

Annual Report

KJSCE Code Cell (2018 - 2019)

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

Name of the organization/ chapter/ project: KJSCE Codecell
List of Members/ Details of Committee: 2018 - 2019

Sr. No.	Name of the Faculty advisor/ in-charge	Department/Year	Portfolio
1.	Grishma Sharma	Computer Engineering	Faculty coordinator
2.	Dipti Pawde	Information Technology	Faculty coordinator

Sr. No.	Student Name	Department/Year	Portfolio
1	Chirag Shetty	Computer Engineering/TY	Committee Head
2	Nishchith Shetty	Computer Engineering/TY	Committee Head
3	Neel Shah	Computer Engineering/TY	Technical Team Head
4	Shivam Pawase	Computer Engineering/TY	Technical Team Head
5	Tushar Kadam	Computer Engineering/TY	Technical Team
6	Devansh Solanki	Computer Engineering/TY	Technical Team
7	Akshay Padte	Computer Engineering/SY	Technical Team
8	Rushang Gajjal	Computer Engineering/SY	Technical Team
9	Sana Pagarkar	Information Technology/SY	Public Relations Officer
10	Hetal Kuvadia	Computer Engineering/SY	Public Relations Officer
11	Shivaneer Jaiswal	Computer Engineering/TY	Creative Team
12	Sangram Desai	Computer Engineering/TY	Creative Team
13	Dhruvi Vadalial	Computer Engineering/TY	Coordinators
14	Karan Sheth	Computer Engineering/SY	Coordinators
15	Aditya Prajapati	Computer Engineering/SY	Coordinators

Photo of members/ committee: 2018 - 2019



Sr No.	Date	Month	Year	Time	Venue	Description of Activity
1	30,31	July	2018	5:15 PM to 7:15 PM	B215,216	Standard Container Libraries in C++/JAVA/PYTHON
2	13	August	2018	12:30 PM to 1:15 PM	B113	Handover Ceremony
3	14	August	2018	5:15 PM to 7:15 PM	B113	Discovering Computer Science MeetUp
4	6,7	September	2018	5:15 PM to 7:15 PM	B215,216	Introduction to Programming With python
5	8,9	September	2018	10:00 AM to 10:00 PM	Online	KJSCE CodeCell Practice Round 1
6	18	September	2018	5:15 PM to 7:15 PM	B215,216	ICPC (International Collegiate Programming Contest), Meetup
7	30	September	2018	7:30 PM to 10:30 PM	Online	KJSCE CodeSpree coding context
8	6	October	2018	11:00 AM to 6:00 PM	B110	KJSCE Crackathon coding competition
9	5,6	October	2018	9:00 AM to 6:00 PM	B507,B517	KJSCE Hackathon

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

10	16	October	2018	5:15 PM to 7:15 PM	B215,216	Introduction to Open Source technologies
11	25,26	January	2019	5:15 PM to 7:15 PM	B215,216	Two days workshop on Progressive Web Apps
12	12,13	February	2019	5:15 PM to 7:15 PM	B113	Two days workshop on Introduction to Algorithms
13	23	March	2019	10:30 PM to 4:30 PM	B113	One day workshop on ChatBot Bootcamp
14	4,5	April	2019	5:15 PM to 7:15 PM	B215,216	Two days workshop on Graph Algorithms Made Easy
15	14	April	2019	5:15 PM to 7:15 PM	B215,216	KJSCE Coding Challenge

Reports of event/ activity

Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
1.	30,31	2018	July	5:15 pm to 7:00 pm	B215,216	Standard Container Libraries

Details of participation in the event/activity
(Fill wherever is applicable or information is available. At least total need to fill)

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						65

Report of event/ activity

Event: Standard Container Libraries

In this workshop, we taught the students some basic containers of STL, in all three languages, which will help them extensively in solving programming questions in various programming contests. It was a hands-on workshop where students were guided through solving three problems on codechef. From the feedback received, everyone in attendance seemed to like our approach to how the workshop was conducted, the content covered and the reference material provided after the workshop.

