idea worked out really well and we were able to manage our academics along with chapter activities.

In order to ensure that the chapter works mainly for the benefit of student members, I convinced our president to arrange workshop to teach basic software skills to all the members that included MS Office Workshop to help them prepare reports, presentations and write research papers in proper format. I also insisted to organize mining and mineral based quizzes solely for the members to help them review their knowledge about the subject.


We organized our annual events including Mining Convergence, Induction of sophomore students, Chromine etc. well on time along with several new events. We also mutually agreed to reduce the frequency of our newsletter CONNEXION from quarterly to semi-annually so as to provide quality content and avoid repetition. I also assisted our Drafting Head Ketan to prepare the monthly reports and E-Mail it concerned people on time.

The major achievement for the office bearers was to approach and convince the eminent personalities in the field of Mining, Mineral and Exploration industry to pay a visit to the institute and address the students. It included a guest lecture by Dr. P. K. Singh who is the Director of Central Institute of Mining and Fuel Research, Dhanbad. The event was appreciated by the visitor and faculties alike.

The major task that the chapter is looking forward to is to organize the Annual Mining Festival **KHANAN'16** that is scheduled in the month of September this year. The event would setup a benchmark to the leadership abilities of SME ISM Student Chapter to host a mega event that would consist of representation from different Mining and Earth Sciences institutes throughout the country. The event would also help to increase the outreach of SME ISM Student Chapter.

The session was quite busy and productive for the chapter and next session is assumed to be a lot busier. So we are looking forward to have a great core of office bearers to lead the way and take up the responsibility with sheer display of enthusiasm.

Sincerely,

A handwritten signature in blue ink that reads "Saurabh". The signature is stylized with a large, sweeping initial 'S'.

Saurabh Chaturvedi

Treasurer's Report

As treasurer of the SME ISM Student Chapter, my responsibilities were to maintain a positive balance of the chapter's accounts and keeping the other officers informed about our financial standing.

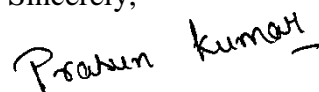
The 2015-2016 academic turned out to be a very strong and involved year for the Society. The beginning balance for the year was a substantial amount at ₹29,382 (\$435.53), thanks to the efforts of our seniors. The funds received by the chapter were sufficient enough to pay for this year's activities. The major source for our revenue was the "Membership Day". With the enrolment of approximately 55 local chapter members and 32 international members, the event proved to be a huge success. The local chapter members were supposed to pay ₹300 each. Thus, we were able to generate an income of ₹16,500 (\$244.58).

This year, we also reached out to companies for local sponsorship and received ₹1,500 (\$22.23) from Career Launcher. Apart from this, we were also able to get enough sponsorship for our event "Chromine" making it almost a self-sponsored event. The chapter only had to spend a meagre ₹500 (\$7.41) for the event. We hope to approach more such companies in the next academic year and to receive more and more local sponsors.

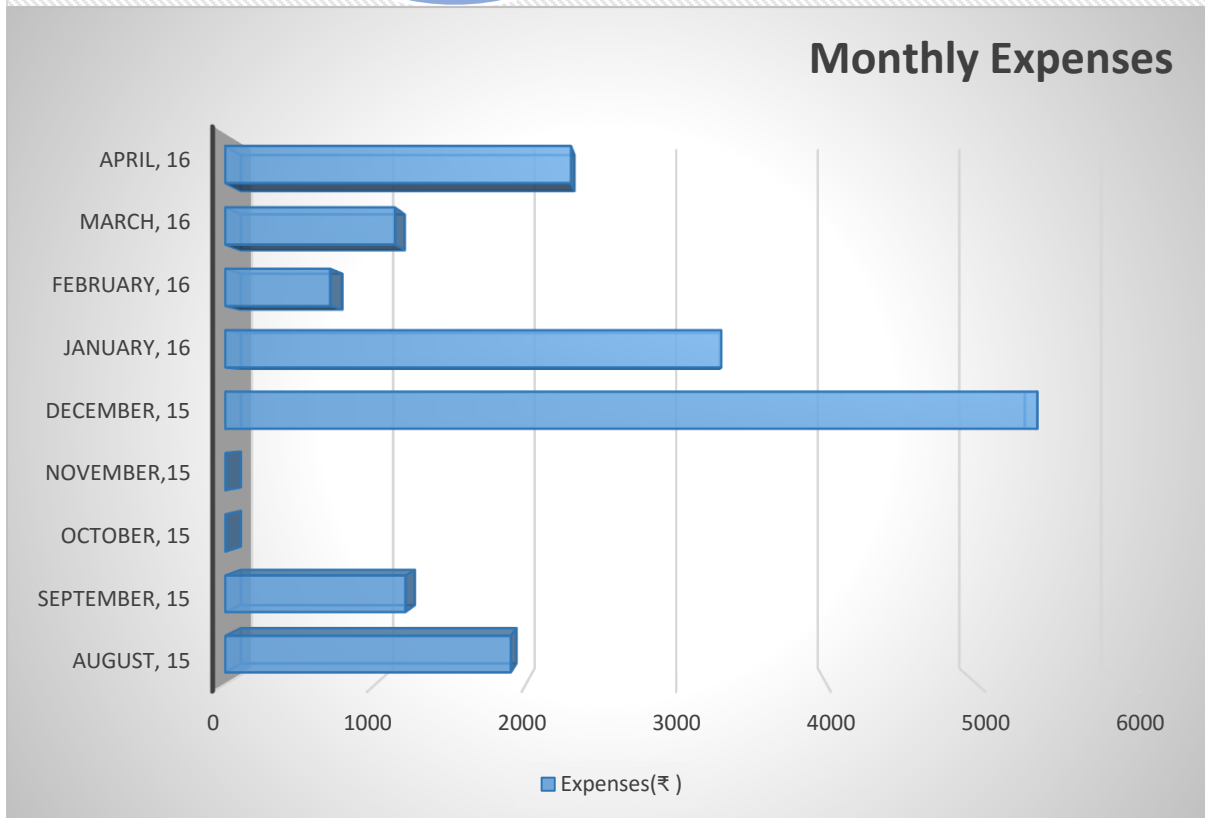
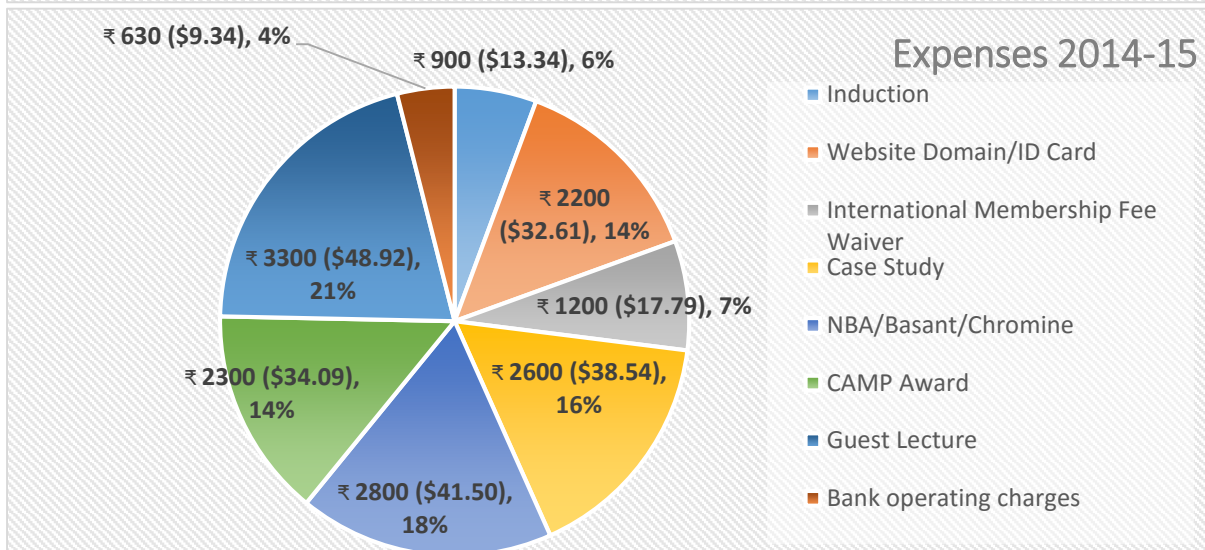
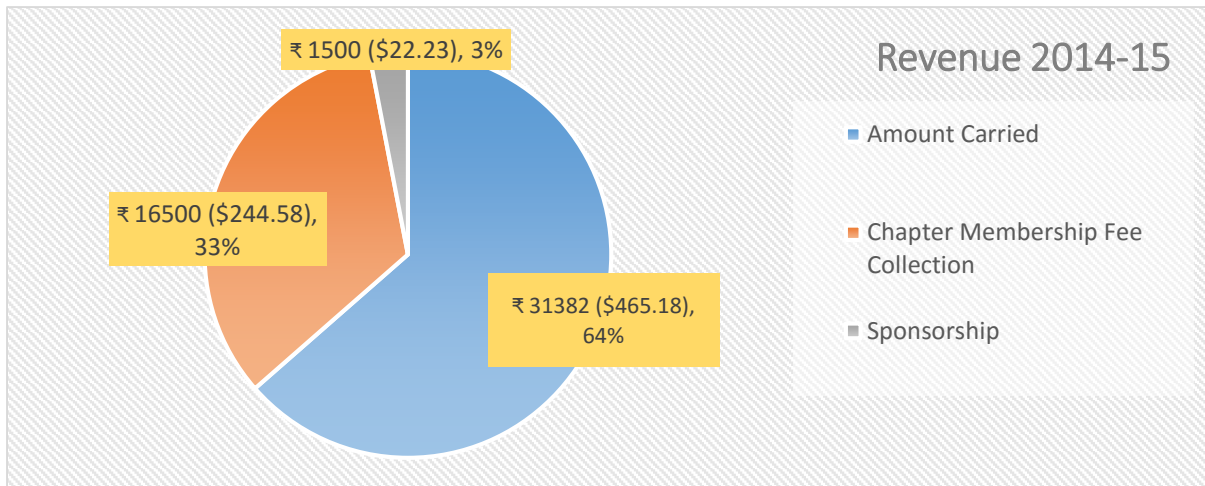
In order to appreciate and encourage the work and efforts of the student members, SME ISM Executive Board nominates students for Competitively Assessed Membership Program (CAMP) each year. Under the scheme the SME dues for the nominee are paid for the respective year. This year, the SME ISM CAMP- 2016 was awarded to Mr. Saurabh Chaturvedi, Pre-final Year Student, Mining Engineering. Also the chapter paid a certain amount of international membership fee of the students that came out to be ₹1,200 (\$17.79).

