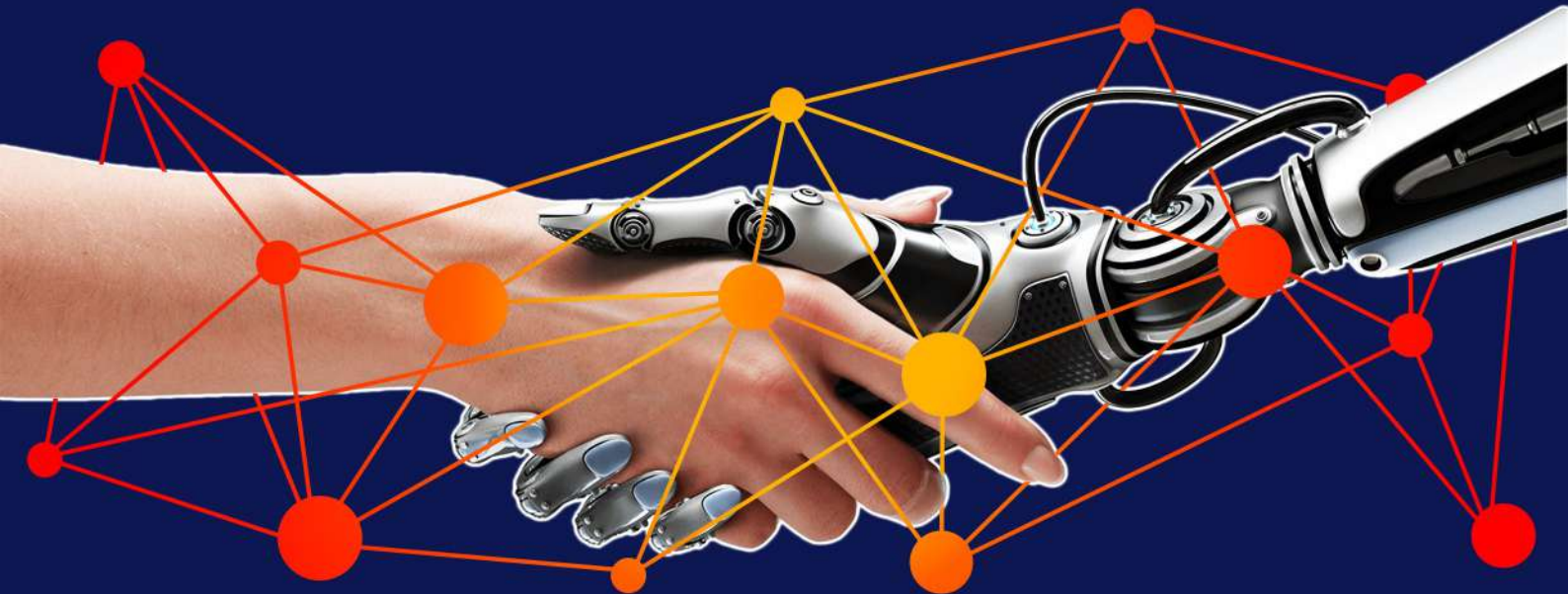




MAHAVIR EDUCATION TRUST'S  
**SHAH & ANCHOR KUTCHHI  
ENGINEERING COLLEGE**  
CHEMBUR, MUMBAI-88



# PERCEPTRON

COMPUTER ENGINEERING DEPARTMENT  
2017-18

## **VISION**

To develop computer engineering graduates with engineering and managerial skills to acquire high end positions that are globally recognized.

## **MISSION**

To impart computer engineering knowledge and to provide exposure to the latest technologies so that students can solve various engineering problems and possesses social, ethical responsibilities and have the attitude of life-long learning so as to bring about competent professionals.

## **PROGRAM EDUCATIONAL OBJECTIVES**

- To impart knowledge of fundamentals of all the courses of computer engineering so that, the students are able to analyse, design, implement and test various engineering problem from different application domains.
- To provide exposure to latest technologies and adequate training to work as a team to inculcate among the student's social responsibilities and respect towards society by creating societal environment.
- To promote student awareness on the lifelong training and introduce them to professional ethics and code of professional practices.

# [ HOD'S DESK ]

Dear Readers,

The Departmental magazine PERCEPTRON brings out different initiative taken up by faculties and the students of our department. This is yet other beautiful edition of the magazine which presents detailed information about the departmental activities throughout the year.

To enhance the software skills of the students, department has organised hands-on training sessions on new technologies through different professional bodies.



Faculty development programs provides with knowledge about latest technologies to the faculty members. We have conducted many such programs throughout the year. Many faculty members have attended seminars organised by other institutes. R programming and Python have flourished industry, catching an eye in curriculum, accordingly the Short Term Training Program of Data Analytics using Python and R was held to enhance teaching skills of faculty members.

Many of our students and faculty members participated in Massive Open Online Courses (MOOC) offered by IITs like NPTEL and Spoken Tutorials, receiving splendid scores. “Perceptron” enlightens about information on such initiatives. An event of Webathon teaching WordPress, taught students to launch website on their own.

The second edition of the Technology Conclave “Pixel” has received astounding response from student community of various colleges. US Consulate General has conducted session on “Entrepreneurship and Opportunities of Study in US” for apprising students through the process of higher studies and future in business.

# EDITOR'S DESK

It gives me bliss to bring you the issue of PERCEPTRON for academic year 2017-18, the departmental magazine of Computer Engineering, Shah and Anchor Kutchhi Engineering College. The name and fame of an institute depends on the competence and accomplishments of the students and faculty members.



The role of a teacher is to be an architect in nurturing the skills and talents of students. This magazine is a platform to exhibit various activities, of which students and faculty members have organized, attended and excelled in.

Perceptron presents the achievements of students and contributions of teachers.

My team would like to place on record the gratitude and heartfelt thanks to all those who have contributed to make this effort a success. We profusely thank the management for giving support and encouragement. With support and guidance of our Principal, we have been able to meet up the potential towards exclusivity. I thank Head of Department, Computer Engineering, to give me the opportunity to be a part of publication team. Last but not the least I am thankful to all the authors who have sent their articles.

Best regards,

Tina Maru

Chief Editor—Perceptron.

[tina.maru@sakec.ac.in](mailto:tina.maru@sakec.ac.in)

# FACULTY LIST

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3	MR. UDAY K. BHAVE	I/C HOD, ASSOCIATE PROFESSOR	B.E(ELEX), M.E(COMP)
4	DR. JAI PRAKASH SINGH	ASSOCIATE PROFESSOR	PhD in Technology
5	DR. REKHA RAMESH	ASSOCIATE PROFESSOR	M.E(COMP), PhD in Technology
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7	MS. PINKI VISHWAKARMA	ASSOCIATE PROFESSOR	M.E(COMP), PhD in Technology Pursuing
8	MS. SHAHZIA SAYYAD	ASSISTANT PROFESSOR	B.E(COMP), M.Tech(COMP)
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10	MR. MANOJ DHANDE	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
11	MR. MILIND KHAIRNAR	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
12	MR. SHASHIKANT RADKE	ASSISTANT PROFESSOR	B.E(COMP), M.Tech(COMP)
13	MS. SONALI BHUTAD	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
14	MS. VAISHALI CHAVAN	ASSISTANT PROFESSOR	B.E(COMP), M.Tech(COMP)
15	MS. PALLAVI DESHMANE	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
16	MS. BHAKTI SONAWANE	ASSISTANT PROFESSOR	M.E(COMP), PhD in Technology Pursuing
17	MS. DEEPSHIKHA CHATURVEDI	ASSISTANT PROFESSOR	B.E(COMP), M.E(I.T)
18	MS. SHILPA KALANTRI	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
19	MS. KARUNA BORHADE	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
20	MR. AMOL DHUMAL	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
21	MS. TINA MARU	ASSISTANT PROFESSOR	B.E(COMP), M.E(I.T)
22	MS. DHARA KALOLA	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
23	MS. JAYA ZALTE	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
24	MS. DIPTI PAWAR	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
25	MS. RUPALI KALE	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
26	MR. TEJAS HIRAVE	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
27	MS. MONIKA KANOJIYA	ASSISTANT PROFESSOR	B.E(COMP), M.Tech(COMP)
28	MS. SARIKA RANE	ASSISTANT PROFESSOR	B.E(COMP), M.E(I.T)

# [ FACULTY LIST ]

Sr. No	Name	Designation	Qualification
29	MS. DEEPTI NIKUMBH	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
30	MS. VAISHALI HIRLEKAR	ASSISTANT PROFESSOR	B.E(COMP), M.E(COMP)
31	MR. ATUL KACHARE	ASSISTANT PROFESSOR	B.E(COMP), M.E(I.T)
32	MS. KRUPA CHOTAI	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(COMP)
33	MR. ARUN SAKLANI	ASSISTANT PROFESSOR(Ad-hoc)	B.TECH(COMP), M.TECH (COMP)
34	MS. DHANASHREE THAKUR	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(COMP)
35	MS. SARIKA SHRIVASTAVA	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(COMP)
36	MR. PRAKASH PARMAR	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(COMP)
37	MS. DEEPA EKHANDI	ASSISTANT PROFESSOR(Ad-hoc)	B.E(I.T), M.E(I.T)
38	MS. SONAL RAUT	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.TECH(COMP)
39	MS. SHWETA PATIL	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(COMP)
40	MS. REKHA MORE	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(COMP)
41	MS. RADHIKA FULZELE	ASSISTANT PROFESSOR(Ad-hoc)	B.E(CSE), M.E(COMP)
42	MS. SNEHAL SHEWALE	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(COMP)
43	MR. PRADIP MANE	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(I.T)
44	MS. PRIYANKA GHULE	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(COMP)
45	MS. PRIYANKA SHENDE	ASSISTANT PROFESSOR(Ad-hoc)	B.E(IT), M.E(WC & C)
46	MS. ARCHANA SALASKAR	ASSISTANT PROFESSOR(Ad-hoc)	B.E(COMP), M.E(COMP)

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Sr. No	Name	Designation	Qualification
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2	MS. ANITA BHOSALE	LAB ASSISTANT	A.M.I.E(COMP), M.E(IT) Pursuing
3	MS. RUPALI PATIL	LAB ASSISTANT	A.M.I.E(COMP), M.E(COMP)Pursuing
4	MS. RAJSHREE DHUMAL	LAB ASSISTANT	DIPLOMA(COMP), A.M.I.E(COMP)
5	MS. POOJA RODE	LAB ASSISTANT(Ad-hoc)	DIPLOMA(COMP),B.E(IT)
6	MR. NILESH RANE	LAB ASSISTANT(Ad-hoc)	MCA
7	MS. RUPALI HAGWANE	LAB ASSISTANT(Ad-hoc)	DIPLOMA(ELECTRONICS)
8	MR. TUSHAR CHAUDHARI	LAB ASSISTANT(Ad-hoc)	B.E(COMP)
9	MR. KRISHNA KORI	LAB ASSISTANT(Ad-hoc)	DIPLOMA(COMP)

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# DATA ANALYTICS USING PYTHON & R

Data Analytics (DA) is the process of examining data sets in order to draw conclusions about the information they contain, increasingly with the aid of specialized systems and software. Data Analytics technologies and techniques are widely used in commercial industries to enable organizations to make more-informed business decisions and by scientists and researchers to verify or disprove scientific models, theories and hypotheses. In view to understand this, the Department organized a Short Term Training Program on “Data Analytics with Python and R” from 1st January, 2018 to 6th January, 2018. The faculty members and students participated in the program.



The event was inaugurated by our Principal - Dr. Bhavesh Patel in the presence of Vice Principal - Dr. Vinit Kotak, I/C HOD - Mr. Uday Bhave and Chief guest - Dr. Pradeep Pendse, Dean, E-Business/Business Design, WE School. In his speech Dr. Bhavesh Patel motivated the participants for studying data analytics and learning languages like R and Python. Dr. Vinit Kotak also said that data analytics is one of the most important field for research in next few years. At the end of inauguration ceremony, Mr. Uday Bhave felicitated Dr. Pradeep Pendse and expressed his gratitude for delivering an information and inspiring keynote speech.



The keynote speech was delivered by Dr. Pradeep Pendse, wherein he introduced the participants to data science and data analytics. He explained the importance of this field for doing business in the Internet era. He introduced the Gartner Hype Curve for emerging technologies. He also covered robotic process automation, application opportunities, types of analytics, types of data. He explained the importance of context when developing recommendation systems. He further explained sense and response, business rules and knowledge representation.

# DATA ANALYTICS USING PYTHON & R

In the afternoon session Mr. Jayanthi Gokhale, Director, Intellys Application Solutions Pvt. Ltd., introduced the participants to Python programming language. He conducted a hands-on session and taught installation and basic features of Python.

The second day started with the session by Dr. Sasikumar M., Director, CDAC, Mumbai on "Learning Analytics". He explained SOLAR (Society for Learning Analytics Research), predictive and explanatory analytics, problem classes, feature analytics, text analysis, context analytics, learning resource based analytics and emotion analytics. He also explained ethics and privacy and tools.



The next session Predictive Analytics with Python (Hands-on Session) was conducted by Mr. Jayanthi Gokhale. He explained as well as conducted a hands-on-session on Data Structures in Python, list methods, tuples in Python, tuple functions, sets and directory.

