

K. J. Somaiya College of Engineering, Mumbai-77
(Autonomous College Affiliated to University of Mumbai)

Annual Report

EESA Council, KJSCE

(2017-18)

Name of the organisation
Electronics Engineering Students' Association (EESA), KJSCE

K. J. Somaiya College of Engineering, Mumbai-77
(Autonomous College Affiliated to University of Mumbai)

List of Members/ Details of Committee: 2017 – 2018

Sr. No.	Name of the Faculty advisor/ in-charge	Department	Portfolio
1.	Dr. J. H. Nirmal	ETRX	Chairperson
2.	Prof. Makarand Kulkarni	ETRX	Faculty Representative
3.	Prof. Jeneffir Esther, Prof. Bharati Khedkar	ETRX	Faculty Representatives
4.	Mr. Raghunath Patil	ETRX	Staff Representative

Sr. No.	Name of the student	Department	Portfolio
1.	Shivam Singh	ETRX	General Secretary
2.	Nikita Patil	ETRX	Jt. General Secretary
3.	Nikita Virkud	ETRX	Treasurer
4.	Soham Kulkarni	ETRX	Technical Head
5.	Paul Gaikwad	ETRX	Jt. Technical Head
6.	Himanshu Kale	ETRX	Jt. Technical Head
7.	Saumya Kamde	ETRX	Public Relations Head
8.	Prajwal Bhandari	ETRX	Jt.Public Relations Head
9.	Akash Chaudhari	ETRX	Jt.Public Relations Head
10.	Ayesha Sayyad	ETRX	Creative Head
11.	Leena Kesarkar	ETRX	Jt. Creative Head
12.	Sakshi Trivedi	ETRX	Magazine Head
13.	Vedant Modak	ETRX	Jt. Magazine Head

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Photo of members/ committee: 2017-18



Details of events/activities held during academic year 2017-2018

Sr. No.	Day/ Date	Year	Month	Time	Venue	Description of Activity
1.	09 th	2017	August	10:30 a.m. onwards	B517	First year students' orientation
2.	18 th	2017	August	05:15 pm to 06: 30 pm	B517	Calculator workshop
3.	13 th	2017	September	03.30 p.m. to 05:15 pm	B510	Workshop on Fundamental Knowledge of BEEE
4.	16 th	2017	September	01.30 p.m. to 03:00 pm	B501	Teachers' Day and Engineer's Day
5.	23 rd	2017	September	10:30 am to 05: 30 pm	B517	Workshop on Internet-of-Things
6.	6 th -7 th	2017	October	10:30 am to 05: 30 pm	B202, B203	Abhiyantriki 2017-18
7	22 nd – 25 th	2018	January	Four Days	Ahmeda -bad	Industrial visit to Institute of Plasma Research (IPR)

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8.	15 th -16 th	2018	February	10:30 a.m. to 04:30 p.m.	B503, B515	Workshop on Microprocessor
	17 th		March			
9.	28 th	2018	March	03:15 p.m. to 05:15 p.m.	B517	Placement talks by Training and Placement Cell
10.	25 th	2018	April	03:15 p.m. to 04:30 p.m.	B517	Felicitation Ceremony and Unveiling of Dept. Technical Magazine: 'Periscope-2017-18'

REPORTS OF EVENTS AND ACTIVITIES

Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
1.	09 th	2017	August	10:30 a.m. onwards	B517	First year students' orientation

Report of event/ activity

Event: First year students' orientation

To a new batch entering into the family of Electronics Department, ESSA conducted an orientation program in seminar hall B517 on 9th August, 2017. Dr. Jagannath Nirmal gave the introductory speech and welcomes all the students. Followed by him, other faculty members of Electronics explained to students the different subjects they were going to study.

Prof. Samidha Kulkarni gave a glimpse of the signal processing through power point presentation and Prof. Makarand Kulkarni explained the role of communication in engineering. Prof. Amrita Naik Satam gave brief knowledge of the circuit group syllabus. Prof. Milind Marathe discussed Power Electronics. Digital designing related group of subjects were explained by Prof. Bhargavi Kasilkar. Prof. Uday Chatre talked about the importance of Research and development. In the end, Joint General secretary Nikita Patil presented the EESA council to the first year students.

Photographs of the Event/Activity



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Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
2.	18 th	2017	August	05:15 pm to 06:30 pm	B517	Calculator workshop

Report of event/activity

Event: Calculator workshop

For the benefit of new admissions and to get them familiar with the use of the scientific calculator which is essential for engineers, ESSA conducted special Calculator workshop on 18th of August. Soham Kulkarni (Technical head) along with Ayesha Sayyad (Creative head) helped students to use the scientific calculator (CASIO FX-991ES PLUS) with the help of calculator emulator. Nearly 70 students attended this workshop which was held in B517. Small refreshment was given to all students at the end of the session.

