**Phrase 1: Introduction**

Indian Institute Of Chemical Engineers’ Students’ Chapter, BIT Mesra is a confluence of streams of students, professionals and intelligentsia from academia, research institute and industry. It provides them the appropriate forum for joint endeavours, hand-in-hand, to work for human being through application of chemical engineering and allied sciences. Further, it is a representative branch of its namesake organization at Jadavpur University, Kolkata. The primary objective of this society is to promote among Students in Chemical Engineering, a feeling of fraternity and brotherhood and to complement the objectives and activities of the Chapter and the Institution, in general. The society also seeks to bring to all students, irrespective of their field of study, into the mainstream of Chemical Engineering and allied technology. It also renders all possible assistance to the Regional Centres in matters relating to Student Members. At present situation, the Chapter has been assigned the status of the executive wing of Department of Chemical Engineering, BIT Mesra Ranchi.

The Chapter is also affiliated to the Institution of Chemical Engineers’, United Kingdom, and

is also the official trade embargo of the IIChE apex body.

**Phrase 2: Aims and Objectives**

We provide a platform for the undergraduate students of Chemical Engineering and allied branches to the mainstream of Indian Chemical & Allied Industry, Academia & Research for continuous education, Professional excellence, networking and attaining global recognition in their spheres of interest.

Over the years the Institute has developed a distinct profile of its own. Even as the IIChE is always molding itself and playing a proactive role to keep up with the ever changing needs of the society and the economy, the basic objectives remain largely unchanged since its inception. One may shortlist them as:

 To build and sustain an active international professional community, united by a commitment to qualifications and standards that foster excellence and the delivery of benefits to society.

 To engage with others to promote the development, understanding of chemical engineering and an appreciation of its importance.

 To provide support and services to individuals, employers and others who contribute to improving the practice and application of chemical engineering.

 To enable undergraduate chemical engineers to communicate effectively with each other and with other disciplines, as well as with professionals in this field.

 Seminars, Workshops, Group Discussion and Debates and to promote interaction of the Institute with Industry.

 Assistance and guidance for Student Chemical Engineers in their career planning and placement.

 Assistance for any other activities of social, technical and educational interest to

Student Chemical Engineers.

 Excursions and Plant Visits of interest to the Student Chemical Engineers

**Phrase 3: Modus Operandi**

*1. What we do*

The activities of the Students’ Chapter specifically includes the following:

 Lectures, Film shows and Video shows related to the Chemical Engineering

Education and Profession.

 Seminars, Workshops, Group Discussion and Debates and to promote interaction of the Institute with Industry.

 Excursions and Plant Visits of interest to the undergraduate Chemical Engineers.

 Assistance and guidance for undergraduate Chemical Engineers in their career planning and placement.

 Assistance for any other activities of social, technical and educational interest to

undergraduate Chemical Engineers.

*2. How we work*

The aim of a chemical engineer is to be of service to the community and society expects the highest professional standards. Ethics lies at the heart of our discipline. The role of the Chapter in a professional engineering institution is to promote the science and practice of chemical engineering, the standing of the profession, and to serve its members and society.

At present, we work under the following perspectives:

* + - We strive to achieve utmost excellence in whatever we undertake.
		- Self-evaluating ourselves in the face of others’ opinions.
		- We make ourselves recognizable by our deeds, activities and spirit of effective coordination.
		- We achieve perfection from scratches and rising successfully from grassroots level.

**Phrase 4: Membership**

Membership of the Institute itself is considered as a professional accomplishment of a person. The students may join as member for seminars specifically meant for them and can participate in activities like Conferences, Guest Lectures, Technical workshops and seminars as well as inter-collegiate technical competitions related to Chemical Engineering.

Students become eligible to join the chapter only from their second year of undergraduate studies and only from the Department of Chemical Engineering and Technology. They can avail the membership status as well as the perks of IChemE AND IIChE for two years by paying a fee of INR 550.00, after filling out the membership forms. Further, they will also avail the membership of IChemE, UK for the aforesaid duration.