Sample Photographs of the Event/Activity

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



Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
2.	14th	2018	August	12:30-1:15	B-113,114	Handover Ceremony

Details of participation in the event/ activity
(Fill wherever is applicable or information is available. At least total need to fill)

No. of students/ faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						Members of Codecell council 17-18 & 18-19 and faculty in-charges
SY						
TY						
LY						
No of Faculty						

Report of event/activity

Event: Handover Ceremony

The handover ceremony of KJSCE Codecell, wherein the baton was passed on from the previous year's council members to this year's council members. The past year's council heads recounted their experience of the past year and this year's council heads shared their aims and goals that want this year's council to achieve. After taking a few photos, to be saved as memorabilia for this year's handover ceremony, all students and faculty members attending dispersed to fulfill their respective responsibilities.

Details of prizes (wherever applicable fill all the entries)

Sr. No.	Name of the student	Department/Year	Details of prize won	Remarks
1	--	--	--	--

Sample Photographs of the Event/Activity

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



Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
3.	14th	2018	August	4:45-7:30	B113,114	Panel Session

Details of participation in the event/ activity
(Fill wherever is applicable or information is available. At least total need to fill)

No. of students/ faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						150
SY						
TY						
LY						
No of Faculty						--

Report of event/ activity

Event: Panel Session

The panel session was held in order to help students solve their doubts and bust some of the myths related to common topics in the field of computer science. The objective of the panel session was also to provide help and guidance to students wanting to explore new fields. Our panelists were Yash Nisar, Gaurav Sen, Chirag Jain. All the students were able to get some of their doubts solved and the panelists were impressed with our efforts for organizing the session. The panel session ended with a vote of thanks and the panelists were given a letter of appreciation and a memento, to thank them for taking out the time to come to our event, to answer the questions that the students had.

Details of prizes (wherever applicable fill all the entries)

Sr. No.	Name of the student	Department/Year	Details of prize won	Remarks

--	--	--	--	--
----	----	----	----	----

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
4.	6th-7th	2018	September	5:30 PM - 8:00 PM	B - 115, 116, 117, 215, 216, 217, 315, 316, 317	Introduction to programming

Details of participation in the event/ activity
(Fill wherever is applicable or information is available. At least total need to fill)

No. of students/ faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						200
SY						
TY						
LY						
No of Faculty						--

Report of event/ activity

Event: Introduction to programming

This workshop was held to introduce the FEs to our council and to introduce them to competitive coding. Almost 250 students registered and 200 showed up on the first day. The topics covered:- I/O, variables, looping (for and while loop) and conditional block (if-elif-else), lists and functions. We explained the concepts and the syntax, and then asked them to execute simple code blocks related to the topic covered to ensure that they would understand and remember the syntax. The workshop was a huge success taking into consideration the turnout on both the days and the positive response that we got from the students during the workshop and the feedback forms that they were asked to fill up.

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

Details of prizes (wherever applicable fill all the entries)

Sr. No.	Name of the student	Department/Year	Details of prize won	Remarks
--	--	--	--	--

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
5.	8th-9th	2018	September	12:00 noon, 8th - 12:00 noon, 9th	Online	KJSCE Practice Round - 1

Details of participation in the event/ activity
(Fill wherever is applicable or information is available. At least total need to fill)

No. of students/ faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						100
SY						
TY						
LY						
No of Faculty						--

