



# K. J. SOMAIYA INSTITUTE OF ENGINEERING AND INFORMATION TECHNOLOGY, SION, MUMBAI

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Three Programs Accredited by National Board of Accreditation  
Best College Award by University of Mumbai, ISTE(MH) and CSI (Mumbai)



## **TECHNICAL PROPOSAL**

### **PROFORMA FOR THE SUBMISSION OF A TECHNICAL PROPOSAL**

**TITLE OF THE PROJECT: "Proposal for Setting-up 'Debate Society' at KJSIEIT Campus"**

**NAME OF THE PROPOSER: Krutika Bhalla**

**DESIGNATION: Technical Admin at IEEE KJSIEIT**

**NAME OF THE ORGANIZATION:**

K J Somaiya Institute of Engineering & Information Technology,

Ayurvihar Campus,

Sion, Mumbai-400022.

Website: <https://kjsieit.somaiya.edu/en>

**MONTH & YEAR OF SUBMISSION: 01<sup>st</sup> November, 2020**

## I-SUMMARY

**1. Project title: To seek funds for setting up a 'Debate Society' at KJSIEIT Campus**

**2. Name and designation of the proposer(s):**

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**3. Postal address of the proposer(s):**

Bhakti Park, Wadala, Mumbai-400037

**4. Name of the institution/org in which the project would be carried out:**

K J Somaiya Institute of Engineering & Information Technology, Ayurvihar Campus, Sion, Mumbai-400022.

Website: <https://kjsieit.somaiya.edu/en>

**5. (A) Time required for the commencement of the project on the receipt of approval.**

Date of Commencement	Time Period/Date of Completion
1 <sup>st</sup> December, 2020	1 <sup>st</sup> April, 2021

**(B) Duration of the project**

Details of the Project	Time Period/Date of Completion
From the Commencement of New Academic Year: 2021-22	Ongoing student-centric activities will be scheduled for each semester

**6. Amount of money required (Give year wise/Month wise break up)**

Details of the Finances	Time Period for Utilization
Total Cost Estimated	Rs. 285000/-

## **7. Proposal of the Summary: (200 words):**

KJSIEIT has been in recognition to aim for the development of complete growth of its students & Alumni. The students therefore thrive to emphasize importance of debate activities and its role in the bringing up of the youthful students, the college Students', its Alumni to share an affable goal. It proposes establishment of 'A Debate Society' that will focus a view to promote critical thinking and confident communication amongst the students. The Students' Debate Society in the College will aspire to collaborate through various committees with the various Faculties in supervising the extra-curricular activities, which aim at achieving the following objectives:

- a. To participate in developing the college students and in forming their personality with balance and integrity.
- b. To develop the talents of the students/alumni and improve their capabilities and assist them in acquiring useful knowledge and experience.
- c. To get the students & alumni accustomed to participating in debate, to develop professional relations among them, and to develop a mellifluous relationship based on mutual respect among themselves and their professors.
- d. The society will also help students to become more informed about political and global affairs, or provide a venue for students to train for debate competitions with local school, or at a national level.
- e. Increasing student's general knowledge about recent and buzz news and also to develop articulate thinking.
- f. To handle stressful situations and get a grasp on decision making with sound and peaceful thinking.

## II- TECHNICAL SECTION

### 1. State of the art giving background of work done in the area:

Located in the heart of Mumbai City, at Somaiya Ayurvihar Campus, KJSIEIT endeavours to provide students and faculty with cutting-edge facilities that includes 'Riturang'—the new IT extension building, canteen with amphitheatre, instructional spaces, research labs and club-centres. The study areas and common areas for student, faculty and community interaction and events too defines the new-age learning experience by introducing a Debate Society in the campus.

### 2. Definition of problem:

In the view of providing seamless opportunities for the Students & Alumni to participate in activities, interact with peers in a supervised setting, and form relationships networks, there is a need to obtain sponsorship & funding for initiating the 'Debate Society', so as to develop their skills and interests in the recreational areas.

A debate club gives students of all abilities a fun way of developing their oracy skills. Different activities can be used to help students with their critical thinking and confident communication. The club could also help students to become more informed about political and global affairs, or provide a venue for students to train for debate competitions with local school, or at a national level.

### 3. Objectives: For a 'Debate Society', there are a number of reasons that both learners and alumni to benefit from participation in debates with following objectives:

- (a) To engage the youth in productive activities in several ways so as to limit the time that is available for less constructive activity.
- (b) The activities offered by clubs will enable members to learn valuable oratory skills & to extend and elaborate on the more formal knowledge learned via classroom education.
- (c) To provide membership that provides an opportunity to participate in new leadership roles.
- (d) To foster 'Mentoring Relationships' that might result in opportunities to gain social skills from positive interactions with peers.

