

ISM DHANBAD ACM STUDENT CHAPTER

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Chapter Executives:

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About ISM (<http://www.ismdhanbad.ac.in>) :

Indian School of Mines, Dhanbad is a premier educational institute and a centre for world class research of India. It is located in the mineral-rich region of India, in the city of Dhanbad.

Indian School of Mines has 18 academic departments covering Engineering, Applied Sciences, Humanities and Social Sciences and Management programs. The school has produced many pioneers of the mining and oil industry, including Padma Bhushan awardees.

About ISM – ACM Student Chapter (<http://ism.acm.org>) :

“Start by doing what is necessary, then do what is possible, and suddenly you are doing the impossible”

ISM – ACM Student Chapter has been working relentlessly since the past four years and will continue to do so in the future in the minute hope of achieving the impossible. Impossible is ambiguous and you may ask what is our definition of it. Our impossible is in the belief in the spread and dissemination of the power of computer science and its wonderful applications to everyone. There are various schools of thought on this beautiful subject and we have our own – ‘Right To Code’ – and this drives us.

Being part of one of the premier technical institutes in our country, we at Indian School Of Mines, Dhanbad always strive to be the best at whatever we do; there is no point in doing it otherwise we believe. Setting the benchmark for a kaleidoscope of events ranging from highly competitive coding competitions to community service to holding seminars, we have continuously aimed to surpass all expectations.

There exists an unspoken understanding and bonding amongst the chapter executives which undeniably accelerates and catalysed the work we undertake and gets any work done with minimum hassles. We at ISM – ACM Student Chapter are committed to and strongly believe in the chapters’

goals and aspirations. It goes without saying that the chapters' aspirations have inadvertently become our aspirations.

With a massive team of 970 members, ISM – ACM Student Chapter comprises members not only from the esteemed department of Computer Science but also from various other departments ranging from Mining Engineering, Environmental Engineering, Electronics & Communication Engineering, Mineral Engineering, Mechanical Engineering, Mining Machinery Engineering, Chemical Engineering, Civil Engineering to the Mathematics & Computing department.

Software development and open source have been one of our standout initiatives and our recently concluded 'ACM Spring of Code' in which participants had to develop a social media platform is visible proof. We are proud to say that we have had some really innovative and creative submissions. Not leaving competitive coding behind, we conducted a college wide contest 'Ode – de – Code 4.0'. To acclimatize the freshman batch to the competitive programming concept, a demo contest was conducted two days prior to the event.

The chapter recently had to bid a tearful goodbye to its faculty sponsor, Dr. Sukomal Pal and was given a fitting farewell.

It is the journey that matters and makes much more sense and not the end result. Our chapter gives in the maximum effort it can to any event that we conduct and this we believe is what gets the continuous encouraging results that we strive so hard for.

We are not that proud or even ignorant enough to admit that we are even close to achieve the impossible but our humble efforts over the past few years are certainly we believe in that direction. Illustrating the activities conducted by ISM – ACM Student Chapter:

1) GOOGOL – Nationwide Coding Competition (<http://www.codechef.com/GOOG2015>)

The chapter, in association with **Codechef** organized a national coding competition in April 2015. It witnessed a massive participation of more than 500 from across the country.

Prizes worth 10,000 rupees were awarded to the winners.

2) Eminent Speaker's Program: (<http://ism.acm.org/event.php?eve=110>)

The chapter had invited Dr. Rajeev Gupta, senior researcher at IBM as Eminent Speaker to deliver a talk on **Big Data, Cloud Computing** and **Hadoop Map Reduce**.

3) Introduction to Google Summer of Code: (<http://ism.acm.org/event.php?eve=124>)

A talk on "Introduction to **Google Summer of Code** and **Open Source**" was organized on 15th March, 2016. It was open to all and witnessed a participation of more than 400 students. ACM Spring of Code was announced at the end of the talk.

4) ACM Spring of Code: (<http://ism.acm.org/event.php?eve=125>)

The chapter organized a software development competition, ACM Spring of Code in which participants had to build a mini social network. The event was held in view of the chapter's unending belief in **open source**. Teams comprised 1 – 5 members.

The competition was successful with more than 30 teams with 10 of them making innovative and creative submissions.

5) HackfestISM: (<http://ism.acm.org/event.php?eve=119>)

HackfestISM in association with ACM ISM Student Chapter organized a 36 hour long **hackathon** at Indian School Of Mines, Dhanbad from 4th - 6th March, 2016. A team of 4-5 members had to create a software project. At the end of the event the projects were demonstrated to fellow hackers, visitors and reviewed by a panel of judges. The event was the first of its kind in ISM Dhanbad.

A total of 50 teams participated in the hackathon.

6) Ode –de – Code 4.0: (<http://ism.acm.org/event.php?eve=115>)

The chapter organized the fourth iteration of its biannual competitive coding competition, Ode – de – Code for the students of ISM Dhanbad. The event comprised three divisions and was highly successful with a total participation of 180 students.

A demo contest was organized two days prior to the event for the freshman batch to acclimatize them to the competitive coding environment.

7) Powerpuff Coders 2.0: (<http://ism.acm.org/event.php?eve=116>)

The chapter believes in **women empowerment** and the much needed presence of women in the field of computer science. Keeping this in mind, a coding competition solely intended for girls was organized by the chapter in February, 2016.

It witnessed an encouraging participation of 60 girls of ISM Dhanbad.

8) Introduction to Coding Workshop: (<http://ism.acm.org/event.php?eve=114>)

A workshop on 'Introduction to Coding' was organized for the freshman batch of ISM Dhanbad. They were given a brief introduction to the various aspects and fields of computer science and introduced them to the competitive programming world.

| Branch | No. of members enrolled in 2014 – 15 |
|--------------------------------------------|---------------------------------------------|
| Computer Science | 123 |
| Electrical & Electronics | 145 |
| Mechanical, Chemical & Civil | 83 |
| Earth Science – Petroleum, Mining, Mineral | 117 |
| TOTAL | 458 |

As compared to previous years' figures of 300 members, the ISM ACM Student Chapter enrolled 458 members this year, the highest in chapter's history. Ours is a diversified chapter which enrolls people purely based on their interest in computing. The ISM ACM Student Chapter, became the biggest student organization of Indian School of Mines, Dhanbad with more than 970 active members belonging to the 1st, 2nd, 3rd, and the 4th year of various courses.