The total revenue for the year came out to be ₹18,000 (\$266.82) while the total expenditure for the year accounted to ₹15,930 (\$236.13). Overall, the chapter had a strong financial year and we successfully rolled over ₹31,452 (\$466.21) for next year. We are expecting a greater turn-over with the organization of Annual Mining Festival KHANAN'16. The SME ISM Student Chapter is stronger than ever and I hope that we continue to do so and generate even more funds in future for another successful year.

Sincerely,



Prasun Kumar



Student Chapter Activities

Induction cum Resume making Competition

4th August 2015

The SME ISM Student Chapter organized an Induction cum Resume Making Competition for the sophomores. The aim was to introduce the sophomores with the society, its working and benefits. The program started with motivational speeches from Prof. V.M.S.R. Murthy (Associate Dean of International Relation and Alumni Affairs), Prof. V.P. Sinha (Chair Professor, NMDC), Dr. Dheeraj Kumar (Associate Professor, Department of Mining Engineering), and Dr. B.S. Chaudhary (Assistant Professor, Department of Mining Engineering).



Image 1: Office bearers giving presentation

The winners of the CV making competition were:

- Shrill Bhardwaj (1st Prize)
- Arvind Sharma (2nd Prize)
- Hari Om Sharma (3rd prize)
- They received their awards from the dignitaries present. The eye catcher of the program was the recorded video message from the executives of SME: Mr. David Kanagy - SME Executive Director, Mr. Tim Regan - SME Director of Operations, and Mrs Mona



Image 2: Mr. Rajesh Raitani addressing students through a video message

Vandervoort - SME Education Coordinator. Following that was a video message from Mr. Rajesh Raitani, an ISM alumnus, Chair, Industrial Minerals & Aggregates Division, 2015-16.

The messages served as motivation for more than a hundred attendees to join the SME ISM Student Chapter and take the advantage of the opportunities. Further, a

presentation on the SME ISM Student Chapter was given by the office bearers of the Chapter. The working methodology and the benefits of joining the chapter were explained. A presentation on “How to make a good Resume” was given by Mr. Harsh Vardhan Golia and Mr. Prasun Kumar in which they explained the shortcomings of the entries submitted in the competition and how to rectify them in the future. The fun session of the event was an informal interactive session by Mr. Saurabh Kabra in which he answered some "Frequently Asked Questions" related to Mining Engineering. The program ended with a vote of thanks from Mr. Pritam Sinha, President, SME ISM Student Chapter.

Advanced Microsoft Office Workshop

17th August and 18th August 2015

A workshop on Microsoft office was conducted by Saurabh Chaturvedi, Piyush Pratik, and Amritansh Agarwal, members of SME ISM student chapter. The workshop was focused on advanced utilities of MS Word, MS Power Point, and MS Excel. In MS Word, MLA and APA formats of preparing reports and research papers were discussed. In MS



Image 3: Students attending the workshop

Excel, the participants were taught essentials related to industrial applications including pie charts, macros, graphs, etc. The topics covered under MS Power Point included basic utility, points to be kept in mind while preparing a presentation, and differences between a case study and paper presentation.

The event saw a healthy participation with more than 60 sophomore students attending the workshop from different disciplines along with Mining engineering.

AutoCAD Workshop

24th August and 25th August 2015

AutoCAD is an essential software for an engineering student no matter what the field is. Having a first-hand knowledge of the software that is used in the mining industry is of prime importance. A workshop on AutoCAD was conducted by Mr. Shubham Choudhary, vice-president of SME ISM student chapter. The workshop was held in two sessions extending over two days. To save time, the students were asked to install the software in their laptops beforehand. The first session

mainly aimed at providing a brief knowledge of the tools of the software. Every student was taken care of with regard to any query, doubt, or difficulty.



Image 4: Students participating in the workshop

In the second session the workshop was continued with more intricate topics being touched upon. The event concluded with a small exercise on the part of the participants. The workshop was proposed as a part of an event the chapter is planning to organize in this year's version of Concetto, the techno-management fest of ISM.

Mining and Mineral Quiz

6th November, 2015

The SME ISM Student Chapter organized a Quiz event exclusively for the sophomore chapter members which was based on introductory knowledge of mining engineering practices and mineral identification. The event was envisaged to develop an interest regarding various minerals and their mining among the students who are new to the field.