Photographs of the Event/Activity



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Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
3.	13 th	2017	September	03.30 p.m. to 05:15 pm	B510	Workshop on Fundamental Knowledge of BEEE

Report of event/ activity

Event: Workshop on Fundamental Knowledge of Basic Electrical And Electronics Equipment (BEEE)

To help the students with basic circuits and components of electronics, EESA had organized basic electronics workshop which was conducted by Mr Kiran Kardile in B510 on 13th September. Group of 2 to 3 students were allotted a separate table for the practical performance. Students were delighted by doing the experiment on their own. Further information about IC's and PCB was given by the tech team of EESA and a letter of participation was given to each student.

Photographs of the Event/Activity



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Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
4.	16 th	2017	September	01.30 p.m. to 03:00 pm	B501	Teachers' Day and Engineer's Day

Report of event/ activity

Event: Teachers' Day and Engineer's Day

To show our gratitude to the hardworking faculty of Electronics Department, ESSA had organised a special event Teacher's Day and Engineer's Day event. It was celebrated on 16th September 2018 in B501. Joint General Secretary Nikita Patil delivered the introductory speech and cake cutting took place. Fun games were played like Musical Chairs and Antakshari. Tea, snacks and refreshments were served to complete this eventful day.

Sample Photographs of the Event/Activity



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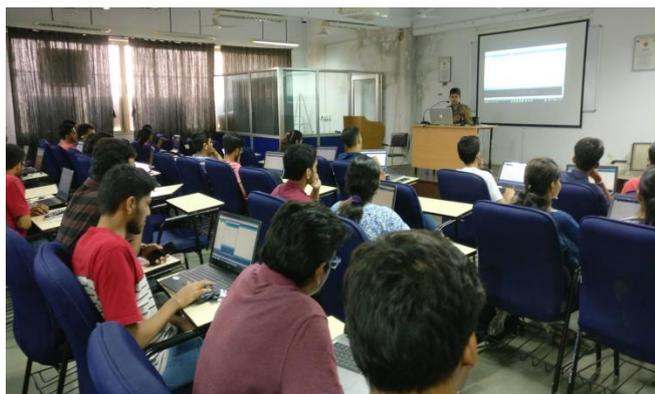
Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
5.	23 rd	2017	September	10:30 am to 05: 30 pm	B517	Workshop on Internet-of-Things

Report of event/ activity

Event: Workshop on ‘Internet-of-Things’

ESSA had organized IoT workshop on 23rd September which was conducted by Bro. Soham Kulkarni (Technical Head). Students from different colleges and diverse fields of engineering also attended the workshop. The workshop commenced at 10:30 a.m. and everybody was eager to know about IoT. The workshop begins with an introductory part of C and C++ which was followed by a session on creating local servers. The technical team of EESA provided the insights of IoT applications for smart homes, smart cities etc. The first session ended with the learning of C and C++ language and creating the mobile hotspot and advance server. Workshop resumed after 45 minutes of break. In the second session development of small chat UI using blynk app was taught. Introduction about ‘Thing Speak and Telegram’ was given and participants were indeed curious when they realized the mechanism of uploading data. Participants learned to create basic Arduino programs. Hands-on experience on IoT devices was provided by the workshop. The session comes to an end at 5:30 pm.

Photographs of the Event/Activity



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Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
6.	6 th -7 th	2017	October	0:30 am to 05: 30 pm	B202, B203	Abhyantriki 2017-18

Report of event/ activity

Event: Abhyantriki 2017-18

The annual Technical festival of the K.J. Somaiya College of Engineering, Abhyantriki 2017 was held on 6th and 7th October. Presence of DRDO and BARC made the overall festival a huge success. EESA council had organised two competitions for the fest viz. Command for Catastrophe (IoT based) and Find A Way Or Fade Away (Line following bot). Both the competitions were held in B202 and B203 respectively. Designing of the areas was done by the creative team of EESA Council and all the technicalities were handled by the Technical team of EESA Council. All the EESA council members were present for supervision and help. Both the events challenged the coding skills of the participants. The fest saw participants varying from the first year to final year engineering student. Among these techmaniacs, was a young lad of just 15 years trying his hands on coding. One of the events, line following robot was divided into 2 levels. The first level included straight path and the second level included waveform. The purpose of the event was to test the skills of the participants in every aspect of robot assembly. One and a half hour was given for coding of Arduino and IoT based event. All the Participants were allowed to test their projects on a common setup. The attempts for the final setup were limited. LEDs, switches, wires, and breadboard were provided by the council which was served as debugging tools. Depending upon the efficiency and correctness of code, maximum points were awarded to participants. All the council members kept an eye to avoid any malpractice happening during the course of the competition. Rules for the competition were made by the tech team of EESA. Winners were declared at the end.