# DATA ANALYTICS USING PYTHON & R

The third day started with the session on “Educational Data Mining” was conducted by Dr. Rekha Ramesh, Associate Professor, SAKEC, Chembur. The session began with the peer-to-peer discussion activity on Educational Data Mining. She explained various examples of active learning strategy. She also covered the different group of users, types of educational environment, type of data and few applications related to EDM. She further explained the application areas of EDM, analysis & visualization of data, providing feedback, student modelling and developing concept maps.



The session was followed by Dr. M. Vijayalakshmi, Vice Principal, VESIT, Chembur which focused on “Social media & data analytics”. The session commenced with the basics of social media, different examples and the main characteristics of social media. Further

in social media she discussed different types of social networks and different communities in social networks. We also got an overview on “Financial data Analytics”. She discussed the important applications of financial data analytics, Automated Risk credit Management, Real Time Analytics, Predictive Analytics, Supervised Classification techniques, Regression and data transformation.

The next session on “Transforming the Telco Business using Analytics” was conducted by Mr. Vishwanath Shekhar, Deputy General Manager- OSS, TCTS. His focused on the different challenges in the telecom industry and how these challenges can be overcome to some extent by using predictive analysis.

# DATA ANALYTICS USING PYTHON & R

The fourth day started with the session on “Learning Analytics (Demo Session)” was conducted by Mr. Jayakrishan M, Research Scholar, IIT Bombay.

The afternoon session was on Basics of ‘R’ by Prof. Uday Bhave in which he covered topics on basic syntax till graphs in R programming.

The fifth day started with the session on “Recommender system using PYTHON” was conducted by Dr. Subhash Shinde. He explained the need & importance of recommender system in today’s world. He explained how the recommendation systems are used for prediction. He also explained Recommendation system types like content-based, collaborative system & hybrid systems. He discussed the limitations of recommendation systems like cold-state problem, scalability problem, first rating problem & poor understanding of users. He also discussed the case study on Clustering Bunching based clustering algorithm which is used for Hybrid personalized recommender system.

The session was followed by a discussion by Dr. Kuldeep Kurte, Research Associate, IIT Bombay on “Basics of Probability and Statistics”.

The event was coordinated by Prof. Vaishali Chavan and Prof. Bhakti Sonawane in association with ISTE, SAKEC. They also thanked the speakers for delivering informative sessions. After the vote

of thanks the speakers were felicitated and participants were awarded the certificates of participation.



# US CONSULATE

"Entrepreneurship and Studying in U.S." session was informative and interactive, this event was organised by Computer Engineering Department at Shah and Anchor Kutchhi Engineering College on 25th October, 2017.

Session was inaugurated in the presence of Chairman, Shri Keshavjibhai Chhadva, Managing Trustee, Shri Navinbhai Shah, Trustee-Hon.Jt Secretary, Shri Mansukhbhai Shah, Principal, Dr. Bhavesh Patel, Vice Principal Dr. Vinit Kotak, I/C HOD Prof. Uday Bhave, Assistant Cultural Affairs Officer, Mr. Jonathan, Education USA Advisor Ms. Tanushka Bali, U.S. University alumnus Mr. Rusabh Shah.



Mr. Rusabh Shah shared his experience about his entrepreneurial journey, talked about how studying in U.S. helped to shape his path to establishing a successful start-up, which encouraged the students. Ms. Tanushka Bali explained procedure about "How to apply for studying in U.S." in detail. She also cleared all the doubts that students had raised regarding the procedure.

At the end of session Dr. Vinit Kotak and Prof. Uday Bhave felicitated the guests for offering their valuable time to guide our students.



# PIXEL-TECHNOLOGY CONCLAVE

PIXEL 2018, Tech Conclave was organized by the Department on 4th April, 2018. The event was sponsored by the V-trans group and Pharmacy. It witnessed experienced professionals coming together and discussing with the students about the stories of their journeys as triumphant technocrats, entrepreneurs and dynamic personalities.

The event started off with the PIXEL team cordially inviting all the guest speakers and dignitaries. The spectacular line-up consisted of Ms. Shilpa Karkeraa (Founder of Myraa Technologies) and Mr. Avinash Goje (Technical Head - Myraa Technologies), Mr. Bhushan Trivedi (Founder- Piconergy), Mr. Rupesh Sawant (SAP analyst), Mr. Ali Mustafa (AI & Machine Learning Enthusiast), Mr. Ashok K. Shah (Chairman- V-trans) and Mr. Sanjay Pandita (Motivational Speaker) This immensely successful and impactful event was managed and co-ordinated by team PIXEL, who put together a memorable and brilliant show.

At the end of session Prof. Uday Bhave felicitated the guests for offering their immense knowledge to our students.



# PIXEL-TECHNOLOGY CONCLAVE



# INTRODUCTION TO ETHICAL HACKING

The purpose of ethical hacking is to improve the security of the network or systems by fixing the vulnerabilities found during testing. Ethical hackers may use the same methods and tools used by the malicious hackers but with the permission of the authorized person for the purpose of improving the security and defending the systems from attacks by malicious users. To shape students as ethical hackers, the Department conducted a 40 hours course on “Ethical Hacking and Digital Forensic” at Bhavna Trust’s Junior and Degree College of Arts and Science, Chembur from 21st July, 2017 to 21st August, 2017.



The course was intended for students who desired to learn about cyber-crime investigation. The students were able to understand the precautionary measures to be taken to secure personal computers and enhance the cyber security of the organizational computer network. Engaging in this course made the students aware of the risk of cyber frauds and the protection mechanism available against that danger. This course covered various topics related to network security and hacking techniques such as Wireshark, Encryption, Steganography, Password cracking, SQL injection attack. Lab and lecture sessions were conducted by Prof. Sonali Bhutad and Prof. Vaishali Hirlekar.



Following modules were covered during the course: Windows Investigation, Forensic Methodologies, Types of Analysis, Conducting Windows Investigation, Review Pertinent Logs, Log Investigation Tools, Performing Keyword Searches, Mining Application Software, Performing Audit Trails and Windows Registry Investigation.

# SMART INDIA HACKATHON

Our Hon'ble Prime Minister, Shri Narendra Modi, envisages a Digital India to bridge the digital divide in our country and further promote digital literacy in order to make development a comprehensive mass movement and put governance within everyone's reach in India. In order to work towards our PM's vision, MHRD, All India Council for Technical Education (AICTE), Inter Institutional Inclusive Innovation Center (i4C), and Persistent Systems organized Smart India Hackathon 2018, a unique initiative to identify new and disruptive digital technology innovations for solving the challenges faced by our country. The initiative was a huge success. To reiterate the efforts towards our PM's vision, MHRD, AICTE, i4C, and Persistent Systems is proud to propose the 2nd edition of this initiative Smart India Hackathon 2018

Till date, 45+ union ministries and departments and 18 state governments have already joined this grand initiative, making it much bigger than the previous edition. Through this initiative, govt. departments will directly engage with thousands of technical students and challenge them to build digital solutions to improve their efficiency, plug revenue leakages and corruption.

Smart India Hackathon 2018 is a non-stop digital product development competition, where problems are posed to technology students for innovative solutions. It:

- 1)Harnesses creativity & expertise of students.
- 2)Sparks institute-level Hackathon.
- 3)Builds funnel for 'Startup India' campaign.
- 4)Crowd sources solutions for improving governance and quality of life.
- 5)Provides opportunity to citizens to provide innovative solutions to India's daunting problems.
- 6)Software Edition will be 36 hour software product development competition.
- 7)The new Hardware Edition is a Hackathon where teams work for 5 straight days and build their hardware solutions. This competition would be limited to only 5 nodal centers with 20-25 teams each.

# SMART INDIA HACKATHON

From Shah and Anchor Kutchhi Engineering College, Chembur total eight teams were selected from different domains of different ministries in Software Edition, following are the details of each team:

1. Team Name – Dignitas (2nd Runner up with a prize of ₹ 50,000)

Ministry - Government of Gujarat

Team Members - Rushabh Mehta, Deep Gosalia, Vivek Gawande, Devesh Surve, Jainam Soni, Mayank Dand

Mentors - Prof. Atul Kachare, Prof. Tejas Hirave



# SMART INDIA HACKATHON

2. Team Name – Techgeeks18 (Special 2nd Runner up)

Ministry - Government of Sikkim

Team Members - Raj Patel, Hiloni Mehta, Vatsal Sheth, Monil Doshi, Dhruv Jani, Poojan Sanghavi

Mentors - Prof. Kranti Ghag, Prof. Jalpa Mehta



# SMART INDIA HACKATHON

## 3. Team Name – #MTA7

Ministry - Ministry of Tribal Affairs

Team Members - Akshaya Raghuthaman, Het Veera, Nilakshi Pokharkar, Anita Badrinarayanan, Saurabh Bhaije, Katatiya

Mentors - Prof. Manoj Dhande, Nilay Nishant



## 4. Team Name – Worrier

Ministry - Government of Pondicherry

Team Members - Vaishnavi Balachandran, Sanjil Shah, Mrunal Salunkhe, Sagar Ringe, Darsh Shah, Parth Shah

Mentors - Prof. Uday Bhawe, Prof. Prakash Parmar



# SMART INDIA HACKATHON

## 5. Team Name – D'Coders

Ministry - Students Innovation

Team Members - Tej Karani, Ankit Punamiya, Chintan Chheda, Aarti Mehra, Harshada Debnath, Siddhi Sheth

Mentors - Prof. Shahzia Sayyad, Prof. Deepshikha Chaturvedi



## 6. Team Name – Solaris

Ministry - Ministry of Water Resources, River Development and Ganga Rejuvenation

Team Members - Himani Thakkar, Raj Raval, Adit Shah, Rujul Gala, Urvi Shah, Jai Parekh

Mentors - Prof. Milind Khairnar, Prof. Santosh Gaikar





The Department is a part of local chapter for NPTEL (National Programme on Technology Enhanced Learning) which is a joint initiative of the IITs and IISc. Through this initiative, they offer online courses and certification in various topics. For year 2017-18 various courses related to computer science, mathematics, soft skills, multidisciplinary categories etc., have been offered from NPTEL .

In first half i.e. from July 2017 to September 2017, 86 candidates including students and faculties registered for various courses and for second half i.e. from January 2018 to April 2018, 85 candidates registered from Computer department.

For first half, NPTEL offered scholarship to registered candidates and based on the performance of candidates 140 candidates got approval for scholarship. In the first half 44 candidates successfully completed the courses. 2 candidates have been awarded with gold plus elite certificate ,30 have been awarded with elite and 12 have successfully completed the course. Department has given appreciation to students for their extra ordinary performance.

In second half, 11 candidates successfully completed the courses. 9 candidates were bestowed with elite certificates.

Our HOD Prof. Uday Bhawe secured 89% in the Database Management System course and was in the top 2% in this course .It was a proud moment for computer engineering department.

Faculties who registered for courses played an important role of subject mentors for students. The Ratio of mentor: student is 1:50.They Motivated the students on assignment submission, exam registration and kept a track of their mentees progress.

# [ SPOKEN TUTORIALS ]

The Spoken Tutorial project is the initiative of the 'Talk to a Teacher' activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India. It was initiated in 2010.

It is observed that learning is more effective when animation and narration are presented simultaneously. Audio-video demonstrations can illustrate features with maximum clarity. Hence, this web-based education is devised with an objective to pass on the knowledge of technology and free and open source software (FOSS) to all the people in our country.



We at Shah & Anchor Kutchhi Engineering College are a team of Professors under the leadership of our Principal collaborating with IIT Bombay to take software education to the masses and to “Bridge the Digital Divide!”. We conduct workshops and tests on various open source software available at the Spoken Tutorials website <http://spoken-tutorial.org> for our college students. On successful completion of the online test, certificates obtained from IIT are presented to the students. We began with Spoken Tutorials in 2013 with a small group of students on trial basis and since 2015 we try to cover students from all the branches and classes.

In 2017-2018, we encouraged our teaching as well as non teaching staff to participate in spoken tutorial training and test program. Staff obtaining distinction in the Spoken Tutorial exam were congratulated via Facebook message, thus encouraging further participation in large number.

From the Department, 111 students from the First Year appeared for the C language test, for which the passing percentage was 81.08%. 190 students from the Second Year appeared for the Python test, for which the passing percentage was 91.05%. Also 190 students from Third Year appeared for the Python test, the passing percentage for the same was 88.42%. From the final year, 192 students appeared for the Scilab test, the passing percentage was 69.27% and 185 students appeared for Advanced CPP for which the passing percentage was 87.57%.