Image 5: Organizers and Winners of Quiz

In preliminary level, around 30 students participated in 15 teams. This was the qualifying round which comprised of 25 objective questions related to mineral identification, drilling & blasting, surveying, geology and mining methods. Marking Scheme was +2 for each correct answer and zero for rest cases.

In second level, five best teams were shortlisted on the basis of their marks in first level. It was a buzzer round comprising of 6 categories: Drilling, Blasting, Surveying, Mining Methods, Geology, and Mining Equipment. Each team was allowed to choose any of the field according to their rank in first round. Marking Scheme was +10 for correct and -5 for wrong answers.

The winners of the event were:

- Ch. Rahul Patro and Ashutosh Kanoria (1st Prize)
- Ashutosh Kumar, Nikhil Gangwar and Rohit Kumar (2nd Prize)
- Shikhar Singh and Prashant Kashyap (3rd Prize)

The prize and the certificate of merit were distributed by Prof. A.K. Mishra (Faculty Advisor, SME ISM Student Chapter) to the winners. The program was concluded by conveying vote of thanks to organizers and motivating words by Prof. A.K. Mishra. It was a worth learning experience for the chapter members.

SME Case Study

8th December, 2015

With an aim of acquainting the students with the knowledge of importance of carbon emission control, the SME ISM Student Chapter organized a case study event on 8th December 2015. The event was a 2- round competition, open to all students of Earth Science branches. The first round was an abstract selection round in which all the participating teams were supposed to send their abstracts online. After the first round, the number of teams narrowed down to five and gave



Image 6: Winners along with organizers and judges of Case Study

power point presentations in the 2nd round. The 2nd round was a presentation - cum - questionnaire round where the teams presented their solutions to the problem statement. A total of 10 minutes were allotted for the presentation followed by 3 minutes of Q & A sessions. The event was marked with the presence of Prof. V.K. Singh, Sandvik chair professor, Dr. A.K.

Verma, Assistant Professor & Shri P. Sahu, Assistant Professor; Department of Mining Engineering, Indian School of Mines, Dhanbad. The final results were declared on the basis of marks allotted by the judges based on the presentation style, content and response to the questions imposed by the audience. The winners were:

- Mr. Rahul Patro, Mr. Ashutosh Kanoria and Mr. Vikrant Verma (1st Prize)
- Mr. Prashant Kashyap, Mr. Shikhar Singh and Mr. Rishabh Gurjar (2nd Prize)
- Mr. Om Dwivedi & Mr. Deepak Bhadouria (3rd Prize)

The event concluded with an interaction session with Prof. V.K. Singh, who presented his own views on the need to control the carbon emission from power plants and the necessary steps which must be taken by the industries.

Intern-Placement talk cum Group Discussion

14th January, 2015

The SME ISM student chapter started the year with its first event Intern-Placement talk cum Group Discussion on 14th January 2016. The event was conducted to inspire and guide the freshmen and sophomore students of mining engineering as well as other earth sciences departments to attain internships in renowned companies and to make them aware of the placement



Image 7: Final year students sharing their experiences

scenario and other placement related FAQs. The objective of the event was to inculcate the perfect approach amongst budding engineers to succeed in their career. The event witnessed a number of successful final year students who imparted knowledge and their experience during their selection procedure for internship and placement in companies like Tata Steel, PwC, Schlumberger, HINDALCO, CIL, Balco, Khosla Labs, Mu Sigma and many more. The University interns such as Interns of UQ, Australia were also called. The event was organised by Ashutosh Kanoria, Prashant Kashyap, Aditya Kumar Panda and Rishabh Gurjar, members of SME ISM chapter and also SME International members. The following speakers were invited and played an important role in successful conduction of Intern Talk:

- Mr. Prabal Agarwal (The University of Newcastle, Australia)
- Mr. Arpit Johari (Intern & PPO, Schlumberger)
- Mr. Manishankar Panda (Intern & PPO, Tega Industries)
- Mr. Vaibhav Singh (Placement, Mu Sigma)
- Mr. Sourav Gupta (Placement, Tega Industries)
- Mr. Shiv Agarwal (Placement, VECV)
- Mr. Pritam Kumar Sinha (Intern, PwC)
- Mr. Suraj Gupta (Placement, Balco)
- Mr. Ritesh Singh (Intern & PPO, Tata Steel)
- Mr. Vikas Raj (Placement, CIL)
- Mr. Arpit Jain (Placement, Hindalco Industries)
- Mr. Sandeep Muktha (Placement, Mu Sigma)
- Mr. Yash Shah (Intern & PPO, Tata Steel)
- Mr. Aayush Anand (Placement, Khosla Labs)

The Intern talk was attended by more than hundred students from mining engineering as well as other earth sciences branches. They were made aware with the dos and don'ts while applying for internships. The speakers stressed upon being technically sound in one's field of study. The importance of CV, being confident during group discussions and interviews were



Image 8: Students participating in Group Discussion

discussed. Special tips and guidelines to improve communication skills and being presentable were also imparted. They also stated that OGPA and fluency in English plays a vital role in selection.

The speakers emphasized upon highlighting one's strengths and managing one's weaknesses during interviews. The students were made aware of the frequently asked questions and were asked to research about the company and position they apply for. The talk was followed by a short Group Discussion involving primarily the freshmen. The GDs were judged by Mr. Shiv Agarwal and Mr. Suraj Gupta, former SME office bearers.

The event was concluded by Saurabh Chaturvedi, Piyush Pratik and Rajeev Ranjan talking about the upcoming events of the chapter. The event was a step taken to edge out the ISM chapter members and make them ready for the competition ahead.

Capsule Course on Drilling and Blasting

17th February 2016.

A capsule course on drilling and blasting was coordinated by the SME ISM student chapter with an aim of providing the students with a quick overview of drilling and blasting operations in mines. The basics of blast design, effect of various parameters on blast design and other technicalities



involved in drilling method *Image 9: Organizers along with a few attendees of the event*

selection and blast design were discussed. Various research projects currently underway globally as well in ISM were also discussed during the course. The attending students were given an insight into various D&B project that are assigned by industries at the time of training and internships.

GEMCOM Surpac Workshop

2nd – 4th March 2016.

With the motive of improving technical expertise of potential mining engineers and developing their knowledge of important software related to the industry, a workshop on SURPAC was conducted under the banner of SME ISM Student Chapter by Mr. Piyush Pratik. The whole workshop was divided into four sessions starting from 2nd March 2015 and concluding on 4th March 2015, and following topics were covered:

- Session 1-Survey Module
- Session 2-BlockModel Preparation
- Session 3-Pit Designing & Practice Round

This event witnessed technical enthusiasts beyond the department of mining engineering. The sophomores attended the workshop along with the office bearers of SME ISM Chapter during

three days. It was a great success as every attendee left with the basic understanding of SURPAC by the end of the last session.

CHROMINE'16

16th –17th March 2016

Chromine - The annual event under the banner of SME ISM Student Chapter was organized from 16th - 17th March. The event received collaborative supports from Scope IAS and Eatsome. A general quiz was organized on the first day of the event containing several questions from current affairs and



Image 10: Winners of Quiz competition

other dynamic topics, followed by a Group Discussion the next day. The two day event witnessed a huge participation from the students from various departments.