Report of event/ activity

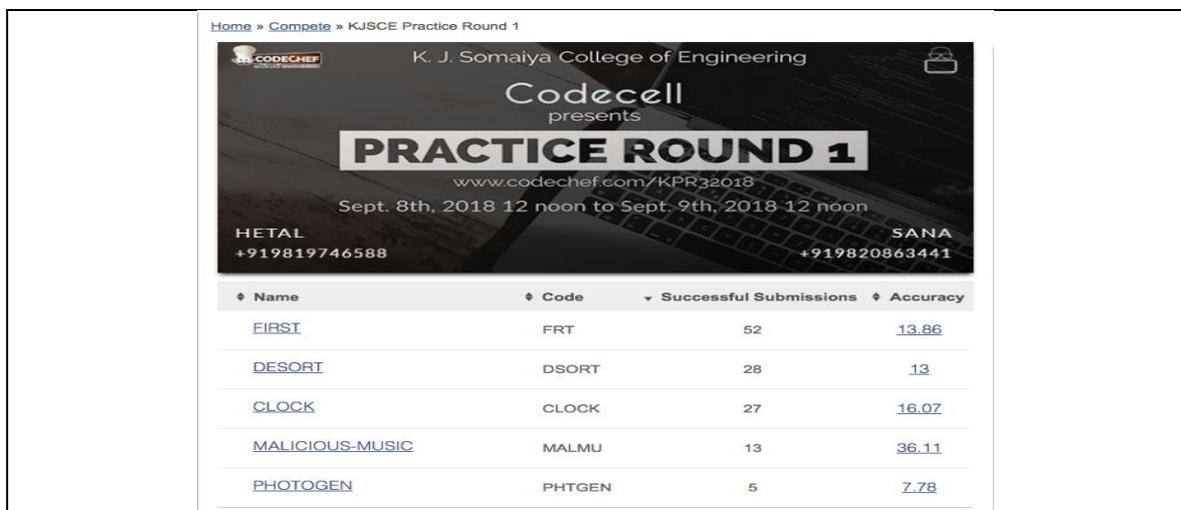
Event: KJSCE Practice Round - 1

This contest was held in order to give students an idea as to how the competitive coding platform works (for first timers) and what kind of questions might be there in interview rounds for placement. All questions in the contest were created, tested and updated, and given editorials for by members of KJSCE Codecell. After the contest was thrown open to the masses, the Codecell team monitored the discussion forums and other places of contact to solve the doubts of students and to make any changes to the questions or add hints if they felt the need arose. Once the contest was done, they uploaded the editorials to help the students that had been unable to solve the question, understand where they went wrong and what they had missed. After a grueling 2 days, the council members announced the winners. The feedback received for the contest problems and the way it was conducted was very positive, making the contest a huge success.

Details of prizes (wherever applicable fill all the entries)

Sr. No.	Name of the student	Department/Year	Details of prize won	Remarks
--	--	--	--	--

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
6.	18th	2018	September	5:30 pm - 6:30 pm	B - 111	ICPC meet-up

Details of participation in the event/ activity
(Fill wherever is applicable or information is available. At least total need to fill)

No. of students/ faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						20
SY						
TY						
LY						
No of Faculty						--

Report of event/ activity

Event: ICPC Meetup

This event was held to promote and explain ICPC competition, which is considered as "Olympics of Programming Competitions", its benefits and everything else to do with it. Overall, the meetup was great success and every student expressed a desire to enroll in the competition. We had around 20 teams from college participating in the regionals, with many teams contesting for 2 regionals.

Details of prizes (wherever applicable fill all the entries)

Sr. No.	Name of the student	Department/Year	Details of prize won	Remarks
1	--	--	--	--

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
7.	30th	2018	September	9:00 pm - 12:00	Online	KJSCE

				midnight	Codespree
--	--	--	--	----------	-----------

Details of participation in the event/ activity
(Fill wherever is applicable or information is available. At least total need to fill)

No. of students/ faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						300
SY						
TY						
LY						
No of Faculty						--