# SPOKEN TUTORIALS

Prof. Jaya Fulekar was the part of the acting spoken tutorial team for the Computer Branch. Following is a brief summary of the activities of SAKEC-ST for the STAFF during academic year 2017-18:

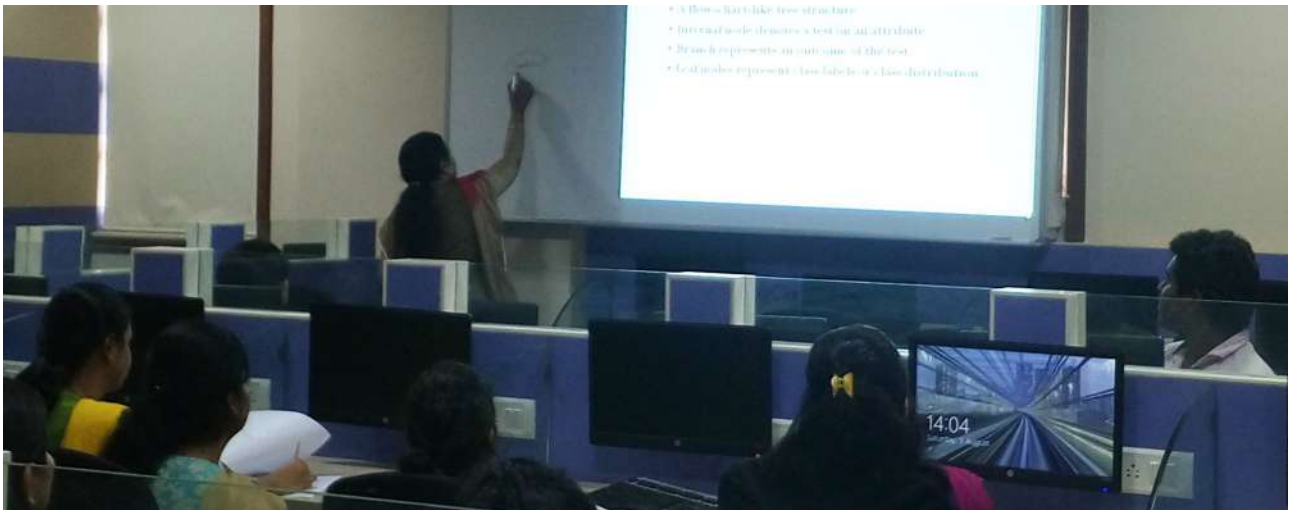
List of faculty participation

Sr.No	Name of Faculty	Course Taken
1	Deepa Ekhande	Linux Test
2	Rupali Patil	Linux Test
3	Shahzia Sayyad	LaTeX Test
4	Vaishali Tupe	Linux Test
5	Sarika Rane	Scilab Test
6	Rupali Hagavane	Linux Test
7	Monika Kanojiya	Linux Test
8	Shilpa Kalantari	Linux Test
9	Manoj Dhande	C and CPP
10	Sonal Raut	C and CPP
11	Rekha More	Linux
12	Monika Kanojiya	Python
13	Deepti Jadhav	Python
14	Krupa Chotai	C and CPP
15	Dhanashree Thakur	PHP-MySQL
16	Shweta Patil	C and CPP
17	Pradip Mane	PHP-MySQL
18	Deepa Ekhande	Python
19	Radhika Fulzele	Python
20	Rupali Kale	PHP-MySQL
21	Snehal Shewale	Python

# FACULTY DEVELOPMENT PROGRAM

## DEMYSTIFYING DATA MINING TECHNIQUES

A Faculty Development Program on “Demystifying Data Mining and Hands-on using WEKA Tool” was organized by Department on 5<sup>th</sup> August 2017. The session was conducted by Prof. Rekha Ramesh and Prof. Pinki Vishwakarma of Computer Engineering Department.



It can be used for predicting patterns, outcomes of any situation, to know user's behaviour, etc. The various fields that benefits from Data Mining includes Healthcare, Market Basket Analysis for Retailers, Education, Manufacturing, etc.

Prof. Rekha Ramesh conducted a one and half hour session that included basic concepts in Data Mining, various mining tasks and its commercial applications. A detailed real world example for each of the Data Mining tasks such as Classification, Clustering and Association Rule Mining were elaborated in the session.



Prof. Pinki Vishwakarma demonstrated an open source Data Mining tool “WEKA” and then conducted a hands-on session to implement Classification, Clustering and Association Rule Mining algorithms using WEKA. All the participants wholeheartedly participated and individually got trained in the usage of WEKA tool.

# FACULTY DEVELOPMENT PROGRAM

## TECHNICAL PAPER WRITING

A Faculty Development Program on “Technical Paper Writing” was organized by Department on 19<sup>th</sup> August 2017. Dr. Mrinal Patwardhan from Department of Electronics and Telecommunication Engineering of D. J. Sanghvi College of Engineering, Mumbai was the resource person. All the faculties of the computer department and some of the faculties of IT and Electronics engineering attended the workshop and were immensely benefitted.



The session concentrated on two aspects of technical paper writing what Methodology to adopt while writing a technical paper and what tools may be of great help while writing a paper. The most interesting part the session was that the complete process of technical paper writing was explained using a story of “Ogres and Villagers” based on S. Keshav’s paper on “Ogres, Villagers, & the Art of Writing” published in ACM SIGCOMM Computer Communication Review. The talk threw light on various sections of paper writing such as Goal of the research paper, Related work/ Literature Survey, Research Questions, Proposed Solution approach, Research Methodology, Implementation, Results, Discussion and Conclusion and also addressed the issue of plagiarism. The event concluded with felicitation of the speaker, Dr. Mrinal Patwardhan and co-ordinator, Prof. Rekha Ramesh by I/C HOD, Prof. Uday Bhawe.

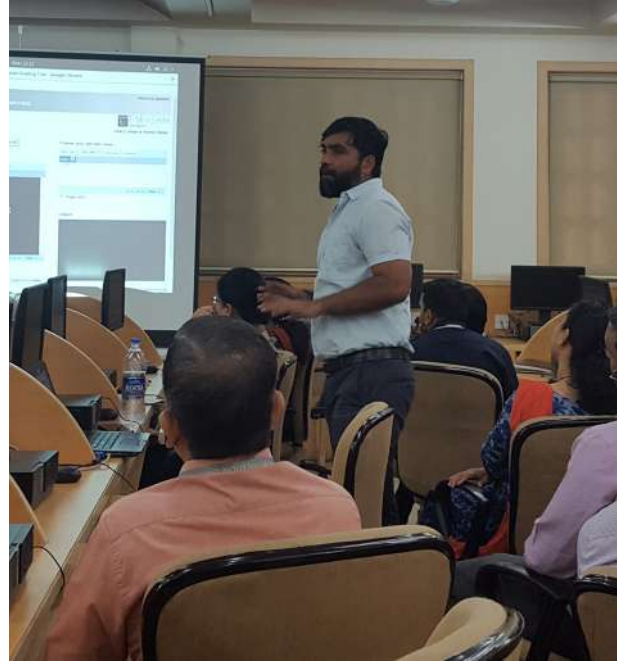


# FACULTY DEVELOPMENT PROGRAM

## PARIKSHAK– ONLINE AUTOMATIC GRADING TOOL

The Department organized a Faculty Development Program on “Parikshak – Online Automatic Grading Tool” on 17th March, 2018. Mr. Chandra Shekhar from CDAC, Navi Mumbai was the resource person. All the faculty members of the Computer Department attended the workshop and benefitted from the same.

The workshop started with an introductory lecture by Mr. Chandra Shekhar where he discussed various ways in which tool can be used in the academic setting. This was followed by demonstration of the system. Parikshak is a web based system which facilitates automated evaluation of software programs that can significantly reduce the load of the faculty, give direct feedback to student, thereby leading to efficient handling of programming assignments/exams. Parikshak allows teachers to define programming assignments systematically, allows registered students to attempt solving them online, and automatically assesses the solution. The feedback is available to the students and the faculty, for follow up and record. Using Parikshak to manage your programming component, clearly offers many advantages. The session was coordinated by Prof. Rekha Ramesh.



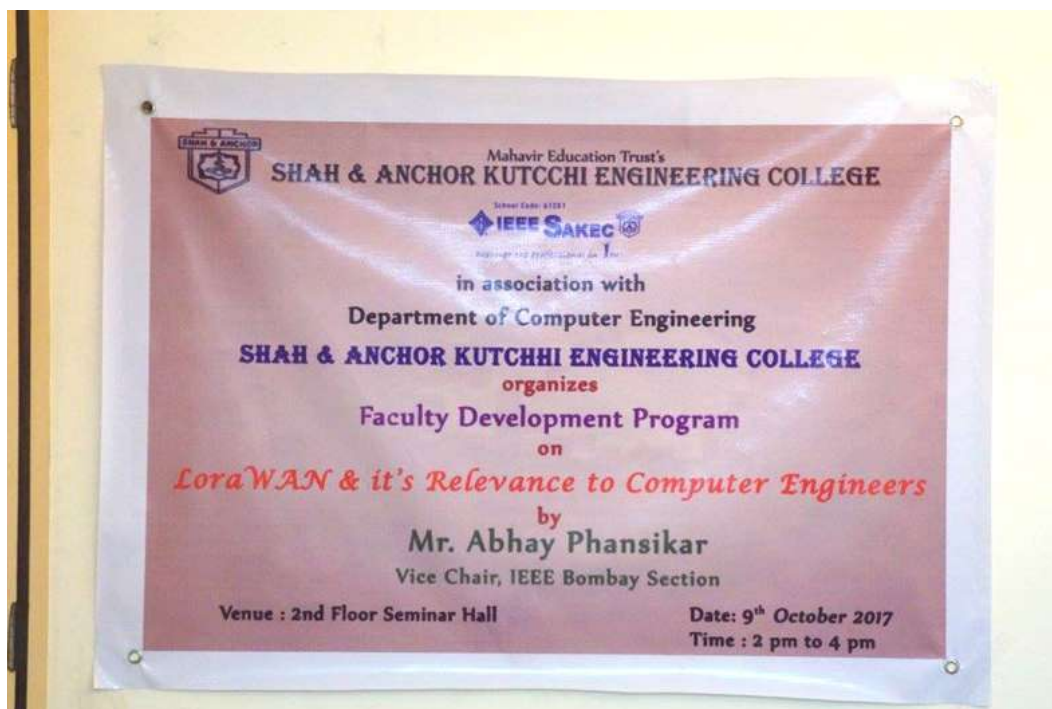
# FACULTY DEVELOPMENT PROGRAM

## LoRaWAN AND ITS RELEVANCE TO COMPUTER PROGRAM



The Department along with IEEE SAKEC organized a Faculty Development Program on "LoRaWAN & it's Relevance to Computer Engineers ". The session was conducted by Mr. Abhay Phansikar, Vice-Chair IEEE Bombay Section.

The speaker enlightened the faculties about LoRaWAN technology which can be widely used in IoT applications. Faculties got knowledge of this contemporary technology which can be useful to provide guidance to the students and also undertake live projects. With a token of appreciation from I/C HOD Prof. Uday Bhave, the session ended.



# IN COLLABORATION WITH CSI

## WEBATHON

The Department alongwith CSI and TechZilla organized an event on Webathon, where students participated in large number. Theme of the session was "Designing your own website" using WordPress. Around 140 students have taken advantage of this opportunity by participating in this mega event. Inauguration of event was done by Principal, Dr. Bhavesh Patel and Vice Principal, Dr. Vinit Kotak. Mr. Vikramank Singh, Data Scientist at Facebook was a keynote speaker for the event and other session speaker were Mr. Neel Doshi, Founder & CEO of TechZilla and Mr. Rohan Immanuel, Development Head from TechZilla Infotech. There was an Interactive session with Mr. Vikramak Singh regarding how to build carrier during engineering and shared his motivational story. Next speaker was Mr. Neel Doshi who gave brief idea about Installation & Integration of WordPress, how to build website & C-panel. After the break next session was continued by Mr. Rohan Immanuel who gave insights on Custom Designing and Website Optimization, In-depth Analysis on WordPress, Plugins and Responsive Theme Design.



During Hands on session on second day, all the students were distributed into groups of 6. Both CSI and TechZilla volunteers were present to help students and solve their queries. By the end of day top 7 teams were chosen and they gave their presentation. Judges were HOD of Computer Department and CSI staff co-ordinator. The winning teams were awarded with gifts.

# IN COLLABORATION WITH CSI

## WORKSHOP ON PHP

PHP, as a known specialized programming language, is designed for web development. To learn PHP, the department organized an event was on 12th August, 2018 taken by Prof. Pradip Mane. The event was conducted with an aim to teach students about PHP and its database connectivity so that the students could become familiar with PHP and the web technology. The topics covered were introduction to web technology, HTML and PHP concepts, Database creation using phpMyAdmin. The lecture was conducted for students of all branches by the Department and CSI SAKEC.



The complete concept was explained by using Login form where the User creates an account and sets password from using front end and the same was saved in database.

The aim of this program was to learn PHP and its database connectivity so that the students are familiar with PHP while doing their projects or any application.



# IN COLLABORATION WITH CSI

## 3D MODELING AND TEXTURING

3D modeling is the process of developing a mathematical representation of any surface of an object (either inanimate or living) in three dimensions via specialized software. The product is called a 3D model. Someone who works with 3D models may be referred to as a 3D artist. The event was held on 16th, September 2017 by Mr. Aadesh Kale. The speaker taught 3D modeling and various concepts related to Game Development like basic interface, modeling objects, texturing in Adobe Photoshop.

The event was attended by students of SAKEC and other colleges. The main objective of the workshop was to get the students acquainted with the knowledge about Autodesk 3ds Max & Adobe Photoshop for Game Development. Participants were taught about different techniques which can also be used in other fields like Architecture, Film, and motion graphics. The interactive session was also conducted after the event.