**Phrase 5: Activities**

“An empty mind is a devil’s workshop”, is what we truly try to instill in the minds of our members as well as non-members. Keeping this in mind, we come in handy with a plethora of events to keep everyone engrossed and enlightened with the spirit of engineering technology. The platter of events come as thus:

1. ***Coalescence*:** The annual technical festival of the Department of Chemical Engineering. Flagged off in April 2015 by a group of enthusiasts from the class of 2011, the event has grown by leaps and bounds. The latest version dealt with effective measures to control pollution and was a scintilling success. Eligibility is open to all branches. It emphasizes on incorporation of all ideas and combining them into one which could help make this world a better place to live in. This year, we have come up with the theme "Inspiration, innovation, invention". Coalescence involves Events like Lecture series, Workshops and Competitions such as Chem MazeRunner, Vidi ego locutus, HardCore, Cognito, Paper presentation, IDP and workshops where students across the country participate. This year, Coalescence had dealt with the issue of Industrial Safety, which had been prevalent amidst the onset of various disasters which had been occurring around the globe. Events were also designed as per the theme, and an awareness drive had been conducted for the same purpose.
2. ***Pantheon***: The annual technical festival of Birla Institute of Technology, Mesra, which is a confluence of all technical clubs and societies in the campus. Our pot included events like chem-e-boat, vidi ego locutus and Chem-bizzinga.
3. ***Industrial Trips***: As the statement goes ‘don’t be a crammer, be an analyzer’, so is this event. Students of the department avail the facility of getting an industrial interface through this programme and thereby, increase their knowhow of their theoretical knowledge regarding their course of studies. Further it also acts as a sort of refreshment from their mundane activities and regulations.
4. ***Workshops, seminars and conferences***: The Chapter organizes a number of workshops and conferences to avail its members an opportunity to interact with industrial and research giants, so that they imbibe skills essential to thrive in their field of interest. The latest activity assigned to the chapter involves the effective coordination and management of the International Conference of Chemical Engineering, in alliance with the department.
5. ***Online activities***: The Chapter conducts regular online quizzes, and events like ChemClave where information is shared to be accessible to each and every one, for their benefits.
6. ***Tech***-***talk***: Sometimes, an experienced hand is essential to steer up the way to success. Keeping this in mind, IIChE had organized an interactive session between the seniors and juniors, with the sophomores (excluding the freshmen). This session dealt with the placement scenario as well as details on useful tips which were crucial on the eve of the senior year.
7. ***Rasaayan-e-Karizma***: Great Leonardo Da Vinci once said, “The human foot is a masterpiece of engineering and a work of art”. Engineers over here at BIT Mesra were presented with the opportunity to apply and convert their imagination and creativity into practicality, unifying art and logic through the event, Rasaayan-e-Karizma. The event was conducted by the IIChE (Indian
Institution of Chemical Engineers), BIT Mesra at the Department of Chemical Engineering from 10:00 am on Saturday i.e. the 22nd of October. Faced with the challenges which the present world continues to pose, like the shortage of basic amenities, continuous wastage of products, this event was organized by the IIChE to apprise the budding engineers on the burning issue of piling waste products and the need to recycle it.

Since the last three years, the Chapter has been inventing new sorts of events to keep the students of the Department of Chemical Engineering

**Phrase 6: Executive Body**

The entire Chapter has a well-framed executive body, equipped with resources required to execute the functions of the former. This body is formulated under the aegis of IIChE Headquarters, Jadavpur specifications, which are as follows:

* The Chapter must be headed by a patron and a technical in-charge from the Faculty of the Department of Chemical Engineering.
* There will be a president, vice president and heads of various departments which fall as: event, technical, finance, resource, publicity, media & external affairs (MEA) and membership.
* Each of the departments shall be equipped with two coordinators each for effective handling of the activities, which come under the domain of their department.
* These coordinators will be manned by a General Secretary and a dy. General Secretary (in the absence of the former), who will report the activities of the coordinators to the core members (comprising the faculty advisors and the presidential committee).
* In order to bear with the expenses as well as the formulation of the budget, there must be a treasurer who will be assisted by a dy. treasurer.

The hierarchy structure for IIChE Executive Body for the session of 2017-18 is as follows:

 A similar pattern will be followed in the coordinators’ team, which will be led by the General Secretary and its hierarchy will be as follows:

This Executive Body of 36 members will be leading the General Body of the Chapter, which comprises almost all the students from the Department of Chemical Engineering as well as the Department of Chemical Engineering (Plastics and Polymer).

The names of officials holding the aforesaid positions has been attached along with this document.

**Phrase 7: Modus operandi for the upcoming session**

Being a technical organization in name as well as deeds, the events’ schedule chalked out for the upcoming session will not be different from the previous session. This time, we shall be incorporating the online aptitude and technical version of ‘Ingenium - 2018’, whose first edition had been a scintilling success.

The other events which will be there in our baskets will be a more developed form of “Alumni interactions”. This will enable present students to know about their role in the industries once they graduate out of their university life.

On the other hand, we shall be organizing workshops and interaction sessions that will enhance the knowledge of participants in all aspects, be it academic or related to the external world.