Image 11: Organizers and winners of GD competition

The quiz competition had three rounds: the Eliminator, the Qualifier and the Finals. Among 25 teams participating only 10 teams were shortlisted for the eliminator, which further narrowed down to 5 teams in the finals out of which top 3 teams were selected and awarded by the Director of Scope IAS accordingly. The winning teams were:

- Gautam Verma and Rajeev Ranjan (1st Prize)
- Himanshu Baghel and Hitesh Bansal (2nd Prize)
- Prasun Kumar and Rohit Kumar (3rd Prize)

GD was conducted in 3 rounds – first group was formed by the freshmen and second group by sophomore and senior students. The final round consisted of the shortlisted students from each of the two rounds and a very tough competition took place in the final round.



Image 12: Students participating in group discussion

The winners of the event were:

- Aditya Kumar Panda (1st Prize)
- Saurabh Kabra (2nd Prize)
- Harsh Singh (3rd Prize)

The event concluded with distribution of prizes & certificates and briefing of performance of participants in GD by the judges regarding their strength, weakness and areas that need to be improved.

Farewell to the Final Year Members

18th April 2016

In order to show gratitude towards the effort laid by the former office bearers of SME ISM Student Chapter, third year office bearers organized a farewell party.



Image 13: Current office bearers bidding farewell to former office bearers

It started with a welcome speech by current Secretary Mr. Saurabh Chaturvedi, followed by words from the office bearers. As a part of passing the experiences and suggestions down the lane, all the seniors present

briefed their experiences as a member of the Student Chapter and what the current office bearers should do to take the chapter to new heights.

Then they were then presented with mementos in form of gifts endorsed by signatures of everybody present along with a dinner party. The farewell ended with a bidding speech by the current President Mr. Pritam Sinha in which he gave a vote of thanks to everyone present there.

Minerals Education Coalition

SME-ISM Gem & Mineral Exhibition

29th July 2015

SME ISM Student Chapter conducted a Gem & Mineral Exhibition at Indian School of Learning, Dhanbad with an aim of informing and educating high school students about the importance of mining & minerals in their everyday lives.

The presentation began with an interactive session by Mr. Harsh Vardhan Golia (Technical Head, SME-ISM Student Chapter)

followed by a presentation on Importance of Mining and Minerals. The presentation started with a few general questions related to the topic followed by basic explanations about exploration, license - governmental and social & major mineral deposits in India. Important minerals and their usage were also discussed.

The event concluded with a Quiz Round in which the students were asked questions related to the topic and the top three students were rewarded. Mr. Pritam Sinha, president of the chapter, concluded the session with a vote of thanks.

Basant Stall

7th February 2015.

Basant is the annual alumni reunion festival of ISM Dhanbad which was celebrated on 7th February this year. It was marked with the presence of 1966 batch alumni along with various other batches. It has been a rich tradition maintained by ISM. The SME ISM student Chapter took an active part in continuing the legacy of senior junior relationship and displayed the “Royal Mining” stall under the banner of SME-ISM Student Chapter which was the center of all attraction.



Image 14: SME ISM office bearers along with head of host school



Image 15: SME ISM members along with Dr. Dheeraj

All the office bearers and team members of chapter actively participated in the display and explained the work progress, aim and achievements of the chapter to the alumni visiting the stall. The stall also had an on-the-spot registration facility for the alumni for better connectivity among the mining family. The stall also complied with the MEC's aim of spreading awareness among people regarding benefits and scope of mining education. It provided enough information that would help to create an enlightened and supportive public that appreciates the importance of mining in their lives and their lifestyles.

Mining Convergence

7th February 2015.

Learning from the experiences of professionals currently working in any field of study is invaluable and this fact becomes self-explanatory when it comes to mining engineering. Distinguished alumni marking their presence in the energy sector across the world is the true identity of Department of Mining Engineering,



Image 16: 1966 batch Alumni sharing their experience

ISM Dhanbad. Considering the above fact, SME ISM Chapter organized a student interaction cum experience sharing session “Mining Convergence” which provided a unique opportunity for student members to interact with ISM Alumni of 1966 Batch who were on a visit to their Alma Mater as a part of Basant organized by ISM Administration on 7th February 2016. The session was marked with the honourable presence of Prof. V.K Singh (Sandvik Chair).



Image 17: Prof. V. K. Singh moderating the session

Students asked several questions regarding combination of real-life problems with classroom experience, how to get meaningful internships and to develop a strong peer network. Students also asked them about their college life and their motivation towards being mining engineers. The alumni responded earnestly and talked about several steps as how to give a head start to one's career in

the highly competitive industry. They also shared unique experiences from their professional journey.

Industry Institute Interaction Session

7th February 2015

The unique initiative that was taken this session was Industry Institute Interaction in which prominent personalities of Mining and Mineral industry gathered together and motivated the students and talked about the opportunities and challenges in the industry. The event was organized during the Alumni reunion festival BASANT and was marked with



Image 18: Industry representatives during III event

huge involvement of students, faculties and industry representatives. The Director of Indian School of Mines, Prof. D.C. Panigrahi who happens to be a professor of Department of Mining Engineering was the moderator of the event.

Several other topics including emphasis on increasing number of international students and student/faculty exchange programmes, improvement in placements, signing of Memoranda of Understanding (MoU) and collaboration of India and Australia on energy security were also discussed. At the end of the event student interaction session took place in which students posed several questions regarding current status of industry as well as prospects in future. The representatives discussed in details the recession that the mineral and mining industry has been going through but also emphasized on bright future of industry ahead.

Guest Lectures & Sessions

Guest Lecture by Shri Om Prakash

17th August 2015

A guest lecture was organized under the inaugural session of Three Weeks Executive Development Program on “*Underground Coal Mining Technology and Safety*”. The program was coordinated by Prof. R.M. Bhattacharjee (Professor, Department of Mining Engineering) and Prof. A.K. Mishra (Faculty Advisor, SME ISM Chapter).

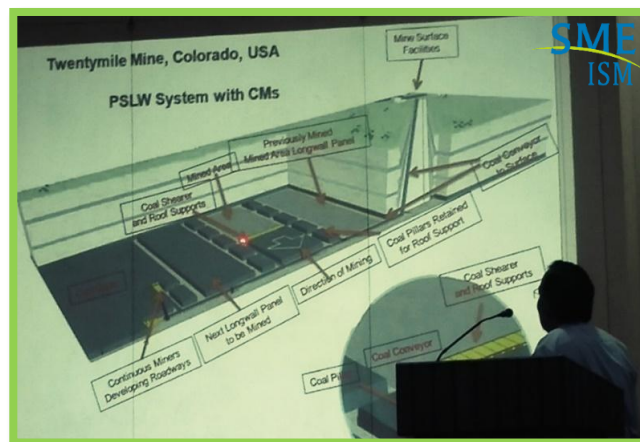


Image 19: Shree Om Prakash delivering the guest lecture

The event was initiated by inviting the respective dignitaries on the dais, followed by the Lighting of Lamp ceremony. The dignitaries were welcomed by the melodious invocation song of ISM, accompanied by the welcome address by Dr. Chiranjeev Kumar (Faculty In-charge of continuing education).

The guest lecture was addressed by Shree Om Prakash, Chief Managing Director, South Eastern Coalfields Limited. It comprised of the discussion on pressing the need to boost the coal production in India and success criteria for achieving the 1 billion tons production target by 2020. Trends of underground and opencast coal production were also discussed along with the drawbacks of opencast mining. The guest lecture was mainly focused on underground coal mining particularly the Continuous Miner Technology and its advantages. The student members of the chapter were enormously benefited by this event.