# IN COLLABORATION WITH CSI

## SCILAB

Scilab is one of the two major open-source alternatives to MATLAB, the other one being GNU Octave. Scilab puts less emphasis on syntactic compatibility with MATLAB than Octave does, but it is similar enough that some authors suggest that it is easy to transfer skills between the two systems. Scilab workshop was organized by the CSI-SAKEC.

The workshop was conducted by Prof. Deepti Nikumbh, Assistant Professor, Computer Engineering, on 27th September, 2017. The main objective of the workshop was to get the students accustomed with the basics of Scilab and its use in mathematics. The key features of workshop were to enable participants to use Scilab as calculator, variables and functions, performing numerical operations using variables, defining complex number, performing exponential and trigonometric operations on number's, solving linear and non linear equations, 2D plotting.



## INNOVATIVE PRACTICES IN TEACHING LEARNING

A two-day workshop on “Innovative practices in Teaching and Learning” was organized by CSI-SAKEC in collaboration with Department on 19th January, 2018 and 20th January, 2018 as a Pre-event of CSI Mumbai TechNext India 2018. The workshop was conducted by a team of experts from Educational Technology department, IIT Bombay, Mumbai. The workshop covered active learning techniques such as Think-Pair-Share, Peer Instruction, Flipped classrooms, Active learning with ICT. This workshop was conducted to introduce the engineering faculty to the active learning techniques and to assist them in implementing these practices into their classrooms. Many teachers from different colleges participated in this workshop.

Engineering Education has evolved over the last two decades and has become more student-centric. It has transformed role of ‘teacher’ to ‘facilitator’ with the help of effective teaching-learning practices. The research-based and learner-centered pedagogy for effectively integrating ICT in engineering education plays vital role in this transformation. The effective teaching-learning practices facilitate active engagement of students in the learning process.



# IN COLLABORATION WITH CSI

## INTERCOLLEGIATE TECHNICAL DEBATE

Inter-collegiate policy debate is a form of speech competition involving two teams of two debaters from different colleges or universities based on a resolution phrased.

An event was conducted on 3rd February, 2018 from 10:00 am to 5 pm on 7th Floor Auditorium by Prof. Rekha Ramesh, Prof. Deepshikha Chaturvedi and Co-ordinator of Speakers Club Prof. Sharmila G. The event was attended by students of SAKEC and other colleges. The main objective of the workshop was to get the students acquainted with the knowledge about Technical Debate. In this interactive session, participants were taught about different techniques of debate.

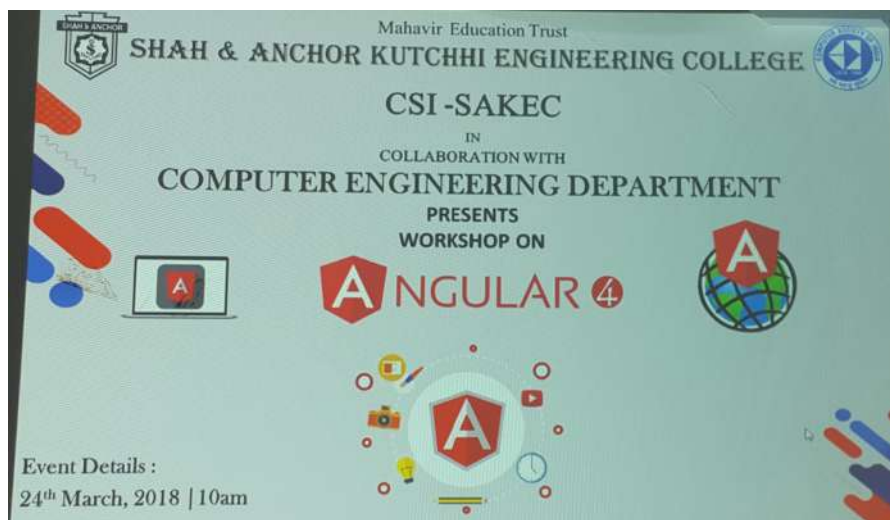


# IN COLLABORATION WITH CSI

## ANGULAR

Angular is a TypeScript-based open-source full-stack web application framework led by the Angular Team at Google and by a community of individuals and corporations. Angular is a complete rewrite from the same team that built AngularJS. This event was held on 24 March, 2018 by Ms. Shilpa Jain. This event was conducted with an aim to teach Angular 4. The Speaker covered topics like architecture behind Angular 4, Typescript & Angular CLI, how to use TypeScript write Angular applications, develop complex and responsive web applications with Angular 4.

All participants did a hands-on session to develop web applications using Angular 4 with the help of volunteers. Workshop covered the difference between SPA and MPA, different versions of Angular, how to think in Angular, installation guide through Node JS and NPM manager. The primary objective of this workshop was to introduce the learners with the Angular Framework.



# IN COLLABORATION WITH CSI

## SOCIAL AWARENESS

Social awareness gives you the ability to understand and respond to the needs of others, improve your social skills and gain the respect of others as you apply the ideas. Understanding feelings of other people is central to emotional intelligence. CSI-SAKEC in collaboration with the Department had organized a workshop on "Social Awareness".

Founded in 2011 in Bengaluru, U&I is a volunteer-driven charitable organisation that is focused on educating underprivileged children. Founded by Satish Manchikanti (38) and Ajit Sivaram (37), U&I has been operating since January 2011. Their own personal experiences led the duo to work towards teaching the underprivileged. Satish and Ajit, who also run an HR firm together, understood the importance of the English language today after they were forced to reject a number of talented and spirited candidates, merely because they didn't possess the ability to converse in English. The workshop was conducted by U&I team on 6th April, 2018. U&I is a volunteer driven NGO, that focuses on educating children. The students were made aware about the part of the society where children don't get education they deserve, and how the youth can help in bringing the change.

This workshop was conducted by U&I, a non-profit volunteer driven NGO. The main aim of this workshop was to throw some light on the current situation of education underprivileged children and how we can be a part of changing this system.



# IN COLLABORATION WITH ACM

## ANDROID APP DEVELOPMENT

The Computer Engineering Department in association with ACM SAKEC and GFXBandits has organized hands on workshop on “Android App Development” on 22nd and 23rd September, 2017, which was conducted by Mr. Shripal Jain, Android Developer of GFXBandits and Mr. Hemant Shah, Founder of GFXBandits. The event was attended by students of SAKEC and other colleges, along with some industry experts.

The workshop was intended to familiarize participants with Android Studio software. Participants were trained to make applications using UI control and toasts, which can be launched in Google Play Store and are supported by various devices such as TVs, smart phones, tablets, camera, video game player, smart watches, car systems etc. They also learnt to post advertises in their app using JSON, thus making app as a source of revenue. The session was interactive and was concluded with the valedictory function which was graced by Principal, Dr. Bhavesh Patel, Computer Engineering Department HOD, Prof. Uday Bhawe, IT Department HOD Prof. Swati Nadkarni and CEO of GFXBandits Mr. Ronak Parikh.



# IN COLLABORATION WITH IETE

## PHOTOSHOP WORKSHOP

Photoshop is considered as one of the leaders in photo editing software. The software allows users to manipulate, crop, resize, and correct color on digital photos. The Department in collaboration with IETE-SAKEC organized a “PHOTOSHOP Workshop” on 16th September, 2017. The session was delivered by Mr. Prakash Parmar, Assistant Professor, Computer Engineering Department and assisted by Mr. Viraj Doshi, student of Computer Engineering Department. The event was organized for students of college. Some students from other colleges also participated for the workshop. The main objective of the workshop was to give the students knowledge about the Adobe Photoshop software. Participants were taught about different tools which can be used for editing of images, graphics design and creating effects using Photoshop.

The session was very interactive and concluded with question answer session. The event was Co-coordinated by Prof. Vaishali Chavan, IETE Co-coordinator of the Department.



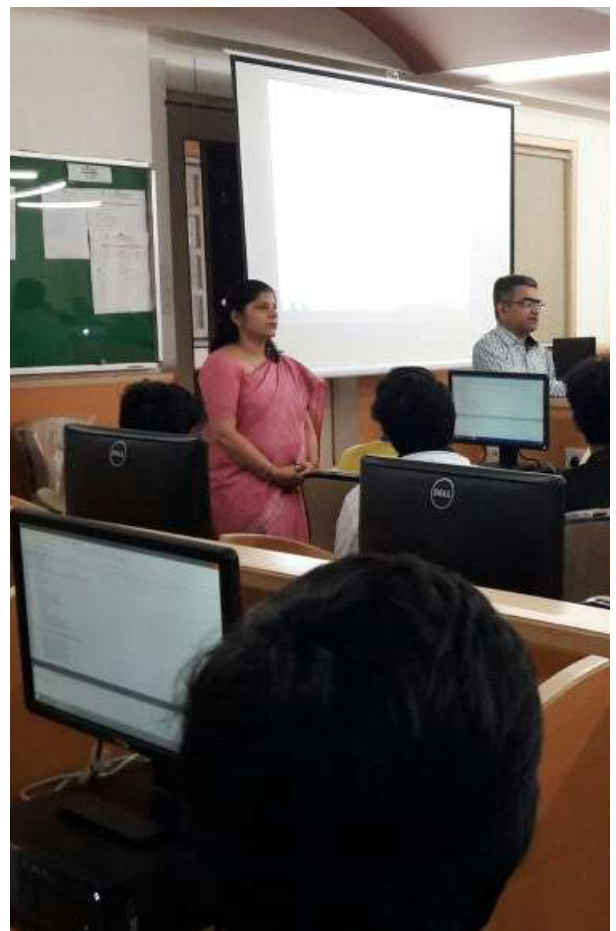
# WORKSHOPS

## GUI DESIGN

A GUI is a form of user interface that allows users to interact with electronic devices through graphical icons and visual indicators, instead of text-based user interfaces. In view to introduce the students to GUI design, the Department Organized Hands-on workshop on “GUI Design” on 24th August, 2017 by Prof. Deepshikha Chaturvedi. Prof. Uday Bhawe in-charge head, Computer Engineering Department addressed the crowd.



Students from different departments of SAKEC registered for this event. The event focused on the GUI design using Java Applets, Event Handling and Database Connectivity. The event was an attempt to give idea to students for designing mini projects in their second year curriculum.



# WORKSHOPS

## INTRODUCTION TO LATEX

Latex is a high-quality typesetting system; it includes features designed for the production of technical and scientific documents. The main aim of the workshop was to help the final year students prepare a perfect resume for their placements. In view of this, the Department in association with IEEE SAKEC had conducted a workshop on “Introduction to Latex” on 16th September, 2017. Prof. Manimala Mahato conducted the program for students of SAKEC and other colleges. Along with her, Prof. Shazia Sayyed coordinated the event.



Latex is a software that is used for documentation and making reports. Latex is preferable than MS Word because of the high typographical quality of the documents it can produce with easy document editing. In this workshop, topics related to LATEX including installation steps of the LATEX, familiarization of LATEX, different commands starting from basic to advanced, which is required to write a report in LATEX were covered.



# WORKSHOPS

## DATABASE DESIGN

Databases rank amongst the most significant structural elements of the World Wide Web today. In order to make a website fully-functional, database is essential. In order to introduce students with database, Student Development Program on “Database Design” was organized by the Department on 17th March, 2018. Prof. Shahzia Sayyad coordinated the event.

Prof. Uday Bhave began the session with the fundamentals of database like Data, Database, Database Management System and System and Application Softwares. The concepts of Relational database model were presented with different case studies. The SQL statements that are in the DDL and DML class were also covered. At the end, the students were asked to solve few case studies.



# SEMINARS AND TALKS

## DIGITAL SAMVAAD

A program called 'Transform Maharashtra Leadership Ambassador Program' (TMLAP), a campus program focused on enabling the youth towards inculcating leadership skills, participating in governance and decision making along with developing an entrepreneurial bent of mind. Maha- Digital-Samvaad is conducted which is a series of digital interactions through live web streaming that put forth a unique opportunity of getting connected with eminent personalities holding positions of power and prominent leadership post holders along with providing a chance to get important questions on development and governance answered.

Episode 2 of Maha-Digital- Samvaad was conducted on 25th January, 2018 and about 134 students attended the programme, where "Aamhi Aamchya Virana Salam Karto" by Mr. Dhanraj Vanjari - Retired ACP, advocate and psychotherapist.

Topics covered during the session are as follows:

- Understanding the Concept of Nation: Geographical & Cultural Heritage of the Nation.
- The Indian context: emergence of the Republic.
- Commemorating the constitution: Remembering Dr. Babasaheb Ambedkar.
- Youth for the nation: importance of youth in nation building Nation for the youth: opportunities ahead and probable career paths.

The event was conducted by SAKEC ACT Club.



# SEMINARS AND TALKS

## SCOPE IN INTERNATIONAL BUSINESS FOR ENGG. STUDENTS

In order to introduce the scope of international business for engineering students, The Department had organized a seminar on “Scope in International Business for Engineering Students” on 31st January, 2018. The chief guest of the event was advocate Mr. Jayprakash Somani (MBA-Foreign Trade, LL. B.), director of “Nishant Publications & Marketing Pvt. Ltd.” also the chairman of “Aaronica Global Exim Pvt. Ltd.”. Mr. Avinash Kamble, who is public relation officer at Aaronica Global Exim Pvt. Ltd. was present to grace the event. Our principal, Dr. Bhavesh Patel and the I/c Head of Department, Prof. Uday Bhave were also present to grace the event.