### 4. Scope and limitations:

One positive outcome points towards participation in 'Debate Society' programs towards peaceful thinking, a minor shortcoming is to take the prior academic performance into account as it might take the academic shift form the student's priority.

For the above shortcoming, the leadership and oratory skills must be evaluated carefully before the student enrolls for a debate society membership.

#### **5. Proposed work:**

It has been proposed that the establishment of 'Debate Society' will ensure that most of the students who participate in its activities will be granted relevant amount of 'attendance' as well as gain academic credit. The enrolment in the club will result not only in improvement of average grades but will actually improve an overall psychological well-being of most of the members.

#### **6. Technical description:**

<b>Sr. No</b>	<b>Technical Description</b>	<b>Specification</b>
1	Space of 5000 sq. ft. area	For recreational purposes
2	AV support for 30 pcs	4 Mbps Internet Service Recommendations or higher. Wireless plans with 20 GB of data or higher. If using campus wi-fi, or if using a fixed internet connection, wireless 3g is a good idea for backup.
3	Use of Green Technology	Use of solar panel for open door activities
4	Miscellaneous	Equipment

### 1. **Methodology:**

Using theory and previous research, the effectiveness of the Debate Society will be based on interactive sessions with Stakeholders, parents, Alumni, Non-Government Organizations (NGOs) with an interactive advice, feedback, evaluation techniques for making the initiative a cost-effective venture.

### 2. **Significance:**

Research studies have revealed that Debate society enables students to develop communication skills and put forth their ideas and views in a professional and appropriate manner. Most students in Engineering stream have never pursued their interests before they reach college or may even have no idea what they might be good at. Different clubs in college help you unlock their potential and to discover subtle skills with the under-listed significance:

- (a) **It helps improve debating skills:** Joining club activities will result in polishing various vocabulary skills.
- (b) **It helps take a break from arduous life:** Academic life can be boring and difficult due to the constant weekly assignments and tests. Students often crave to get away from it. In such situations, being a part of clubs or pursuing such interests really helps. They provide the fun and enjoyment needed to turn monotonous life into a fun-filled one.
- (c) **It helps widen Networks:** With peers & Alumni interaction, getting involved in an activity club will help you make more friends, who have similar interests, away from home. Moreover, while managing the technical or cultural fests of your college, students will get to meet different people from various walks of life, which definitely facilitate to gain valuable insights about their life and culture but also helps you gain internships or job opportunities later on.
- (d) **It adds to curriculum vitae:** Societies and clubs help to build better resume. Many companies who come to recruit graduates look for additional skills apart from the education you receive at the college. Being an active member of a club conveys to them that one can work as a team, fulfil deadlines, manage complex issues and establish leadership quality. All these are crucial prerequisites before getting recruited.

### 3. **Utilization of results:**

The in-house students & Alumni will Club membership will positively provide an opportunity to participate in new roles. The leadership roles that will be made available in clubs will result in a valuable experience that is not generally available to young people to enable identity exploration and career benefits.

#### **4. Plan of action.**

The Debate Society as a newly planned initiative will abide by specific structured goals:

- The prime goal of the Debate Society is to enhance diversified skill sets with a special emphasis on critical thinking and decision making.
- The students & Alumni enrolling for the A.Y 2021-22 will be monitored till the end of the semester (April 2022) with measurable evaluating tools to track progress.
- The evaluation process will indicate the realistic and achievable track record of participation within the resources, time, money, experience, etc. offered in the stipulated campus hours (6 hours per week from 4.40 Pm-5.40 pm).
- The academic sessions can be aligned/mapped with the achievements of Debate Society for perfect blend of theory and experiential learning.
- A definite time-line per month will be set for obtaining prolific experience of various debate situations.

### III MANAGEMENT SECTION:

#### 1. Schedule of work:

Date of Commencement	Tentative Time Period/Date of Completion
1 <sup>st</sup> December, 2020	1 <sup>st</sup> April, 2021

#### 2. Existing facilities:

The physical infrastructure includes well-equipped classrooms designed for regular chalk and talk as well as multimedia teaching. Laboratories are equipped with latest equipment and library is stocked with the latest books, journals and access to e-learning/ digital resources. The Institute also has a well-furnished and air-conditioned auditorium having a seating capacity of 400. It is used to conduct guest lectures, seminars/conferences and symposia as well as facilitates conduction of technical festivals (Renaissance), annual cultural festival (Surge) and annual Robo festival. The Infrastructural support is instrumental in fostering creativity, innovation and capabilities for self-directed lifelong learning in students.