The event also witnessed the motivational speeches of Prof. Phalguni Sen (HOD, Department of Mining Engineering) and Prof. D.C. Panigrahi (Director, ISM Dhanbad). Finally, the event was concluded by the vote of thanks by the course coordinator, Prof. A.K. Mishra (Faculty advisor, SME ISM Chapter), followed by the felicitation ceremony and the national anthem.

Guest Lecture by A. K .Debnath

18th September 2015

A Guest lecture on “Eco-Friendly Mining” by Mr. A. K .Debnath, Chairman cum Managing Director of Central Mine Planning and Design Institute (CMPDI), was conducted in the presence of Prof. D.C. Panigrahi (Director, ISM Dhanbad), Prof. Phalguni Sen (HOD, Department of Mining Engineering ISM, Dhanbad), Prof. R.M. Bhattacharya (chair professor MOL&E), Prof.

V.P. Sinha (NMDC chair), Prof. VMSR Murthy (Associate Dean of International Relation & Alumni Affairs) and other dignitaries of CPMDI and esteemed professors of Mining department.

The event took its start with the invocation song of ISM, followed by the lamp lighting ceremony by our guest of honour. The Director, Prof. D.C. Panigrahi addressed the audience and introduced our college to all the dignitaries and the guest of honour Mr. A.K. Debnath, followed by the address by HOD, Department of Mining Engineering Prof. Phalguni Sen on the need of eco-friendly mining in this high hour of environmental degradation. Dr. D.P. Mishra introduced the chief guest to the audience.

Mr. Debnath discussed that the new mining technologies and regulations have significantly improved the efficiency of mining and reduced environmental impact in recent years. Measures have also been taken to improve the various aspects of environment degradation by implementing strict conditions but the main barrier for implementing green mining technologies is the need for industry to overcome risks associated with unknown practices and technologies and its high investment.

All the audience were really benefited by the invaluable and innovative knowledge regarding the eco-friendly mining. This event of crucial significance ended up with the National Anthem.

Guest Lecture by Dr. P.K Singh

27th January, 2015

SME ISM Student chapter organized a guest lecture by Dr. P.K Singh, Director, Central Institute of Mining and Fuel Research (C.I.M.F.R), Dhanbad, on the topic “Opportunities and Challenges in research and development in mining sector”.

Starting with the welcome ceremony, Prof. A. K. Mishra (Faculty in-charge, SME ISM Student Chapter) addressed the gathering and informed about the working and benefits of

SME ISM Student chapter. Following which Prof. Phalguni Sen, HOD, Mining Engineering Department welcomed the guest and appreciated the work of SME ISM Student Chapter for conducting such events. The introduction of guest, his qualification, achievements and contribution was then conveyed by Prof. V. K. Singh (Sandvik Chair) to the audience present.



Image 20: Dr. P. K. Singh delivering the lecture

The event proceeded further with release of next edition of SME ISM Semi-annually Newsletter (SME CONNEXION) for the session 2015-16 by the guest speaker Dr. P.K Singh in the esteemed presence of dignitaries from ISM Dhanbad. The guest speaker then took over the dais and delivered his lecture and informed the students about the new developments and opportunities in the mining industry.



Image 21: Dignitaries releasing the SME newsletter

He also discussed about the various mining methods used across the globe and the challenges our country is facing in the advancements. He concluded by informing the audience about some of the R&D works of C.I.M.F.R and its contribution in mining sector. Dr. P.K Singh along with Prof. Phalguni Sen and Prof. V.K Singh then presented the certificates to the SME Scholarship Recipients.

The Event was concluded by Dr. V.V Govind (Faculty in-charge, MES ISM Dhanbad) thanking the guest speaker for giving his valuable time and sharing his knowledge with the students. The event was a synergistic and interactive one and was marked by the presence of eminent faculty from the Dept. of Mining Engineering.

Webinar by Dr. Abani R. Samal

2nd April, 2016.

SME ISM Student Chapter in association with AAPG ISM Dhanbad successfully conducted a webinar with Dr. Abani R. Samal, Principal- Geo-global, LLC, PHD CPG, RM-SME, fellow SEG and simultaneously the adjunct professor of department of Mining Engineering at University of Utah, Salt Lake city, U.S.A. on 2nd April 2016.



Image 22: Dr. Abani R. Samal addressing the audience

The event initiated with the very basic conceptual definition of mineral, then differentiating between a reserve and a resource and then moved the expertise of Diamond Drilling and ore handling and also the recent developments in GIS and their

applications in estimation of the mineral reserves more precisely using diverse simulation software.

This was followed by a session of question answers; this event anticipated a number of good queries and intellectual clarifications by Dr. Samal. Dr. Samal also made the audience aware about the widespread reach of SME student chapters worldwide and the contribution of ISM chapter in it. SME ISM chapter was even praised by him for putting up articles and updates in the SME magazine regularly.



Image 23: Students attending the webinar

More than 70 students from department of Mining Engineering and department of Applied Geology and Mineral Engineering attended the Webinar. Mr. Pritam Kumar Sinha, President, Mr. Saurabh Chaturvedi, Secretary, Mr. Piyush Pratik, Additional secretary; SME ISM student chapter along with Mr. Varun Asthana, Secretary, AAPG ISM Chapter coordinated the Webinar.

The vote of thanks from Prof. M.K. Mukherjee, Professor, Department of Applied Geology concluded the event.

Chapter Achievements

SGAT: Mineral Development Awareness and Quiz Program

28th August to 30th August 2015

The Society of Geoscientists & Allied Technologists invited pre-final year students, Prasun Kumar and Piyush Pratik, to attend the three Days Mineral Development Awareness and Quiz Program sponsored by Tata Steel. The program witnessed participation of students from all the colleges providing courses in Mining, Metallurgy and Geology departments in India.



Image 24: Piyush Pratik and Prasun Kumar (R) participating in the quiz

The event featured a quiz program followed by a mine tour. The prior comprised of two rounds spread over 2 days. The 1st round required mineral identification by the participants, followed by an audio-visual round in which the students were required to identify different photographs under the domain of their specific subjects. The 2nd round was again divided into a subject specific quiz and a general knowledge quiz. The mine tour included a trip to the nearby Noamundi Mines and the Siljora- Kalamati Manganese ore mines.

Winners at GREAT STEP

9th October, 2015

Organized in the month of October, Geo Resource Engineering and Technology Students Teachers and Employers Partnership (GREAT-STEP), an annual fest organized by the Mining Engineering department of IIT Kharagpur, witnessed a healthy participation from a number of prominent colleges such as ISM Dhanbad, NIT Rourkela, and NIT Raipur etc.

The main events that took place included Mine Indite (a paper presentation event), Quizspiel, Petro



Image 25: Student members along with the overall winners' trophy

case study, Mineo case study, Mine Data Analysis, Mineac (a mining quiz event), Geobotics, Industrial design problem, Tee Design, Mine Shot, Panel Discussion and Guest Lectures. The three-day fiesta with a plethora of events witnessed a mind boggling performance by the students of department of mining engineering of ISM Dhanbad, who proved their mettle across various events and won a number of prizes. The prominence of the students of ISM Dhanbad was also acknowledged by the coordinating members of the fest.

The winning teams who brought laurels to the department are:

- Varun Pratap Singh and Aadity Kumar Sharma (1st Prize Enviro Case study)
- Sidhant Panda, Shubham Gupta and Abhijeet Kesarwani (2nd Prize Enviro Case study).
- Prashant Kashyap, Shikhar Singh and Rishabh P S Gurjar (2nd Prize MineIndite)
- Kunal Bohra and Aditya Suman (3rd Prize Mineo Case Study)

Such collaborated efforts of the afore-mentioned participants made it possible for ISM Dhanbad to add a feather more to its cap by achieving the Overall Winner Trophy of the fest, and making it a worth learning experience for the students.