It covered the topic ranges from export & import of systems & services designed by the engineering students. The main objective of the seminar was to change the mindset of the engineering students from job seeker to job giver, so that students will serve our nation by generating employment for the benefit of the society.

Adv. Jayprakash Somani shared the details of India’s global trade percentage in international trade and then stressed the need to improve the percentage by increasing the export and import of businesses in India. He gave the importance for future engineers to take up business management after attaining degree. He also broached upon the topic of women empowerment to allow girls and women to pursue their dreams and support them wholeheartedly.

The felicitation of the speaker for giving their precious time and spreading the knowledge was done in the presence of Prof. Uday Bhave.

Event was coordinated by I/c Head of Department Prof. Uday Bhave, and Prof. Pallavi Deshmane.



# SEMINARS AND TALKS

## MANAGING LIFE BEYOND STUDIES AND WORK

The Department had organized an Alumni Talk on “Managing Life Beyond Studies & Work”. The session was conducted on 13th July, 2017 by Ms. Ruchira Parchur for third year and final year students. Ruchira insisted that the students make use of the time they are given appropriately, arranging their priorities.

Ruchira is a health believer, which is why she runs Marathons whenever she gets the chance and she encourages the students to do everything they have to take care of their health. Grabbing Opportunities is something she knows about, because her career is all about it; she works as a technical writer at TCS. She also follows “Learn Each New Thing a Day” Attitude. Learning New Things was the focus of the hour. Ms Ruchira is a good person, which is why she also tries to give back to society whenever she gets a chance. Her advice to the students is to do the same whenever they get a chance. With all this, the students were very grateful & the teachers were proud of her progress.

She thanked her teachers at Shah and Anchor Kutchhi Engineering College to shape her career. She was appreciated by Vice Principal, Dr. Vinit Kotak and Mr. Uday Bhave, I/C HOD.



# SEMINARS AND TALKS

## GUEST LECTURE ON SPM

Projects are an intergral part of the engineering curriculum. In order to guide the students about the trending technologies in the industry, the Department had organized a guest lecture on 16th February, 2018 by industry expert, Mr. Dileep Pednekar for the third year elective subject, Software Project Management. Resource person was from Jacobs services pursuing Project Manager post. It was beneficial for the academic year 2017-18 third year students for selecting latest technologies for their project development and improve their presentation skills.

Live project experiences were shared by the resource person. Session was interactive and ended with question and answers. His advice to the students was how to achieve goals in their career life.

With a token of appreciation from Mr. Uday Bhave, I/C HOD the session ended.



# SEMINARS AND TALKS

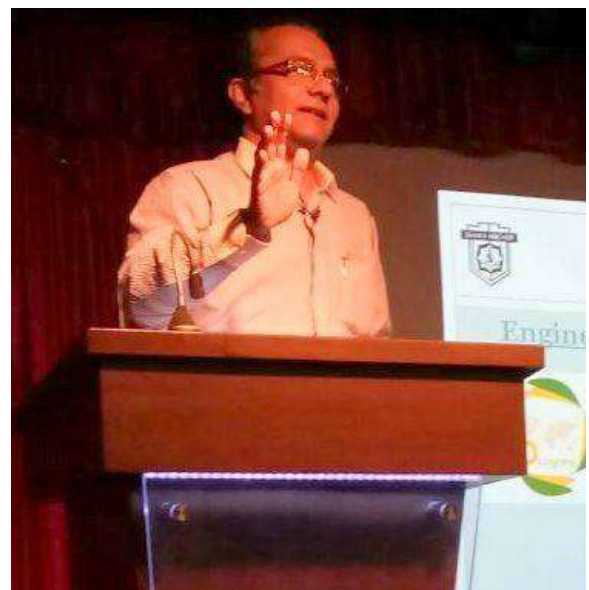
## FE ORIENTATION

The Department had organized an orientation program for the First Year students of Computer branch on 1st August, 2017.

The Principal, Dr. Bhavesh Patel, Vice-Principal, Dr. V.C Kotak, Head of the Computer Department, Prof. Uday Bhave, Dean of Student Affairs, Prof. S.Hegde and I/c Examination Department, Prof. Aruna Sharma addresses the students and their parents.

Dr. Bhavesh Patel and Dr. V.C Kotak motivated the students to fulfil their dreams. They also gave a brief about the student life at SAKEC.

Later, Prof. Uday Bhave addressed the students and parents, giving them brief introduction about the department. He also made them aware about the functioning of the department.



# UNIVERSITY LEVEL

## OOPM ORIENTATION PROGRAM

Object-oriented programming can be a great help when dealing with complex data structures. It provides a way to abstract away complexity so as to make the data more manageable and easier to work with. In view of syllabus comprising of the subject, on behalf of University of Mumbai, an orientation program for the subject OOPM (JAVA) LAB, SEM-III (REV-2016), CBCGS, was conducted by the Department on 21st July 2017.



Total 35 faculty from different Engineering colleges of Mumbai University attended orientation program. This program was organized and coordinated by Prof. Manoj Dhande and Prof. Deepshikha Chaturvedi.



# UNIVERSITY LEVEL

## DISCRETE MATHEMATICS ORIENTATION PROGRAM

The mathematics of modern computer science is built almost entirely on discrete math, in particular combinatorics and graph theory. This means that in order to learn the fundamental algorithms used by computer programmers, students will need a solid background in these subjects. Orientation Program for Sem-III (CBCGS)-Discrete Mathematics was conducted on 21<sup>st</sup> July 2017 by the Department, conducted by Prof. Sujata Khedkar, VESIT Chembur, under the coordination of Prof. Rajashree Shedge, RAIT, Navi Mumbai and Prof. Karuna Borhade, SAKEC, Chembur. The topics covered in this program were depth of each topic with weightage, list of tutorials, sample questions in each tutorial, mapping of course outcomes to topics in the syllabus.



Prof. Uday Bhawe (I/C HOD of Computer Engg. Department) felicitated Prof. Sujata Khedkar with a certificate as a token of appreciation. Prof. Sujata Khedkar felicitated all participants with the certificates as a token of appreciation.



# PROJECT EVENTS

## LITERATURE SURVEY

As literature review is an essential part of a project because it covers all previous research done on the topic and sets the platform on which the current research is based. So to give a basic understanding of the literature review, the Department had organized a Literature Survey session for Third Year students on 26th February, 2018.



Dr. Rekha Ramesh, Prof. Pinki Vishwakarma and Prof. Bhakti Sonawane presented a talk to TE3, TE4 and TED class students respectively on importance of B.E. project, publishing a paper related to project, decide keywords of area of interest, searching papers, reading papers using three pass, the importance of citation, the harms of plagiarism, impact factors, different phases of writing and reviewing a paper, exhibition of top 10 projects, off-line repository of the papers. Also newer areas in which students can develop their projects like Machine Learning, Big Data analytics, Data Sciences, Cyber security, Cloud Computing, etc. were discussed in Session.



# PROJECT EVENTS

## BEST PROJECT PRESENTATION

The Department had organized an event on the Best Final Year Project Presentations on the 28th February, 2018. The students presented their work to their juniors to guide them in selecting latest technologies for their own project development and improve their presentation skills. The best projects as given below were awarded for their presentation.



Sr. No.	Student Name	Project Title	Guide Name
1	Durita Dalal	Android Application on Sign Language Translator using Gesture Recognition System for India	Dr. V. C. Kotak
	Richa Lomate		
	Smit Malde		
	Yash Shah		
2	Pranav Devdas	Secure Transmission of Confidential Data using Dual Random LSB Method of Audio Steganography	Prof. Bhakti Sonawane
	Jaimin Mehta		
	Achyut Shah		
	Ronak Tukaria		
3	Darshal Shetty	Handwritten Mathematical Symbol Recognition using Neural Network	Prof. Sarika Rane
	Ankur Singh		
	Darshil Shah		
	Sagar Rapelli		
4	Gaurav Gala	Secured Communication in IOT using Lightweight Encryption and Hash Algorithm	Prof. Sonali Bhutad
	Umangi Kamani		
	Harsh Shah		
	Akanksha Thakkar		

# PROJECT EVENTS

5	Bilal A.	File Hosting and Sharing Application	Prof. Amol Dhumal
	Vishal S.		
	Burhanuddin Sojar		
	Mohammad Hasan		
6	Rushabh Saliya	Sakec OTaP System	Prof. Dhara Kalola
	Kushal Gala		
	Ishan Parekh		
	Jinal Gala		
7	Rutuja Pawar	Lost Mobile Tracker Android Application	Prof. Dipti Pawar
	Pooja Gadwe		
	Vaibhavi Hule		
8	Shrimangal Rewagad	Question Bank Generation for Online Question Paper with Intelligent Answer Verifier	Prof. Deepshikha Chaturvedi
	Pratik Pisat		
	Ganesh Sawant		
	Devansh Mody		
9	Kartik Joshi	Home Automation using Raspberry Pi	Prof. Milind Khairnar
	Yash Parekh		
	Yash Kanakia		
	Nishant Vorani		
10	Ankita Panigrahy	Port Associated Traffic Navigation Enterprise	Prof. Shilpa Kalantri
	Purva Patne		
	Shreya Desai		



# PROJECT EVENTS

## POSTER PRESENTATION

Final Year Project Poster Presentation was conducted by the Department on 21st March, 2018 on 7th floor Drawing hall for Third Year students. The event was coordinated by Mrs. Shahzia Sayyad & Mrs. Deepshikha Chaturvedi. Around 55 project groups participated and presented in the event.



Principal Dr. Bhavesh Patel and Prof. Uday Bhawe, IIC HOD went through the presentations of each group enthusiastically. They congratulated the students for their efforts and team work. Also many faculties visited to encourage and appreciate the students.

The posters of projects from different domains like Security, Data Mining, Mobile Communication, Big Data and Networks etc., were showcased to give a glimpse of an understanding of what is expected in BE project, kind of projects that can be taken up in different domains. Third year students were impressed and motivated by the projects.



# VISITS

## BALANAND ASHRAM

As it is rightly said, “Every Child you encounter is a divine appointment”, so was the feeling of staff and students on their visit to Balanand Ashram. Faculties and students of the Department, Shah and Anchor Kutchhi Engineering College visited Balanand Ashram on 2nd September, 2017 and 7th October 2017. I/C Head of Department Prof. Uday Bhawe, Prof. Amol Dhumal, Prof. Sonali Bhu-tad, Prof. Rupali Kale, Prof. Deepa Ekhande and Prof. Sonal Raut along with the students voluntarily visited the ashram for social cause and interacted with the children.



The activities began with distributing snacks to the children. Later on, staff and students of SAKEC taught various crafting skills to the children which were enthusiastically enjoyed by them. Other activities included storytelling and playing games. The children also danced on their favorite songs, recited poems and watched animated movies shown by SAKEC students. All the children actively participated in each and every event conducted for them and enjoyed it.

The visit was indeed memorable for all the staff members and students as they were very delighted to see the smiling faces of children.



# VISITS

## CSR ACTIVITY- JOY OF GIVING

The Department had organized the “Joy of Giving” on 13th October, 2017. Faculties and students got the pleasure of giving to the lesser fortunate children and underprivileged sections of the society. This will give an insight to the students about the power of kindness, the concept of joy and the need for giving. As the part of this activity, faculties and students have contributed certain regular items as per their wish of the various tribal children of the Raigad zilla Parishad Prathmik School, Posariwadi, Post Rasayani, Tal. Panvel, Dist. Raigad.

This is to make students responsible citizens of tomorrow by caring and sharing with the institute’s social responsibility.



*The happiest people I know are those who lose themselves in the service of others.*  
- Gordon B. Hinckley

*“We make a living by what we get, but we make a life by what we give.”*

*–Winston Churchill*



# VISITS

## BPCL REFINERY

Faculties and students of Computer Department visited the Bharat Petroleum Corporation Limited.



The main motive behind this visit was to understand how automation can be helpful to solve common man's problems. Session was conducted by Mrs. Pushplatha Ravi, Chief Manager IS, Mr. Kedar Dhamanskar, Manager IS, Ms. Varsha Bhoir, Manager IS, Mr. Akash Shukla, Manager IS, Ms. Anuradha Shenoy, Manager IS and Mrs. Nasreen Khan, Customer and Vendor Relationship Management employees of BPCL, Mumbai Refinery IS Department.

They elaborated on how I.T. is beneficial in maintaining and processing their activities effectively. The visit proved to be highly useful in bridging the gap between Academics and Industry. Students got exposure to different technologies to do some real time projects.