Photographs of the Event/Activity



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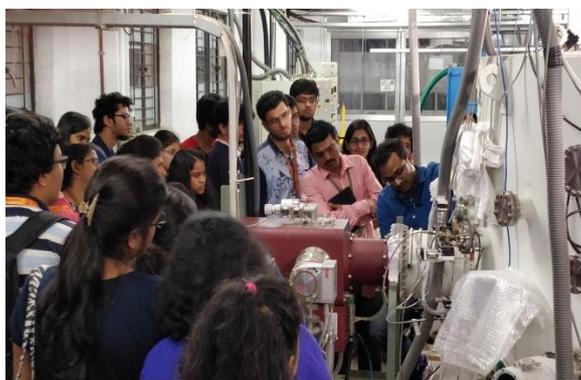
Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
7	22 nd – 25 th	2018	January	Four Days	Ahmedabad	Industrial visit to Institute of Plasma Research (IPR)

Report of event/ activity

Event: Industrial visit to Institute of Plasma Research (IPR), Ahmedabad

The EESA Council organised an Industrial Visit to the Institute of Plasma Research, Ahmedabad from 22nd to 25th January 2018 which witnessed a huge response from students of different branches and years. A total of 51 people joined in for the industrial visit which included 49 students and 2 faculty members. The first destination was the main campus of Institute of Plasma Research, where they got to interact with Dr. Ramasubramanian. Dr. Mukul Bhatnagar gave the introductory speech. Next down the line campus was FCIPT, where students got to interact with Dr. Rajamannar Swamy who showed projects like Plasma Nitrating and Pyrolysis. The third campus was VIDHATA, wherein Dr. Mukesh Ranjan explained a high heat flux facility. All the sessions were accompanied by frequent doubts from students which were immediately solved by the concerned authorities. The next morning students visited the Sabarmati Ashram and Akshardham, where they saw a glimpse of Mahatma Gandhi's life and enjoyed the environment. The soothing sight of Kankariya Lake was appreciable. After this, the students boarded the train at 09:00 p.m. and returned to Mumbai at 06:00 am on 25th January. All in all, the IV was a perfect blend of education and enjoyment.

Photographs of the Event/Activity



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8.	15 th -16 th	2018	February	10:30 a.m. to 04:30 p.m.	B503 and B515	Workshop on Microprocessor
	17 th		March			

Report of event/ activity

Event: Workshop on Microprocessor

For the benefit of the secondary students studying in the fourth semester, ESSA had organised microprocessor workshop on 15th, 16th February and 17th of March in B503. EESA Council Members- Soham Kulkarni, Ayesha Sayyad, Leena Kesarkar, Saumya Kamde and Shivam Singh made the workshop successful. Microprocessor 8085 was taught in the first two lectures. On the last day of the workshop, Prof. Sandeep Hanumante conducted a hands-on session for 8086.

Photographs of the Event/Activity



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9.	28 th	2018	March	03:15 p.m. to 05:15 p.m.	B517	Placement talks by Training and Placement Cell

Report of event/ activity

Event: Placement talks by Training and Placement Cell

With the collaboration of training and placement cell, ESSA council arranged placement orientation seminar on 28th of March in B517. Third year as well as 1st year M tech students attended the seminar. Training and placement officer Mr. Mahesh Patil started the proceedings by explaining rules for placement. Nilay Shah, Dhaval desai, Abir Banerjee and Hrishikesh Belatkar shared their views on the respective fields. Experience of placed students also shared with the students and the seminar reached to its destination after Q&A session.

Photographs of the Event/Activity



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Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
10.	25 th	2018	April	3:15 p.m. - 4:30 p.m.	B517	Felicitation Ceremony and launch of 'Periscope'

Report of event/ activity

Event: Felicitation Ceremony and launch of 'Periscope'

EESA Council organised the annual felicitation of the department along with the launch of 'Periscope' on 26th April 2019. The started around 03:15 p.m. with the reveal of second printed edition of the technical magazine 'Periscope 218-19' by H.O.D. Dr. Jagannath Nirmal in presence of our alumnus Ms. Dharana Nar. Many students were felicitated for their academic achievement and social activities. A special award was given to "The Best Outgoing Student" for the academic year 2018-19, Soham Kulkarni. His parents were also invited to his witness this and their speech for the attendees marked the halt of the event.

Photographs of the Event/Activity