National Geosciences Award for Excellence

The department of Mining Engineering at Indian School of Mines, Dhanbad has always proved its worth in its domain and the achievements are the sources of inspiration for the young minds to excel. The **NATIONAL GEO- SCIENCE AWARDS** jointly presented by Government of India and Ministry of Mines was awarded to Prof. A.K. Mishra, Faculty Advisor, SME ISM Student Chapter for the year 2014.



Image 26: Prof. A. K. Mishra receiving the award from the President of India

It is an individual award in the field of mining technology, application of new methods, research & development, conservation of mineral resources, systematic mine planning, mine safety etc. It added another brick in the wall to the achievements of society and provided a great source of motivation for the members and society as a whole. The society congratulates Prof. Mishra for his dignified work and thanks him for inspiring us to explore the field.

Concetto'15

29th October, 2015- 31st October, 2015

The members of SME- ISM Student Chapter organized an Industrial Design Problem event in Concetto'15, the annual Techno Management fest of ISM Dhanbad. This event was coordinated by Mr. Amritansh Agarwal and Mr. Shubham Gupta and actively organized by SME ISM Student chapter members Rishabh Gurjar and Vishal Jain. Maximum participation was witnessed by this event as compared to other events of the fest. Aptitude test was taken as a primary level of access to the next rounds of the event. This level was designed to assess the IQ and logical approach of the participants. Eight out of 25 participating teams successfully cleared this level.



Image 27: Students participating in IDP event

The second level was set to check the ability to approach a real life industrial problem which demanded creative solutions. Among the eight competent teams three most inquisitive teams were complimented with prizes and certificates.

Excellence of ISM students

2nd December, 2015.

The members of SME ISM Student Chapter have once again proved their mettle at the global level as Mr. Pritam Kr. Sinha, who is also the current president of the chapter, and his teammate Mr. Abhijeet Kumar had been selected for presenting a paper on “Prediction of Heave using Neural Networks” at 42nd Annual Conference on Explosives and Blasting Technique sponsored by the International Society of Explosives Engineers (ISEE). The conference was held from January 31st to February 3rd 2016 in Las Vegas, Nevada. Nearly 1,600 blasters, manufacturers, government officials and industry leaders joined the world’s largest conference on explosives engineering.



Recipients of SME Scholarships

New benchmarks are continuously being set by the students of Department of Mining Engineering at Indian School of Mines and SME ISM Student Chapter has always been the torch bearer for other chapters in India when it comes to delivering their best in competitions and awards. This

year it surpassed new limits with five of its student members being selected for the highly competitive SME Scholarships. The list of students along with the scholarships awarded are mentioned below:-

Name of Candidate	Scholarship's Name
Pritam Kumar Sinha	Coal & Energy Division Scholarship
Shubham Choudhary	John Sidney Marshall Scholarship
Aayush Agarwal	Coal & Energy Division Scholarship
Shiv Kumar Agarwal	John Sidney Marshall Scholarship
Vaibhav Singh	John Sidney Marshall Scholarship

SME ISM Student Chapter Membership

Fall Membership challenge & Membership Day

13th August 2015

SME ISM Student Chapter officially added sophomores to the local society on the Chapter Membership Day. The students were informed about the benefits of the society and as a result 67 local members joined successfully.

The students had to pay a membership fee of Rs. 300 on payment of which they received a member ID card.



Image 28: SME ISM Identity Card

The Membership Challenge of 2015 is a recruitment contest between student chapters occurring from 15th September to 31st October, 2015. This contest is intended to challenge student members to recruit new students to join the student chapter and become SME members. SME ISM Student Chapter did not miss the chance to make its presence felt on the global level. SME ISM celebrated the International Membership Day on 13th August 2015 for its students to become members of SME. A whopping number of new members, as many as 25, joined the society as a part of this challenge, showing the enthusiasm, cognizance and the will to succeed among the young minds.

Recruitment of Freshmen & Sophomore Students

13th September 2015

Under the able guidance and leadership of the chapter Faculty Advisor and the President, the new members inducted in the local student chapter were housed into logistics, technical & drafting teams on 13th September 2014.

More than 50 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 chapters' action and to distribute the work load during several upcoming events. Depending on the abilities of the new members based on their interview, they were assigned their work. The team distribution is shown in the appendix.

SME- ISM T-Shirt Release

The SME ISM Student Chapter launched its first ever t-shirt for the promotion of the student chapter. The t-shirts were designed and voted by the students of the department. The blue polo t-

shirts was ordered as per size and quantity required. The t-shirts are launched with an aim of bringing a sense of uniformity and unity among the chapter members.

The t-shirts shown below will be served at a price of Rs. 300/- per t-shirt to the students and Rs. 500/- per t-shirt to Alumni. The first set of order received huge response and paved the way for bulk order of t-shirts in future. It would not only help the promotion of the student chapter but would also help in revenue generation for the chapter.



Image 29: Newly released SME ISM T-Shirt

SME ISM Membership Survey

In order to determine the needs and aspirations of the chapter members and ensure that they are fulfilled accordingly, a membership survey was conducted by the SME-ISM Student Chapter. The survey form was made available on <https://sme-ismsurvey.typeform.com/to/nMYMCI> and all the members were asked to give their response and feedback at the earliest. The form contained a wide spectrum of questions ranging from their experience about the various events conducted by the chapter till now, their experience with the society and to give suggestions and ideas for the future events and the events they would prefer to participate more and more in.



Image 30: Membership Survey link

Field Trips

The Department of Mining Engineering, ISM Dhanbad understands the need of field trips and practical training for budding mining engineers & provides ample opportunities to its students by collaborating with the industries. The students of the department visited various coal as well as metal mines across the country including Uranium Corporation of India Ltd. (UCIL), TATA Steel, National Mineral Development Corporation (NMDC), Shree Cements, Coal India Limited (CIL) etc. as a part of summer training/ internship programme. This was a great opportunity for them to experience the mining conditions and learn the practical aspects of mining to make the coursework more applicable.

Tata Steel Iron Ore Mine visit

Two sophomore student members of SME ISM Student Chapter got an opportunity to explore the workings of an opencast mine at Noamundi Iron Ore mine of TATA Steel- Ore, Mines & Quarry (OMQ) division. With a leasehold area of about 1000 hectares, 10 MTPA production and Shovel-Dumper working combination, the mine provided just a perfect platform to learn about the upcoming academic curriculum beforehand practically.



Image 31: SME ISM member visiting TATA Steel Noamundi Iron Ore Mine

NMDC Iron Ore Mine Visit:



Image 32: A visit to NMDC Iron Ore Mine

10 student members visited the iron ore mines of National Mineral Development Corporation (NMDC). It was much of a practical experience as they practically surveyed each drill block with the help of GNSS & then the data was processed with AutoCAD to prepare a blast plan. The shovel and Dumper (60 Te, 100 Te dumpers) combination was used for mucking and transportation. Three crusher differentiated the ore into 3 categories- CLO, Lumps and Fines.

TATA Steel 'INSPIRE' Internship Programme

One of the student members and current Creative Head of SME ISM Student Chapter, Mr. Kunal Bohra got an opportunity to visit surface coal mines of Tata Steel West Bokaro Division under the INSPIRE Internship programme sponsored by Tata Steel. The mine is highly mechanized with advanced technology in use to facilitate an annual production of 5.75Mtpa. The excavators and dumpers are equipped with payload system and GPS which helps in continuous monitoring of their



Image 33: Kunal Bohra along with the highwall mining equipment

movement from a base station. The student member also had the privilege to carry out extensive research in order to optimize efficiency of newly introduced highwall mining equipment with an annual targeted production of 5 million tonne and efficient use of GPS in truck monitoring.