# ACHIEVEMENTS

## TECHNICAL

Sr. no	Name of Student	Events name	Event date	Conducted by/ Sponsor	Winner/ participation
01	Rushabh Mehta Deep Gosalia Tej Karani Vivek Gawande Mayank Dand	ERR_404 HACK NOT FOUND	7-8,2017	M.H Saboo Siddik College of Engineering, Byculla	Participation
02	Urvi Shah	Inter College Quiz	19/08/2017	SAKEC	Participation
03	Rushabh Mehta	CodeVita	13/07/2017 to 01/08/2018	Tata Consultancy Services	Participation
04	Jai Parekh	Robowar Plinth2018	19/01/2018 to 21/01/2018	LNM Institute of Information & Technology, Jaipur.	2nd Position
05	Nikunj Purohit	Techno Utsav 2018	24/01/2018	SAKEC	Winner
06	Nikhil Dinesh Shetty	Programming, Data Structures & Algorithms Using Python	Jul-Sept 2017	NPTEL	Topper (93%)
07	Rushabh Mehta	National Programming Aptitude Test(NPAT)	2017	NPTEL	94%
08	Bhavya Haria	RoboKombat-Quarl 2018 Spanning Horizons	11/02/2018	BITS Pilani, Goa	Participation

# ACHIEVEMENTS

## TECHNICAL

Sr. no	Name of Student	Events name	Event date	Conducted by/ Sponsor	Winner/ participation
09	Urvi Shah	Internshala Student Partner 9.0(IMP)	16/03/2018	Scholiverse Education Pvt Ltd	Selected
10	Nikhil Dinesh Shetty	Social Network	Jul-Sep 2017	Nptel	Topper
11	Neel Doshi	Techzilla Wordpress	11/08/2017	SAKEC	Participation
12	Mansi Mehta	Technokagaz of Nucleus 2018– The Annual Inter-Collegiate Technical Symposium	7/03/2018		Participation
13	Madhusa Shah Malav Sanghvi Harsh Wala	Intercollegiate Technical Paper	24/03/2018	Shivajirao S. Jodhale College of Engineering	Participation
14	Anchal Vijan Rujul Shah Yogita Patil Pradyumna Bidoo	Intercollegiate Technical Paper	24/03/2018	Shivajirao S. Jodhale College of Engineering	Participation
15	Vaishnavi Balachandran Salil Deshpande Tejas Rawal	Hunar	13/02/2018	iFEEL, Jaro Education	Zonal Level and Qualified For National Level

# ACHIEVEMENTS

## TECHNICAL

Sr. no	Name of Student	Events name	Event date	Conducted by/ Sponsor	Winner/ participation
16	Vaibhav Gala Sahil Haria Shubham Anchaliya	4th National Level Project Exhibition cum Poster Presentation	09/03/2018	Universal College of Engineering, Mumbai	Participation
17	Vaibhav Gala Sahil Haria Shubham Anchaliya	National Level Project Competition	13/03/2018 to 14/03/2018	Terna Engineering College, Nerul, Mumbai	Participation
18	Vaibhav Gala Sahil Haria Shubham Anchaliya	National Level Project Competition INNOVATIONS 2018	16/03/2018	CSI SIESGST, Mumbai	Participation
19	Vaibhav Gala Sahil Haria Shubham Anchaliya	National Level Project Competition Tantrayyan 2018	27/03/2018	Lokmanya Tilak College of Engineering, Mumbai	Participation
20	Priyanka Bapna Apurva Gaikwad Pratik Kataria Meet Jakharia	Intercollegiate Competition	07/04/2018	SAKEC	Participation
21	Mohit Talreja Farha Shaikh Krupa Salkar Nitesh Shah	Intercollegiate Competition	07/04/2018	SAKEC	Participation
22	Vinit Vasani Vishal nandu Asim Mehta Aniket Shetty	Intercollegiate Competition	07/04/2018	SAKEC	Participation

# ACHIEVEMENTS

## TECHNICAL

Sr. no	Name of Student	Events name	Event date	Conducted by/ Sponsor	Winner/ participation
23	Vinil Vasani Aakash Shah Salil Deshpande Mandar Pradhan	Rajasthan Hackathon	19/03/2018 to 21/03/2018	Government of Rajasthan	Participation
24	Sahil Pathak Pritesh Vaviya Tejas Raval	Rajasthan Hackathon	19/03/2018 to 21/03/2018	Government of Rajasthan	Participation
25	Ashlesha Patil	Crime scene investigation (Nucleus-2018)	07/03/2018	SAKEC	Participation
26	Krunal Mujpura	Online Marketing Fundamentals Qualification	15/07/2018	IAB	Participation
27	Krunal Mujpura	Online marketing Fundamentals qualification	15/07/2018	ISB	Participation
28	Ashlesha Patil	Engineering Marathon (Nucleus 2018)	07/03/2018	SAKEC	First position
29	Jay Rajput	Scope of International Bussiness –Publicity Head	31/01/2018	SAKEC	Participation
30	Kenvi Shah	Scope of International Bussiness –Publicity Head	31/01/2018	SAKEC	Participation
31	Sarvesh Saple	Scope of International Bussiness –Publicity Head	31/01/2018	SAKEC	Participation
32	Nikki Pokharne	NPTEL Course on Problem Solving through programming in c	July – September 2017	NPTEL, Ministry Of HRD	Participation
33	Kenvi Shah	NPTEL Course on introduction to Mlmodern Application development	July – September 2017	NPTEL, Ministry Of HRD	Participation
34	Kushal Gogri	The Complete Android N Developer course	02/02/2018	Udemy	Participation

# ACHIEVEMENTS

## NON-TECHNICAL

Sr. no	Name of Student	Events name	Event date	Conducted by/ Sponsor	Winner/ participation
01	Snehal Prabhu Aditya Sakpal Himani Lattu Prashant Saini	Kiran 2017 Intercollegiate Seminar	10/07/2017	Nagindas Khanwala College of Com- merce ,Arts and manage- ment Studies	Participa- tion
02	Jairosh Kumar Aakash Bhatt Parth Parekh Prathamesh Parab	Summit17 Football	14/09/2017 & 18/09/17	MIT- WPU,Pune	Participa- tion
03	Snehal Prabhu	Antardhwani	16/07/2017	Heramb School of Mu- sic and Cul- tural Arts	Participa- tion
04	Amish Shah Yash Shetye Chinmay Shetye	Skream'18 Volleyball	06/01/2018 - 10/01/2017	Kj Somaiya College of Engineering Vidyavihar Mumbai-77.	Participa- tion
05	Amish Shah	Skream'18 Table tennis	06/01/2018 - 10/01/2017	Kj Somaiya College of Engineering Vidyavihar Mumbai-77.	Participa- tion
06	Vishal Dawda	Skream'18 (Box cricket)	06/01/2018 - 10/01/2017	Kj Somaiya College of Engineering Vidyavihar Mumbai-77.	Participa- tion
07	Vishal Dawda	Skream'18 (Carrom Doubles)	06/01/2018 - 10/01/2017	Kj Somaiya College of Engineering Vidyavihar Mumbai-77.	Participa- tion

# ACHIEVEMENTS

## NON-TECHNICAL

Sr. no	Name of Student	Events name	Event date	Conducted by/ Sponsor	Winner/ participation
08	Vishal Dadwa	Skream '18 (Carrom doubles)	06/01/208 - 10/01/2018	K.J Somaiya College of Engineering Vidyavihar, Mumbai-77	Participation
09	Vishal Dadwa	Skream '18 (volleyball boys)	06/01/208 - 10/01/2018	K.J Somaiya College of Engineering Vidyavihar, Mumbai	Participation
10	Vishal Dadwa	Skream '18 (Carrom doubles)	06/01/208 - 10/01/2018	K.J Somaiya College of Engineering Vidyavihar, Mumbai	Participation
11	Jairosh Kumar	Skream'18 (football)	06/01/2018 - 10/01/2017	Kj Somaiya College of Engineering Vidyavihar Mumbai-77.	Participation
12	Parth Gala	Skream'18 (football)	06/01/2018 - 10/01/2017	Kj Somaiya College of Engineering Vidyavihar Mumbai-77.	Participation
13	Sakec Drama Team	Drama(Spring Festival)	27/01/2018	IIT Kharagpur	Semi Final
14	Sakec Drama Team	Drama(Spring Festival)	02/02/2018	Xavier's College, Mumbai	4th

# ACHIEVEMENTS

## NON-TECHNICAL

Sr. no	Name of Student	Events name	Event date	Conducted by/ Sponsor	Winner/ participation
15	Sakec drama team	Symphony	07/02/2018 & 09/02/2017	K.J Somaiya College of Engineering Vidyavi- har, Mumbai- 77	3rd posi- tion
16	SAKEC Fashion Show- Team	Fashion Show	03/02/2018	Xavier's Col- lege , Mum- bai	Participa- tion
17	SAKEC Fashion Show- Team	Fashion Show	09/02/2018	KJ Somaiya Management (SIMSR)	2nd
18	SAKEC Fashion Show- Team	Fashion Show	07/03/2017	Kj Somaiya College of Engineering Sion.	Participa- tion
19	SAKEC Fashion Show- Team	Fashion Show	15/03/2017	Vasantdada College of engineering Mumbai	Participa- tion
20	SAKEC Dance Team	Dance	10/02/2018	KJ Somaiya Management (SIMSR)	3rd
21	SAKEC Dance Team	Dance	15/02/2018	VIT	3rd
22	SAKEC Dance Team	Dance	20/02/2018	Fr. Agnel	5th
23	SAKEC Dance Team	Dance	21/02/2018	Sydenham	4th
24	SAKEC Dance Team	Dance	23/02/2018	KEM	1st
25	SAKEC Dance Team	Dance	08/03/2018	KJ Somaiya Sion	4th
26	SAKEC Dance Team	Dance	14/03/2018	SPIT	4th

# ACHIEVEMENTS

## NON-TECHNICAL

Sr. no	Name of Student	Events name	Event date	Conducted by/ Sponsor	Winner/ participation
27	Vaishnavi Balachandran Salil Deshpande Tejas Rawal	Hunar	13/02/2018	iFEEL, Jaro Education	Zonal Level and Qualified  For National Level
28	Dawda Vishal Amish Shah Arman Merchant Viren Dattani	Spoorthi 2018 Volleyball	08/02/2018 to 09/02/2018	Bhartiya Vidya Bha- van's Sardar Patel Institute of Technology	2nd position
29	Vishal Bharat Dadwa	Yuva Khel Summit 2018 Badminton	12/02/2018 & 13/02/2018	Inter College Sports Fest Shahaji Raje Krida Sankul	Secured
30	Vishal Bharat Dadwa	Yuva Khel Summit 2018 Volleyball	12/02/2018 & 13/02/2018	Inter College Sports Fest Shahaji Raje Krida Sankul	Secured
31	Vishal Bharat Dadwa	Yuva Khel Summit 2018 BasketBall	12/02/2018 & 13/02/2018	Inter College Sports Fest Shahaji Raje Krida Sankul	Secured
32	Snehal Prabhu	Fusion 2018 Singing Competition	March 2018	Padma Bhu- shan Vasant dada Patil Pratishthan's College of Engineering, Mumbai	Runner- up
33	SAKEC Drama Team	Drama (Spring Fest)	27/01/2018	IIT, Kharag- pur	Semi- Final

# ACHIEVEMENTS

## NON-TECHNICAL

Sr. no	Name of Student	Events name	Event date	Conducted by/ Sponsor	Winner/ participation
34	Urvi Shah	Spoorthi 2018 Table Tennis	2018	Bhartiya Vidya Bhavan's Sardar Patel Institute of Technology	1st Position
35	Urvi Shah	Yuva Khel Summit 2018 Table Tennis	12/02/2018 & 13/02/2018	Inter College Sports Fest Shahaji Raje Krida Sankul	Secured
36	Amish Shah	Yuva Khel Summit 2018 Table Tennis	12/02/2018 & 13/02/2018	Inter College Sports Fest Shahaji Raje Krida Sankul	Secured
37	Shaili Shah	Group Dance	2017	Institute of Chemical Technology	Secured
38	Tejas Rawal Salil Deshpande Vaishnavi Balachandran	Hunar	25/02/2018	iFEE, Jaro education	1st Runner up
39	Parth Gala	National Level Inter Engineering Sports meet "Summit '17"(in football)	14/09/2018 To 18/09/2017	MIT_WPU_PUNE	Participation
40	Amish Shah Karan Dedhia	National Level Table Tennis tournament	14/09/2017, 15/09/2017, 17/09/2017	MIT, Pune	Participation
41	Himani Lattu Snehal Prabhu Urvi Shah	Quiz-battle of brains	19/08/2018	SAKEC-speaker's club, Mumbai	Participation
42	SAKEC Cricket Team	National Level Cricket Tournament	08/09/2017, 11/09/2017, 12/09/2017	MIT Pune	Participation

# ACHIEVEMENTS

## NON-TECHNICAL

Sr. no	Name of Student	Events name	Conducted by/ Sponsor	Event date	Winner/ participation
43	Snehal Prabhu	Antardhwani –Mega Talent Hunt Competition	Heramb School of music and cultural arts	16/07/2017	Won
44	Akanksha Chhatry	Yuva Khel Summit 2018 (Basketball)	Inter College Sports Fest Shahaji Raje Krida Sankul , Mumbai	12/02/2018 & 13/02/2018	Second Position
45	Dikhsha Shah	Athletics (100m)	Olympus 2018 SAKEC	03/06/2018	Won (First Position)
46	Dikhsha Shah	Athletics (Relay)	Olympus 2018 SAKEC	03/06/2018	Won (Second Position)
47	Akansha Chhatry	Basketball	Olympus 2018 SAKEC	03/06/2018	Won (First Position)
48	Parth Gala	Football	Olympus 2018 SAKEC	03/06/2018	Participated
49	Rajvi Shah	Glitterati	KJ Somaiya Management (SIMSR),	Feb 2018	Second position
50	SAKEC Dance Team	Dance	Tata Institute of Social Science, Mumbai	09/02/2018	Third position
51	Gagandeep Kochar	Engineers for Run 2k17	IEEE Bombay Section Women in Engineering affinity group & Rotaract club of-Dombivili	10/09/2017	Participated