#### 3. Workshop facilities:

##### Institute Infrastructure Facilities

Sr. No.	Facility Type	No	Description of the facilities
1	Workshop	01	Workshop with appropriate machines, tools and fixture for fitting, carpentry, welding and plumbing work



#### 4. Water and electricity

Sr. No.	Additional Facility	Description of the facilities
1	Butterfly Garden, Ring well & Botanical garden	In the institute campus, a beautiful Butterfly Garden is developed. <b>The ring well for watering garden &amp; plants is also available in the campus.</b> Our Institute is situated in Somaiya Trust Ayurvihar complex which has a 3-acre botanical garden “Vanaspatyam”.

#### 5. Laboratory space:

Sr. No.	Facility Type	No	Description of the facilities
1	Laboratories (Existing)	21	Laboratories with- <ol style="list-style-type: none"> <li>1. Adequate number of PCs on LAN with Internet connectivity</li> <li>2. Adequate number of equipment/instruments</li> <li>3. Multimedia Projector</li> <li>4. Green board /Whiteboard</li> </ol>
2	Computer Laboratories (Existing)	22	Laboratories with- <ol style="list-style-type: none"> <li>1. Adequate number of PCs on LAN with Internet connectivity</li> <li>2. Multimedia Projector</li> <li>3. Air Conditioning</li> <li>4. CCTV cameras</li> <li>5. Printer</li> <li>6. Whiteboard</li> </ol>
3	Computer center (Existing)	01	The computer center is used as a common computing facility. Other physical facilities are - <ol style="list-style-type: none"> <li>1. Adequate number of PCs on LAN with Internet connectivity</li> <li>2. Multimedia projector, computer/ laptop with internet connectivity</li> <li>3. Air Conditioning</li> <li>4. Whiteboard</li> </ol>

4	Server Room (Existing)	01	Air Conditioned Server Room is provided for three important functioning server namely- 1. Antivirus server 2. Active directory server 3. Library and admission server and CCTV monitoring system
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## 6. Air-conditioned room for equipments

Sr. No.	Facility Type	No	Description of the facilities
1	Technology enabled learning spaces	21	Air-conditioned laboratories with- Multimedia projector, computer/ laptop with internet connectivity
2	Seminar Hall	02	Seminar hall with multimedia projector, computer/ laptop with internet connectivity
		01	The Institute has fully <b>air-conditioned auditorium</b> having seating capacity of around 400 with- Multimedia projector, computer/ laptop with internet connectivity Audio system Tiered seating arrangement Cushioned chairs

## 7. Telecommunication:

The Institute canteen and library area are Wi-Fi enabled, Password and User-id have been given to all students and staff to avail this facility. All the PCs (except one which is available at examination cell) in the Institute are on the LAN and has Internet connectivity having 156 Mbps bandwidth.

## 8. Administrative and secretarial support:

The Institute is synced with all the activities with the Somaiya Vidyavihar campus. The administrative & secretarial support facilitates best of Infrastructural support is instrumental in fostering creativity, innovation and capabilities for self-directed lifelong learning in students

## **1. Library facilities:**

### **Library- Knowledge Resource Center**

The institute library is with full with knowledge resources for science, engineering & technology along with fiction & nonfiction English Hindi Marathi collection.

The library has implemented the following practices from time to time for its readers.

- Students are allowed to borrow up to 6 books for a period of one month.
- The library catalogue is available online on the link [opac.somaiya.edu](http://opac.somaiya.edu).
- Online book reservation and online book renewal facility are given. Students can renew the book from home provided it is not reserved by any other student.
- More than 500 online journals (viz. IEEE, Springer, ACM, ASME, Science direct digital library). There is a Google App for e-journal access and stakeholders can take benefit of this facility from anywhere in/out of the campus at any time. There is no limit for concurrent users.
- The library has eleven computers with Internet facility. There is a dedicated computer for NPTEL lecture series having 8TB hard disc. Wi-Fi connection is provided in the library for uninterrupted internet connection to every reader in the library.
- The library implements the free book bank facility for SC/ST students funded by social welfare department, Government of Maharashtra and UoM. There is also a book bank facility for all regular students and alumni at a nominal cost to fulfill their academic needs.
- Library also has external memberships such as DELNET membership, IETE life membership. Global Common Circulation (GCC) model enables every student to borrow books from the library of any of 34 Somaiya institutions.

## **2. Furniture**

The classrooms, Laboratories, Drawing Hall etc are well-equipped with-

An adequate number of benches, cushioned chairs, drawing tables, drawing Boards and other furniture.  
Multimedia Projector, Computer/ laptop  
Green Board

### 3. Office equipment

The Institute office located at the ground floor adopts policy regarding infrastructural space. It is driven by visualization of future requirements of students, teachers and administrative staff. At present, the focus of the Institute is to further create a physical infrastructure which is contemporary and at the same time, meets the norms laid down by the regulating authorities like AICTE and UoM.