Student Chapter Agendas & Meetings

2nd August 2015

VENUE- Diamond Hostel Lounge

AGENDA- Welcoming the new Office Bearer team by ex- members, discussion regarding induction program to get a head start for the session. A remarkable decision to promote the Mineral Outreach Program- in association with Mineral Education Coalition (MEC) was taken.

13th August 2015

VENUE- Emerald Hostel Lounge

AGENDA- To plan the venue and topics for the MS Office workshop, to discuss the collection of chapter membership fee and distribution of SME ISM Student Chapter identity Card.

20th August 2015

VENUE- Student Activity Centre

AGENDA – Plan the AutoCAD workshop, preparation of monthly report for the month & scheduling the next month. Collection of membership fee for Society for Mining, Metallurgy & Exploration (SME) international membership.

13th September 2015

VENUE- Emerald Hostel Common Hall

AGENDA– Introducing the sophomores with the working of the society and distributing them among drafting, logistics and technical teams; they were also allotted their maiden task of successful organization of guest lecture by Shri A.K. Debnath (CMD, Central Mine Planning & Design Institute).

5th October 2015

VENUE- Student Activity Centre

AGENDA- Meeting of sophomores with the Coordinators of various technical events during CONCEPTO- 2015 to discuss the events and distributing its organizational work among the sophomores

27th October 2015**VENUE- Diamond Hostel Lounge**

AGENDA - Discussion with the Faculty Advisor, Prof. A.K. Mishra regarding organization of a quiz competition for the sophomores. Mr. Saurabh Chaturvedi (Secretary, SME ISM Student Chapter) & Mr. Kunal Bohra (Head - Designing, SME ISM Student Chapter) discussed the questions to be prepared. The logistics work for the event was distributed among the team.

16th November 2015**VENUE- Emerald Hostel Common Hall**

AGENDA- The team discussed about conducting a Case Study event in association with Coalpost (a leading website for information regarding coal, mining & energy); distribution of work to contact and get the problem statement from Coalpost.

11th January 2016**VENUE- Student Activity Centre**

AGENDA- Discussion regarding organization of Intern – placement talk & Group discussion; scheduling the Gemcom SURPAC workshop and deciding the topics to be covered.

22nd January 2016**VENUE- Diamond Hostel Lounge**

AGENDA - Inviting Dr. P.K. Singh (Director, CIMFR) for a guest lecture. Discussing the design of the Semi- Annual Magazine "CONNEXION" and the monthly report.

3rd February 2016**VENUE- Diamond Hostel Lounge**

AGENDA - Planning the "MINING CONVERGENCE" as a part of BASANT- 2016 (Annual Alumni Reunion) and setting up the ROYAL MINING stall during the reunion evening.

29th February 2016**VENUE- Emerald Hostel Common Hall**

AGENDA- Chapter members' reunion after the Mid Semesters, planning for the fun event- SME ISM team Cricket match.

10th March 2016

VENUE- Emerald Hostel Lounge

AGENDA - Deciding the core team for CHROMINE- 2016, fund raising for the event, the requirements and events to be held under the banner.

29th March 2016

VENUE- Diamond Hostel Lounge

AGENDA- Meeting of Office Bearers with Prof. A. Venkatesh (Faculty Advisor, AAPG) & Mr. Varun Asthana (Secretary, AAPG) to organize, in collaboration, a webinar by Dr. Abani R. Samal, Principal Advisor, Geostatistics, Rio Tinto.

10th April 2016

VENUE- Diamond Hostel Lounge

AGENDA - The meeting was organized to discuss the steps to be taken for successful planning of KHANAN- 2016 (Maiden Mining Summit of ISM Dhanbad) and a team selection for the same. The amount to be collected for farewell as well as planning for the same were also discussed.

Future Goals

Annual Mining Festival ‘KHANAN’

The major event that SME ISM Student Chapter is looking forward to is the three-day Annual Mining Festival KHANAN scheduled from 2nd September 2016 to 4th September 2016 at ISM Campus. The event has been envisaged to prove the leadership abilities of SME ISM S.C. to host a mega event that would facilitate the representation from Mining and Earth Science institutes throughout the country. It aims to bring the students from different institutions offering mining & allied courses in the country on



Image 34: Khanan logo

a common platform and would help them showcasing their skills. A series of events including panel discussion, guest lectures by eminent personalities in the industry, paper presentations, case studies etc. would be conducted during the three day festival.

Official Web-Page: <http://khanan.smeism.in/>

Official Facebook Page: <https://www.facebook.com/khananism>

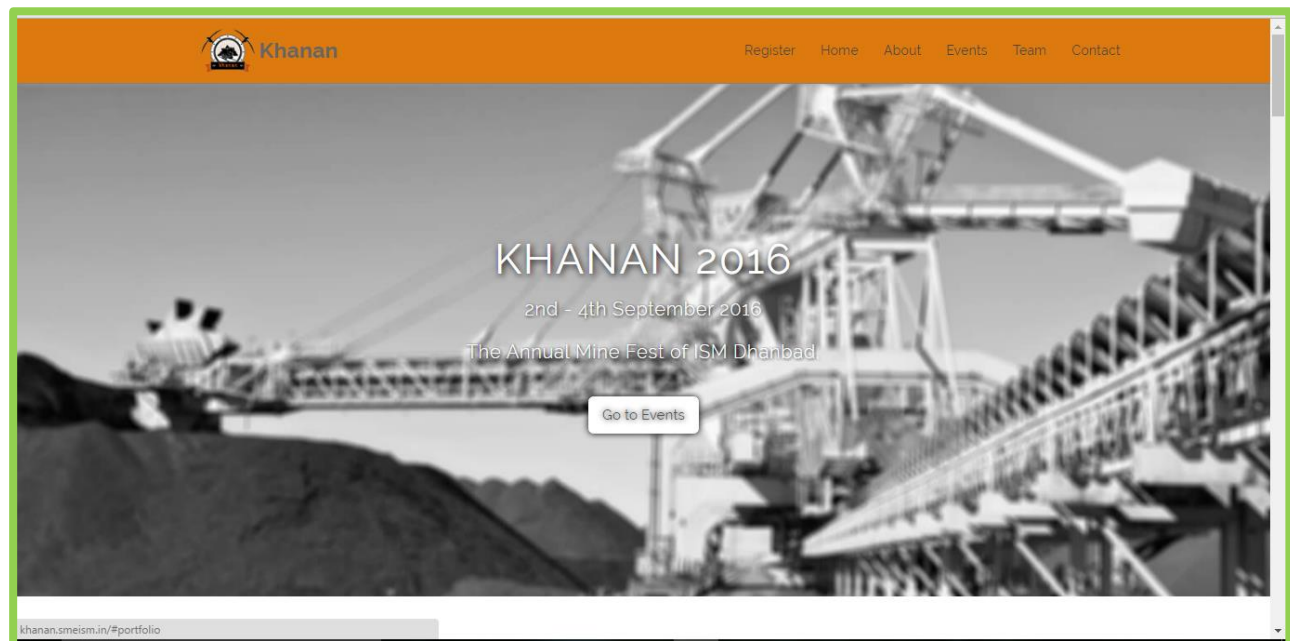


Image 35: Homepage of official KHANAN website

Annual GEM & Mineral Outreach Programme

This session's GEM & Mineral exhibition at Indian School of Learning was very much successful in kindling curiosity among the high school students and motivated them to pursue career in Mining and Mineral industry. So, in the next session, we are planning to organize the outreach programme for a wider audience and on a larger scale and it would be an annual event thereafter. The event would consist of a general presentation about minerals and explanation of their use to the participants followed by a quiz competition and visit to the Geological Museum present at Indian School of Mines campus. As per the number of participants is concerned, a total 10 schools nearby the ISM campus with 20 students from each school would be participating. We hope that successful execution of the event would help us to motivate and educate the people about the importance of Mineral and Mining industry.