# PAPERS PUBLISHED

## BY FACULTY

Sr. No	Name of Staff	Title	Period	Journal/Conference
1	Uday Bhave	FrequentItemset Mining of uncertain data using Improved UFP-Tree Algorithm	6th and 7th April 2018	International Conference on Advance Trends in Engineering (ICATE 2K18)by IEEE Bombay section
2	Manimala Mahato	A Variational Model with Adaptive Regularization Based Dense Stereo Matching	2017	Asian Conference on Remote Sensing (ACRS)
3	Manimala Mahato	Genetic Algorithm Based Stereo Image Correspondence using Multi-Objective Fitness Function for Remotely Sensed Images	2017	20th William T. pecora memorial Symposium (ASPRS 2017)
4	Manimala Mahato	Integration of Variational Optical Flow and Surface Splines for Dense Correspondence Estimation of Remotely Sensed Images	2017	1-8. 10.1109/DICTA.2017.822748.
5	Vidyullata Devmane	Towards Privacy Preserving for Dynamic Data in Cloud Storage	1st-2nd August 2017	Energy, Communication, Data Analytics and Soft Computing (ICECDS)-2017

# PAPERS PUBLISHED

## BY FACULTY

Sr. No	Name of Staff	Title	Period	Journal/Conference
6	Pinki Vishwakarma	A Comparative Analysis on Smart Home System to Control, Monitor and Secure Home ,based on technologies Like GSM ,IOT,Bluetooth and PIC Microcontroller with ZigBee Modulation	5 <sup>th</sup> January 2018	International Conference on Smart City and Emerging Technologies (ICSCET-2018) at Universal College of Engineering in Association with IEEE Bombay Section
7	Manoj Dhande	Text to Image Encryption Using 16*16 Playfair Cipher and Dynamic Color Channel Selection Technique	April 2018	3 <sup>rd</sup> IEEE International Conference for Convergence in Technology 2018
8	Manoj Dhande	Web-based Honeypot Tool for Website Analysis	May 2018	IJSR Volume7 Issue 5 , May 2018 ISSN:2319-7064
9	Bhakti Sonawane	Computer Aided Breast Cancer detection & diagnosis system	December 2017	International Journal of Modern Trends in Engineering & Research (IJMTER)Volume 4 Issue12
10	Bhakti Sonawane	Acceleration of CNN based facial emotion detection using NVIDIA GPU	2nd -4th <sup>th</sup> August 2017	ICICC 2017 By MIT College of Engineering Pune

# PAPERS PUBLISHED

## BY FACULTY

Sr. No	Name of Staff	Title	Period	Journal/Conference
11	Sonali Bhutad	Computer Aided Breast Cancer detection & diagnosis system	December 2017	International Journal of Modern Trends in Engineering & Research (IJMTER) Volume 4 Issue 12
12	Deepshikha Chaturvedi	Question Paper Generator and Answer Verifier.	1 <sup>st</sup> -2 <sup>nd</sup> August 2017	Energy, Communication, Data Analytics & Soft Computing (ICECDS)-2017
13	Tina Maru	Car Crash Prevention & Detection System	14th-15th June 2018	International Conference on Intelligent Computing & Control System (ICICCS 2018)
14	Tina Maru	Car Crash Prevention & Detection System	March 2018	International Journal of Advance Engineering & Research Development (IAERD) Volume 5 issue 3 eISSN:2348-4470 pISSN:2348-6406
15	Sarika Rane	MoodyPlayer: A Music player based on facial expression recognition	April 2018	International Research journal of Engineering & Technology (IRJET) Volume 5 Issue 4 eISSN:2395-0056 pISSN:2395-0072

# PAPERS PUBLISHED

## BY FACULTY

Sr. No	Name of Staff	Title	Period	Journal/Conference
16	Pinki Vishwakarma	Cybercrime: To Detect Suspected User's Chat Using Text Mining	April 2018 selected and presented but yet to be published in Springer SIST SERIES	3rd International Conference on Information and Communication Technology for Intelligent Systems
17	Bhakti Sonawane	GPU based acceleration of facial emotion detection using Machine learning (Poster)	<a href="http://www.gputechconf.com/resources/poster-gallery/2017/deep-learning-artificial-intelligence">http://www.gputechconf.com/resources/poster-gallery/2017/deep-learning-artificial-intelligence</a>	NVIDIA GTC 2017 conference at Silicon valley
18	Bhakti Sonawane	A Survey on medical image classification techniques	<a href="http://www.ijircce.com/upload/2017/july/102_SURVEY.pdf">http://www.ijircce.com/upload/2017/july/102_SURVEY.pdf</a> Part of the Advances in	International conference on innovative computing and communication ( ICICC ) -2017, MIT, Pune
19	Bhakti Sonawane	Acceleration of CNN based facial emotion detection using NVIDIA GPU	26 December 2017	International conference on innovative computing and communication ( ICICC ) -2017, MIT, Pune
20	Sonali Bhutad	Survey on Internet of Things (IoT) Security Issues & Solutions	December 2017	2nd International Conference on Inventive Systems and Control (ICISC 2018) IEEE

# PAPERS PUBLISHED

## BY STUDENTS

Sr. No	Students Name	Project Title	Training Details	Volume/ Event Date	Guide Name
1	Vaishnavi Balachandran Darsh Shah Sanjil Shah Nilakshi Pokharkar	IoT based Greenhouse Automation System	Technokagaz of Nucleus 2018-The Annual Inter Collegiate Technical Symposium	7th March 2018	Prof. Sonali Bhutad
2	Mansi Mehta	Unified Electronic Medical Record using Cloud Computing	Technokagaz of Nucleus 2018-The Annual Inter Collegiate Technical Symposium	7th March 2018	Prof. Milind Khairnar
3	Madhusa Shah Malav Sanghvi Harsh Wala	Sales Analysis System	Intercollegiate Technical Paper Presentation at Shivaji S. Jondhale Coll. of Engineering	24th March 2018	Prof. Monika Kanojiya
4	Anchal Vijan Rujul S. Shah Yogita Patil Pradyumna Biddoo	Vmail-Voice based Email for Blind Man	Intercollegiate Technical Paper Presentation at Shivaji S.Jondhale College of Engineering	24th March 2018	Prof. Dipti Pawar
5	Vaibhav Gala Sahil Haria Shubham Anchaliya	Car Crash Prevention & Detection System using Sensors & Smart Poles	IEEE International Conf. on Intelligent Computing & Control Systems (ICICCS 2018), Vaigai College of Engineering, Madurai	14th-15th June 2018	Prof. Tina Maru

# PAPERS PUBLISHED

## BY STUDENTS

Sr. No	Students Name	Project Title	Training Details	Volume/ Event Date	Guide Name
6	Vaibhav Gala, Sahil Haria, Shubham Anchaliya	Car Crash Prevention and Detection System	International Journal of Advanced Engineering and Research Development (IJAERD) Scientific Journal of Impact Factor (SJIF):5.71	Volume 5, Issue 03, March-2018 e-ISSN (P):2348-6406	Prof. Tina Maru
7	Kush Dharod, Mahesh Lohar, Adam Hyder, Keyur Makani	Text to Image Encryption using 16*16 Playfair Cipher & Dynamic Color Channel Selection Technique	3rd IEEE International Conference for Convergence in Technology 2018, Pune	6-8th April 2018	Prof. Manoj Dhande
8	Shweta Jadhav, Supriya Mhashelkar, Avanti Patil, Prashant Patil	Web-based HoneyPot Tool for Website Analysis	International Journal of Science and Research (IJSR)	Volume 7 Issue 5, May 2018 Paper ID:ART20182116	Prof. Manoj Dhande
9	Pratik Gala, Raj Shah, Yash Shah, Vineet Shah	Moody Player– A music Player based on Facial Expression Recognition	International Research Journal of Engineering and Technology (IRJET)	Volume 6, Issue 3, June-2018 Paper Id: IJSRDV6130966 Page(s): 1921-1923	Prof. Sarika Rane
10	Jagrut Davane, Ruchit Doshi, Dipesh Jain, Akshay Dand	Efficient Exam Center Allocation System for Competitive Exams using Route Finding Algorithm	International Journal for Scientific Research & development Scientific Journal of Impact Factor (SJIF): 4.396	14-15th June 2018	Prof. Bhakti Sonawane

# WORKSHOPS ATTENDED

## BY FACULTY

Sr. No	Name of Staff	Period	Event Name
1	All Computer Engineering Dept. staff	01/01/2018 To 06/01/2018	Data Analytics with Python and R at SAKEC
2	Dr. Rekha Ramesh, Mr. Shashikant Radke	03/05/2018 To 08/5/2018	Induction/Refresher Programme Pedagogy for effective Integration and communication Technologies (ICT) in Engineering Education at SAKEC
3	Mr. Shashikant Radke	25/06/2018 To 30/06/2018	Open Data Science with IOT at VIT
4	Ms. Vaishali Hirlekar	13/6/2018 To 15/6/2018	Artificial Intelligence and Deep learning at Symbiosis Institute Of Technology, Pune
5	Ms. Vaishali Hirlekar	25/06/2018 To 30/06/2018	Open Data Science with IOT at VIT

*Teaching is a very noble profession that shapes the character, calibre and future of an individual. If the people remember me as a good teacher, that will be the biggest honour for me.*

— A.P.J Abdul Kalam

*A good teacher can inspire hope, ignite the imagination, and instil a love of learning.*

— Brad Henry

# WORKSHOPS ATTENDED

## BY STUDENTS

Sr. No	Name of Student	Event Name	Conducted By	Event Date
1	Snehal Prabhu, Aditya Sakpal, Himani Lattu, Atharva Juikar	Sound Engineering And Videography	CSI-SAKEC	08/05/2017
2	Snehal Prabhu, Chintan Chheda, Himani Lattu, Kunal Dubey,	Hands-On-Php	CSI-SAKEC	08/12/2017
3	Chintan Chheda, Kunal Dubey	Cloud Technologies Workshop	IEEE-SAKEC	08/12/2017
4	Aakash Shah	Hand-ON Python Programming	ACM SAKEC	05/07/2017 to 07/07/2017
5	Atharva Juikar	Workshop on Angular 4	CSI SAKEC	24/03/2018
6	Chintan Chheda	Web development using Flask	SAKEC	24/03/2018
7	Atharva Juikar, Akshay Khanolkar, Pooja Dhamane, Mithil Jain	Ruby-Gramming	ISTE-SAKEC	08/12/2017
8	Atharva Juikar, Pooja Dhamane	3D Modelling and Texturing	CSI-SAKEC	16/08/2017
9	Atharva Juikar	Android App Development	ACM-SAKEC in collaboration with GFX Bandits IT Solutions LLP	22/09/2017 to 23/09/2017