Report of event/ activity

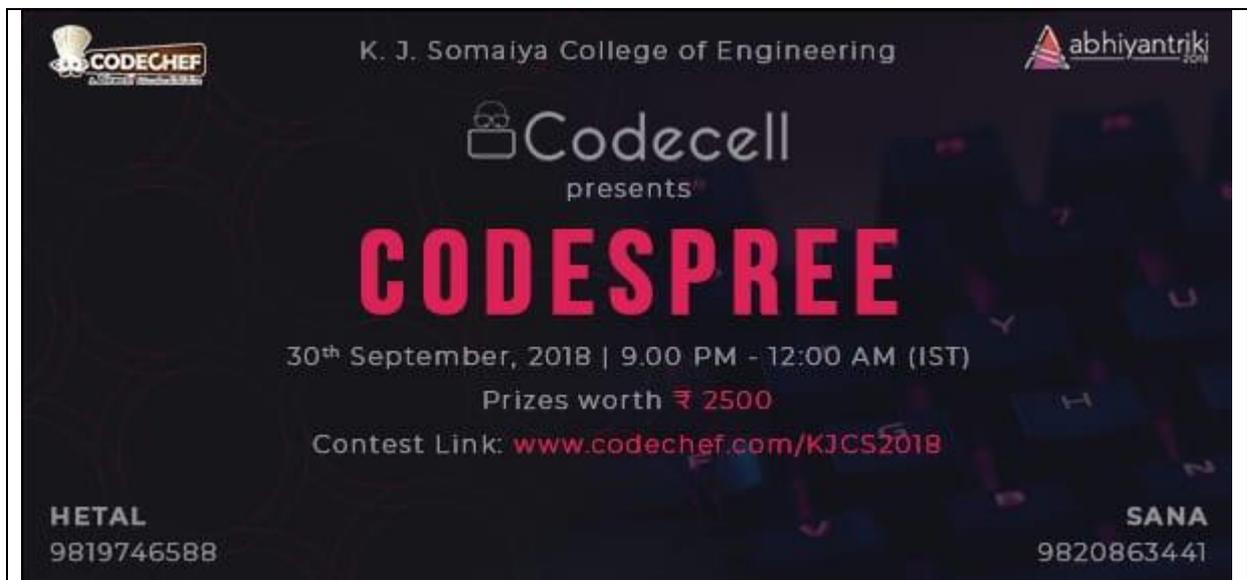
Event: KJSCE Codespree

This was held as a pre-event to all the Abhyantriki events that would be held by KJSCE Codecell. It was a 3 hour long coding competition whose winners would get direct entry to crackathon and cash prizes. All the questions for the codespree were created, tested and editorialized by members of KJSCE Codecell. This contest was hosted on codechef. This was a good practice session for students that want to participate coding events in Abhyantriki.

Details of prizes (wherever applicable fill all the entries)

Sr. No.	Name of the student	Department/Year /Institution	Details of prize won	Remarks
1	Himanshu Gupta	IITB	1500	Overall Winner
2	Atharva Gole	KJSCE	500	KJSCE Winner

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
8.	6th	2018	October	10:00 am - 6:00 pm	B-110	KJSCE

Details of participation in the event/ activity
(Fill wherever is applicable or information is available. At least total need to fill)

No. of students/ faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						Approx. 50
SY						
TY						
LY						
No of Faculty						