Establishment of local section in India

SME ISM Student Chapter and its members have time and again proved their leadership abilities by accomplishing several landmarks. The SME ISM team has ensured a greater and regular participation of students both in the local chapter as well as in the international society. The chapter fulfils all the criteria required to lead from front and establish a local section in India with headquarters at ISM campus. In the coming session, there would be greater push for the same as it would benefit the chapter as well as other student chapters in the Asian continent.

Concluding Remarks

As President of the student chapter, I couldn't be more proud with the way our team has worked throughout the session to accomplish all the targets for the session. The effort put by each member has led to the growth of not only the chapter but also to the growth of individuals associated to it. The office bearers worked with coordination among themselves and did full justice to the roles assigned to them.


The sophomore students of the drafting team have put their sincere efforts under the leadership of Drafting head Ketan and the finishing touch to the report given by Saurabh & Piyush, the current Secretary and Additional Secretary respectively. The members of the student chapter have tried their best to promote the name of SME and MEC and it would be a great honour for us if we are considered for the Outstanding Student Chapter Award.

Reagrds,

Pritam Kumar Sinha


President, SME ISM Student Chapter

ISM hosts lecture by P.K. Singh
by Piyush Pratik, ISM Student Chapter Secretary



Guest lecturer P.K. Singh spoke on the opportunities and challenges in mining's research and development sector.

ISM Student Chapter holds case-study competition



Winners of the ISM case study competition with the judges.


SME
ISM

Mining Convergence session brings alumni to mentor students at ISM



Alumni from the class of 1966 participated in a Mining Convergence session at ISM and shared their experiences with the current students.

ISM students introduced to SME
by Piyush Pratik, Secretary, ISM Student Chapter



Appendix-A

A-1: List of New International Members

Serial No:	Student's Name	Membership ID
1.	Vishal Kumar	4206673
2.	Arvind Sharma	4206679
3.	Harshit Chandaliya	4206397
4.	Prashant Kumar	4206800
5.	Himanshu Baghel	4206846
6.	Deepanshu Modi	4206684
7.	Shikhar Singh	4206654
8.	Akash Jain	4206847
9.	Vikrant Verma	4206844
10.	Rohit Kumar	4206859
11.	Rishab Pratap Singh Gurjar	4206480
12.	Ashutosh Kanoria	4206852
13.	Aditya Yadav	4206854
14.	Siddharth Rai	4206860
15.	Prashant Kashyap	4206862
16.	Hariom Sharma	4206790
17.	Diwakar Kumar Gupta	4206816
18.	Vishwanath Kumar Sahu	4206786
19.	Pankaj Kumar Das	4206900
20.	Akash Kumar	4206984
21.	Sourav Gupta	4194897
22.	Sandeep Muktha	4206853
23.	Anvss. Subba Rao	4200234
24.	Amritansh Agarwal	4206668
25.	Abhijeet Kumar	4205578

A-2: Team distribution of Sophomore Year Members

Team Name	Name of members	Contact
Logistics	Rishabh Gurjar	8092603226
	Ashutosh Kanoria	9471715903
	Pankaj Kumar Das	8298975043
	Aditya Yadav	9572385292
	Saurav Kumar	8797717162
	Sandeep Kumar	9835133843
	Harshit Chandaliya	9572383984
	Akash Maji	9547420889
	Mohan Shri Om	7033996874
	Akash Fogla	9504400496
	Deepak Kumar	7544882069
	Ajay Kumar	7070653436
	Divakar Kumar Gupta	7870154691
	Himanshu Baghel	8092606525
	Vikas Kumar	7050920039
	Prashant Kashyap	7033694964
	Abhishek Kumar	9709187746
	Dinesh Kumar Saini	8877585079
	Vishal Kumar	7209331377
	Tanay Kumar	8507183928
	Sujith Chandra	8877585175
Sumit	8083492095	
Prashant Singh	8298971350	
Divyank Gautam	8083158688	
Technical	Gyanendra Raj	9709745317
	Shril Kumar	9852602127
	Rahul Patro	8763457779
	Hitesh Bansal	7759016227
	Dinesh Baid	7545828504
	Ishant Srivastava	8084386115
Drafting	Vikrant Verma	9155361183
	Rohit Kumar	8052412363
	Rishabh Tiwari	8877589771
	Aditya Kumar Panda	8052614033
	Arvind Sharma	9572384311
	Hitesh Bansal	7759016227
	Shikhar Singh	8873100665
	Thadakamalla Shiva	9572384401
	Deepanshu Modi	8298228848
	Alok Kumar	9572381976
Ashish Singh	9572385199	

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	Vishwanath Sahu	8579906553
	Hariom Sharma	8877589770
	Atul Kumar Verma	9661031979
	Nikhil	9572384277
	Saurav Kumar	8797717162

Appendix- B

B-1: Balance sheet for the session 2015-16 (in Rupees)

FINANCIAL YEAR 2015-16								
Date	Event	Purpose	From/To	Balance (before)	Amount	Withdraw	Receive	Balance (After)
17-07-15	Opening Balance		Shubham Chowdhary	29,382	-	-	-	₹29,382.00
07-08-15	Induction cum CV making Competition	Prizes	Siddhant Panda	29,382	400	400		28,982
22-08-15	Student Membership fee (Local)		Sikhar Singh	28,982	16500		16,500	45,482
26-08-15	Induction cum CV making Competition	Certificates	Pritam Sinha	45,482	150	1,500		43,982
		Chocolates	Prasun Kumar		150			
		Poster	Piyush Pratik		130			
		Travelling Cost	Piyush Pratik		70			
26-08-15	Website Renewal	-	H.V. Golia		600			
26-08-15	ID Card Printout	-	Kundan		400			
07-09-15	CL Sponsorship	Promotion	SME ISM	43,982	1500		1500	45,482
14-09-15	SME International Membership	Fee Waiver	New International Members	45,482	1200	1200		44,282
15-12-15	Case Study	Certificates And Refreshments	Saurabh Chaturvedi	44,282	400	5400		38,882
		Poster	Siddhant Panda		170			
		Logistics	Siddhant Panda		280			
		Gift	Kundan		1750			
15-12-15	Website Domain		H.V. Golia		1200			
15-12-15	NBA		Shubham Chowdhary		1600			
29/01/2016	CIMFR Director Guest Lecture		Pritam Sinha	38,882	3300	3300		35,582
03-02-16	Basant	Report and Logo Printout	Pritam Sinha	35,582	700	700		34,882
12-03-16	Account Handling Charge		SBI	34,882	630	630		34,252
17-03-16	Chromine	Event Logistics	Prashant Kashyap	34,252	500	500		33,752
16-04-16	CAMP Award	International Membership of Saurabh Chaturvedi	SME International	33,752	2300	2300		31,452
Amount rolled over to next session								₹31,452