### 4. Any other

Sr. No.	Additional Facility	Description of the facilities
1	Outdoor Games	The Institute has several facilities for outdoor games like box cricket, football, volleyball, lawn tennis, Astroturf football, cycling, skating, outdoor table tennis outdoor chess and cricket.
2	Indoor games	The gymkhana room is equipped with table tennis, carom and chess.
3	Gymnasium	Open gymnasium
4	Auditorium	The Institute has fully air-conditioned auditorium having seating capacity of around 400 with- Multimedia projector, computer/ laptop with internet connectivity 2. Audio System 3. Tiered seating arrangement 4. Cushioned chairs It is used to carry out co- curricular and extra-curricular activities focusing personality & skill development programs
5	Public speaking, Communication skills development	A language laboratory with O'rell software & audio-visual facility is used for soft skills development.

### 5. Additional facilities required:

The policy of the Institution for creation and enhancement of “Debate Society” infrastructure the following is estimated:

- To meet the need of upgrading/ creating infrastructure that would support range of activities for co & extracurricular development.

## 6. Equipment and accessories:

All the Classrooms & Laboratories are well-equipped with-

Adequate number of PCs on LAN with Internet connectivity

Adequate number of equipment/instruments

Multimedia Projector

Green board /Whiteboard

### 1. Materials

The following materials / resources will be required:

Sr. No.	Facility Type	No	Description of the Facilities Required
1	Debate Room	01	Debate room for discussion and execution of tasks.
2	Potential Development Laboratory	01	Required for execution of designing task-based activities like Robots, Vyom etc which helped institute bagging 3 <sup>rd</sup> , 9 <sup>th</sup> & 12 <sup>th</sup> rank at National Level Robocon Competitions in 2018, 2016 & 2015 resp.
3	Physically Disabled personnel support Infrastructure	01	The institution supports the active academic participation of physically disabled students by providing necessary facilities hence a specially customized facility for the special students.

### 2. Any other, specify.

Sr. No.	Facility Type	Description of the facilities
1	IT enabled campus	As the entire campus is IT enabled through use of biometric attendance system for staff, HR software system with the system in place. For Hobby Club activities, it is recommended to have the attendance monitoring system, feedback system, & wi-fi enabled facility with 150 Mbps Internet bandwidth, Group SMS facility, Use of Google Apps for education, LED TV display etc

2	Bus Facility	Both the campuses of Somaiya Trust at Vidyavihar and Ayurvihar are connected through hourly bus facility for students and staff. However, for late hours beyond the campus college timings, it is recommended to have additional-timing bus transport for safety of students.
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## IV COST ESTIMATE

### 1. Equipment:

Sr. No.	Facility Type	No	Description of the facilities	Approx. Cost
1	Computer centre	01	The computer center that will be used as a common computing Facility with 15 number of PCs on LAN with Internet connectivity in addition to Multimedia projector, computer/ laptop with internet connectivity, Air- Conditioning Whiteboard.	Rs. 150000/-
2	Server Room	01	Air-Conditioned Server Room with Antivirus server and CCTV monitoring system	Rs. 500000/-
<b>Total Estimate for Equipment</b>				<b>Rs. 2000000/-</b>

### 2. Materials

Sr. No.	Facility Type	Description of the facilities	Cost Estimate
1	<ul style="list-style-type: none"> <li>Google Apps for Education (GAFE) membership Offer (Hyper Local Content Distribution Platform)</li> <li>Various Development Boards/Workbenches</li> </ul> 250KVA Diesel Generator for Power backup	Meant to be consumed for Debate related initiatives	<b>Rs. 250000/-</b>

### 3. Salaries and wages

Sr. No.	Description of the facilities	Cost Estimation
1	Skilled laborers, Workforce to develop workshop with appropriate fixture, fitting, carpentry, welding and plumbing work etc	<b>Rs. 100000/-</b>

### 4. Travel

Sr. No.	Facility Type	Description of the facilities	Cost Estimate
1	Conveyance	For interaction with experts, advice, for architectural, legal consultation, BMC permission etc	<b>Rs. 10000/-</b>

### 5. Other costs.

Sr. No.	Description of the facilities	Cost Estimate
1	Miscellaneous expenses	<b>Rs. 10000/-</b>

## 6. Total Expenditure

Sr. No.	Final Details of Cost under all Heads	Approx Cost
1	Equipment	Rs. 2000000/-
2	Materials	Rs. 250000/-
3	Salary & Wages	Rs. 100000/-
4	Travel	Rs. 10000/-
5	Other Costs	Rs. 10000/-
Total Cost Estimate		Rs. 238000/-