Report of event/ activity

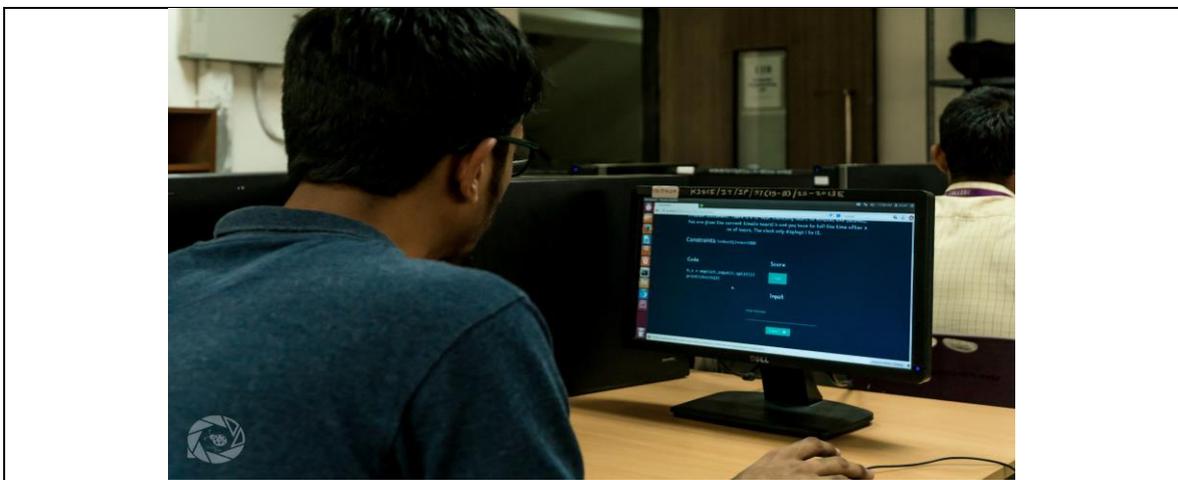
Event: KJSCE Crackathon

This event was held to promote competitive coding in all participating colleges. The event had 3 rounds. All the problems in the competition were created, tested and given editorials for by KJSCE-Codecell members. The event was hosted on Codechef. The contest ended and the winners were declared. The competition was wrapped up after the prize distribution ceremony.

Details of prizes (wherever applicable fill all the entries)

Sr. No.	Name of the student	Department/Year/Institution	Details of prize won	Remarks
1	Akshay Kotak Jay Gala	KJSCE	4000	1st
2	Darshan Bari	Pune Institute Of Computer Technology	2500	2nd
3	Prafful Javare Divya Khetan	KJSCE	1500	3rd

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/ Date	Year	Month	Time	Venue	Description of Activity
-----------------------------	-----------	------	-------	------	-------	-------------------------

K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

9.	5th-6th	2018	October	11:00 am, 5th - 5:00 pm, 6th	B - 507,517	KJSCE Hackathon
----	---------	------	---------	------------------------------	-------------	-----------------

Details of participation in the event/ activity
(Fill wherever is applicable or information is available. At least total need to fill)

No. of students/ faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						200
SY						
TY						
LY						
No of Faculty						--

Report of event/ activity

Event: KJSCE Hackathon

This was the 3rd edition of the KJSCE Hackathon conducted by CodeCell. This was started with the intention of promoting software development in our college and others. The students registered themselves and then at 12, after the introductory speech and the distribution of problem statements per team according to their choices, the hackathon began. The students created their softwares by 12 noon, 6th October, they had to submit their projects for evaluation. Evaluation consisted of creating a 2-minute ppt that was to be presented to the judges. These judges would then shortlist about 15 teams to move onto the 2nd round of evaluation. After lunch, the 2nd round of evaluation commenced. The teams had to present a 7 minute ppt and the judges would then decide the winners of the hackathon and other categories that had been announced. The winners were announced, the awards were given and after a few speeches by the judges and the vote of thanks by a codecell member, the hackathon was officially over.

Details of prizes (wherever applicable fill all the entries)

Sr. No.	Name of the student	Department/Year	Details of prize won	Remarks
1	Team Volatile	Veermata Jijabai Technological Institute, Mumbai	15000	1st
2	Team Anton	M. H. Saboo Siddik College of Engg.	10000	2nd

Sample Photographs of the Event/Activity

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



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

Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
10.	16th	2018	October	5:15 pm onwards	B-215, 216, 217	Introduction to Open Source

Details of participation in the event/ activity
(Fill wherever is applicable or information is available. At least total need to fill)

No. of students/ faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
FY						50
SY						
TY						
LY						
No of Faculty						--

Report of event/ activity

Event: Introduction to Open Source [KJSCE Hacktoberfest]

This event was held to promote Open Source Software development among KJSCE students and to provide a guide as to how to go about it. The students interested in learning about GitHub and Hacktoberfest showed up for the workshop. First, GitHub was introduced to them. All its functionalities and abilities were discussed. They were then introduced to Git. After Git was done, they were told about Hacktoberfest, how to enroll and what to do once you're enrolled.

Details of prizes (wherever applicable fill all the entries)

Sr. No.	Name of the student	Department/Year	Details of prize won	Remarks
--	--	--	--	--

Sample Photographs of the Event/Activity



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

Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
11.	25th & 26th	2019	January	5:15pm to 7:15pm	B-building labs	Progressive Web Apps

Details of participation in the event/activity
(Fill wherever is applicable or information is available. At least total need to fill)

No of students / faculty	COM P	ETRX	EXTC	IT	MECH	Total no of participants
Inhouse+ Other Colleges						100

Report of event/ activity

Event: ChatBot Bootcamp

CodeCell conducted a workshop for the students of KJSCE. The workshop was an introduction to PWAs, an up and coming technology in the field of web development. On the first day, the students were introduced to and explained the basics of PWAs and on the second day, they created their own PWAs. An overall feedback was taken from the attendees which was quite positive.

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
12.	12th & 13th	2019	February	5:15pm to 7:15pm	B-building labs	Intro to Algorithms

Details of participation in the event/activity
(Fill wherever is applicable or information is available. At least total need to fill)

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
Inhouse+ Other Colleges						70

Report of event/ activity

Event: Fundamentals of Algorithms

CodeCell conducted a workshop for the students of KJSCE. The workshop was a basic introduction to the fundamentals of Algorithms and an introduction to competitive coding. We explained concepts such as complexity, binary search and other basic concepts. After explaining the concepts, we asked the students to solve certain sums from the codechef platform to practice the concepts we'd explained. An overall feedback was taken from the attendees which was quite positive.

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
13.	23rd	2019	March	10:30am to 5:15pm	B-building labs	ChatBot Bootcamp

Details of participation in the event/activity
(Fill wherever is applicable or information is available. At least total need to fill)

No of students / faculty	COM P	ETRX	EXTC	IT	MECH	Total no of participants
Inhouse+ Other Colleges						135

Report of event/ activity

Event: ChatBot Bootcamp

CodeCell conducted a workshop for the students of KJSCE as well as other college students for the very first time .A demo registration bot was deployed on the KJSCE-Codecell Facebook page to give an idea to the attendees of the type of bot to be taught during the workshop. The workshop saw 200 registrations done via this bot and almost 130 such bots were deployed during the workshop in a similar fashion. The bots were deployed on the Messenger platform. Different technologies like python-flask, Ngrok, Dialogue Flow, Heroku were taught. At the end an e-certificate was given depending on the score in the online MCQ test. An overall feedback was taken from the attendees which was quite positive.

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
14.	4th & 5th	2019	April	5:15pm to 7:15pm	B-building labs	Graph Algorithms Made Easy

Details of participation in the event/activity
(Fill wherever is applicable or information is available. At least total need to fill)

No of students / faculty	COMP	ETRX	EXTC	IT	MECH	Total no of participants
Day1						60
Day2						40

Report of event/ activity

Event: Graph Algorithms

CodeCell conducted a workshop for the students of KJSCE. The workshop was on introduction to graph algorithms like bfs, dfs etc. The workshop began with simple introduction on how to represent a graph and access it's different nodes. By the end of Day1 we taught Breadth first search and solved one problem related to the same on codechef. On the second day, depth first search was introduced and we solved some advanced level problems related to the same on Codechef.

Sample Photographs of the Event/Activity



Sr. No. of Event / Activity	Day/Date	Year	Month	Time	Venue	Description of Activity
15.	14th	2019	April	9:00pm-12:00pm	Codechef	KJSCE Coding Challenge

Details of participation in the event/activity
(Fill wherever is applicable or information is available. At least total need to fill)

No of students / faculty	COM P	ETRX	EXTC	IT	MECH	Total no of participants
Online						280

Report of event/ activity

Event: KJSCE Coding Challenge

We here at Codecell hosted an online coding competition open for the brainiacs across the globe. This competition witnessed tremendous participation by a lot of curious students across varied institutions spanning the globe. The top three performers were awarded with laddus from Codechef with which many fabulous goodies can be bought. The top performer across India received 2000₹/- and 1000₹/- cash and from our college received 500₹/- and 500₹/- for First year winner.

Sample Photographs of the Event/Activity

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

Over All Winners

1. Vivek Chauhan([vivek_1998299](#)), India (Veermata Jijabai Technological Institute, Mumbai)
2. Steven Mai([smhx](#)), Canada (University of Toronto Schools Toronto,Canada)
3. Abdullah Aslam([abdullah768](#)), India (Shree LR Tiwari College of Engineering, Thane)

KJSCE Winner

Atherva Gole([atharva456](#)), TY Comps

KJSCE FE Winner

Kevin Shah([kevin_shah](#)), FY Comps