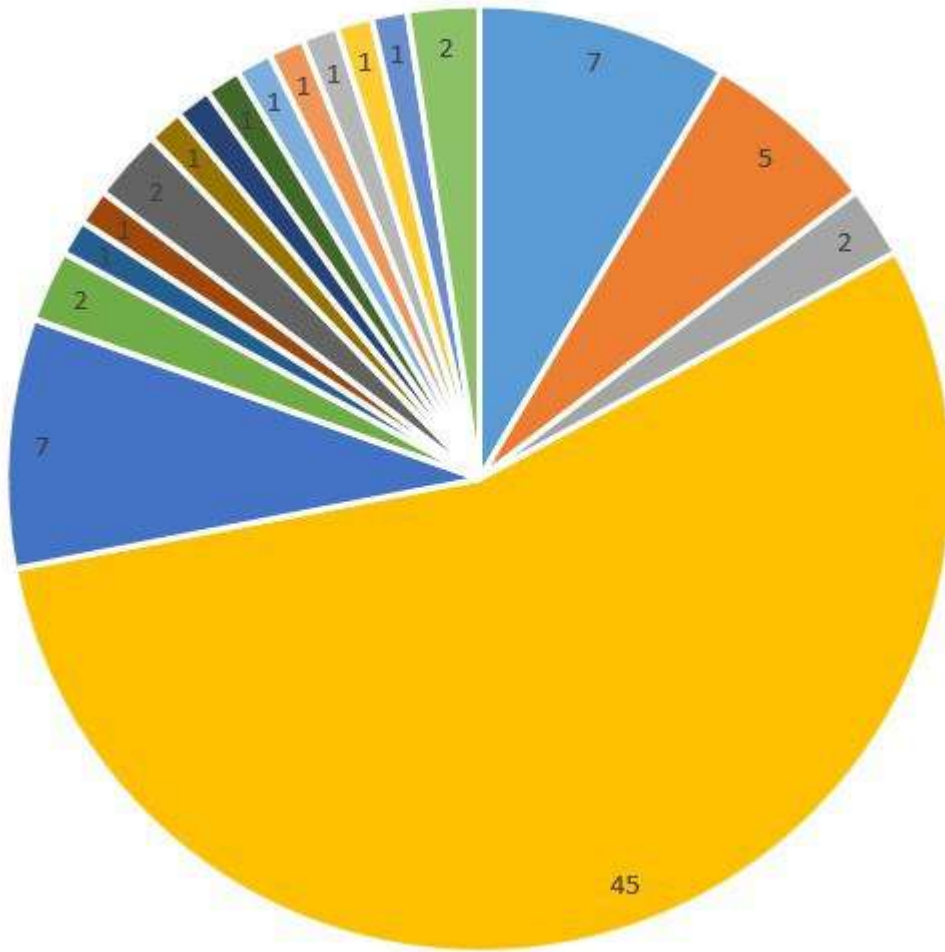
# WORKSHOPS ATTENDED

## BY STUDENTS

Sr. No	Name of Student	Event Name	Conducted By	Event Date
10	Saple Sarvesh, Manan Bhanushali, Chintan Chheda, Atharva Juikar, Akash Shah	Innovative Practices in Teaching & Learning"	CSI-SAKEC	19-01-2018, 20-01-2018
11	Yash sapte, Pratik Sapte	PC Assembly and Configuration	ACM-SAKEC	20-01-2018
12	Aayash Doshi, Manan Bhanushali, Kunal Dubey, Atharva Juikar, Akshay Khanolkar	Robotics	ISTE-SAKEC	25-01-2018
13	Bhavya Haria	C Programming	Kossine, Andheri	Jan 17 to May 17
14	Shubham Vora	Advanced Embedded And Real time Application Design	AICTE-ISTE SAKEC	03/07/2018- 08/07/2018
15	Nikhil Awate	Install Fest-Linux Eco-system	IT and Free software Movement of Maharashtra	07/04/2018
16	Namrata Garude, Mimakshi Dhage, Priti Gavhane, Chintan Chedda	Webathon	Techzilla	28/07/2017- 29/07/2017
17	Kushal Gogri	The Complete Android N Developer course	Udemy	02/02/2018

# PLACEMENTS & HIGHER STUDIES

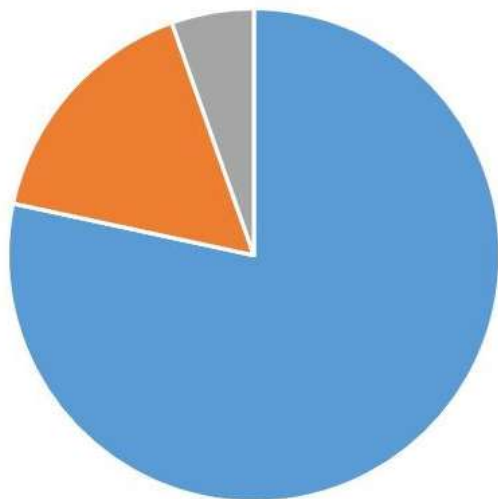
## PLACEMENT REPORT 2017-2018



- Capgemini
- Vistaar
- TCS
- Rave Technology
- Syntel Pvt Ltd
- DXC Technology
- Thirdware Technol
- Meru Mobility Tech Pvt Ltd
- Nividous Software Solutions
- NSEIT
- LTI
- Vistex
- Byju Learning App
- Reliance Jio
- Propellum Infotech
- Kotak\_life
- Eduprime
- Reliance jio

# PLACEMENTS & HIGHER STUDIES

## HIGHER STUDIES REPORT 2017-2018



■ Placed ■ Higher Study ■ Entrepreneur

**8 students were turned into Entrepreneur**

Sr. No.	Name of the Student	Company Name
1	Dhairya Trivedi	DP polymers
2	Kumash Shah	International Digimedia
3	Aadesh khale	www.shunyabit.com
4	Neel Doshi	Techzila
5	Vansh Pandya	Dismantle Media
6	Sahil Sultania	SwiftTech Solutions
7	Darshak Shah	Shivam Drapes
8	Tanuj Jain	@planet Discovery

## 2017-18 Higher Studies

Sr No.	Student Name	Course Name
1	Abhishek Kamble	MS
2	Ashish Kothari	MS
3	Manan Thanawala	MS
4	Mansi Mehta	MS
5	Meet Fariya	MS
6	Neha Shah	MS
7	Nishad lad	MS
8	Parshv Gala	MS
9	Rohan Dodia	MS
10	Sahil Pathak	MS
11	Salil Deshpande	MS
12	Dhruvesh Shah	MS
13	Siddhesh Ghule	MS
14	Ronit Gaikwad	MBA
15	Tushar Musale	MBA
16	Vaishnavi Jadhav	MBA
17	Sohum Shah	MBA
18	Shubham Anchaliya	MS
19	Akasa Parmar	MBA
20	Yogesh Harer	MTECH
21	Vinit Mota	MBA
22	Pooja Lokeshkumar	MBA
23	Aniketh Shetty	MBA
24	Aditya Raut	MBA

# RESULT ANALYSIS

*"The road to success and the road to failure are almost exactly the same."*



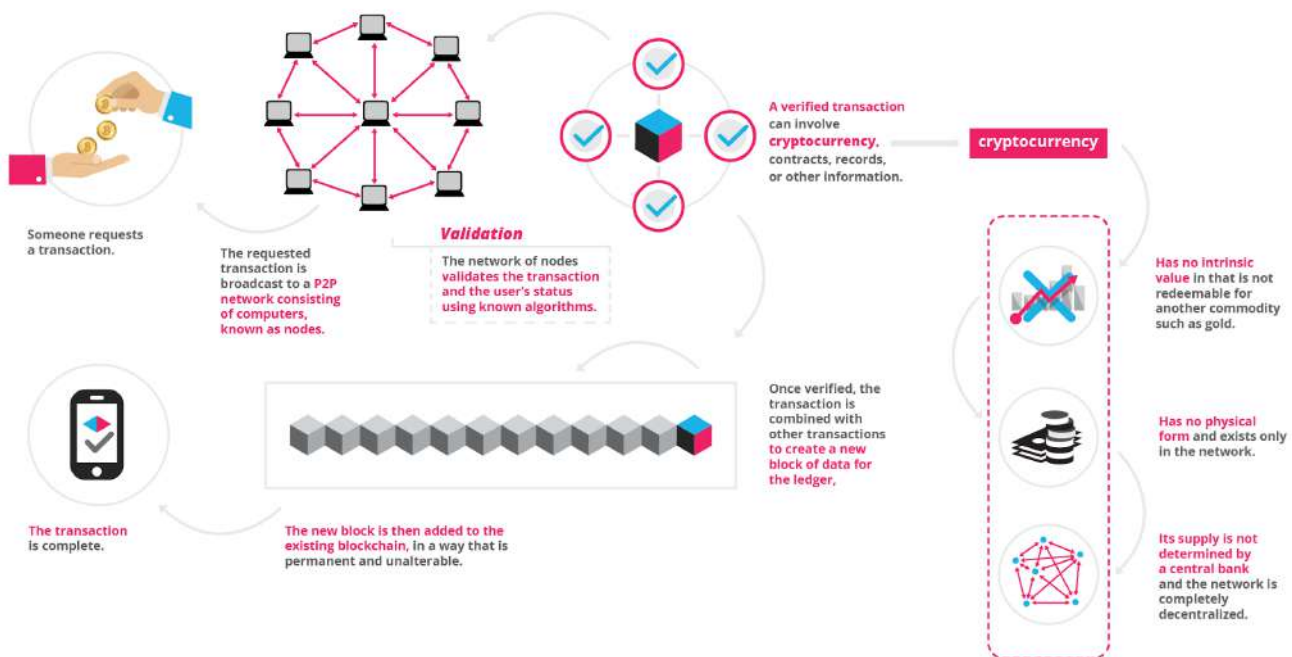
Result Analysis of May 2018

Class (Sem)	Appeared	Pass	Passing Percentage
SE (SEM-IV) CBCGS	213	173	81.22
TE (SEM-VI) CBGS	216	186	86.11
BE (SEM-VIII) CBGS	216	211	97.68



*"Opportunities don't happen.  
You create them."*

## BLOCKCHAIN FOR FINANCE



### Introduction:

Technology allows the world to communicate directly by the means of calling, texting, etc. But when it about the finance or data it is too risky and not easy to trust any third party because our data can be used by anyone for wrong purpose. Block chain is challenging that using the math and the cryptography, generating an open decentralized database of every transaction. The relevant parties authorize every transaction in the ledger. In Simpler words block chain is just a list of records called blocks. They are linked and secured using cryptography. It is a digital event that is cryptographically impossible to fake or manipulate.

### How Block Chain can be use in Finance Field

In its simplest manner, the digital coins and the crypto currencies in the form of coins passed through the electronic network. Whereas virtual currency can also be used, most famously Bit coin but there also other virtual currencies which can be trusted. Security is the most required in a transaction of data as well as in the transfer of money. So the information security is the most important concern while doing a transaction. Generally, we use a third party between the sender and the receiver as a medium. The medium can be a bank, bank gateways (while online transactions) and other e-wallets. They do have our information which is not were secured it can be used by someone to exploit. As nowadays cyber security is very crucial. The third parties can't guarantee us the complete security of our data and the transactions made.

## BLOCKCHAIN FOR FINANCE

It is better to use block chain for security purposes. The records are made on a digital scale. It extends across the globe, with computer users from many countries where each node in the network records and verifies the data of each transaction that occurs within the network. The records stored in the transactions made are comprehensive, permanent and public. This gives a reason to the users to use block chain as their preference for the risky transactions.

### **How It Works?**

In Simple terms, if anyone does a transaction that transaction is a digital block in the block chain. That digital block is verified before the transaction starts. The cryptography is performed for the data. The data can be stored anywhere in the world.

### **Questions include:**

1. Is the money there?
2. Are sender and receiver reliable?
3. Is the request valid?

This method doesn't only guarantee the security, but it also saves the user from the frauds. The most importantly it transfers funds simply, safely and fast.

### **References:**

<https://blockgeeks.com/guides/blockchain-applications/>

<https://www.youtube.com/watch?v=6WG7D47tGb0>

<https://www.quora.com/What-could-be-the-main-problems-concerning-a-blockchain-for-financial-securities>

**VIPUL RANA BE 3-76**

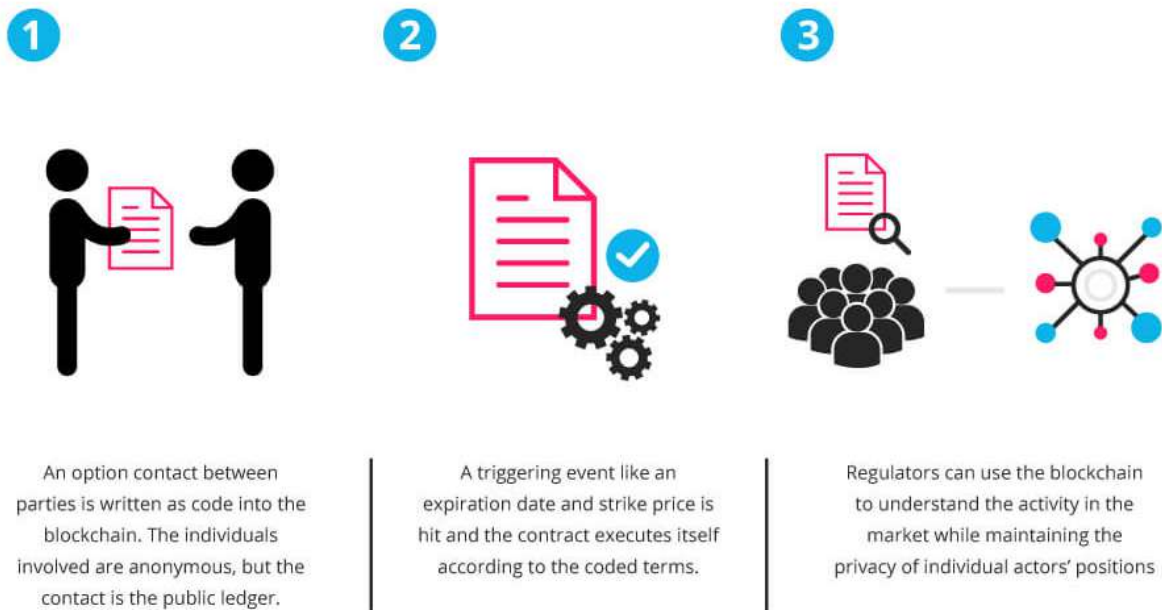
# TECHNICAL ARTICLES

## WHAT IS SMART CONTRACTS? IT'S USE IN MEDICAL FIELD

### Smart Contracts:

Block chain being a decentralized system it gives us one of the greatest advantages it eliminates the intermediaries. It reduces the middle commission. It also saves the time and conflict. Block chain does have its issues, but comparatively, they provide faster, cheaper, and more secure than the existing system. That's the reason the banks and governments are starting to adopt the technology.

Smart Contracts help you to do transactions of money and property without the intervention of the middleman. For example, let us assume a scenario you need to go to a government body to generate a document related to any property or anything else. Smart Contracts changes that you just need to pay bit coin (i.e. ledger) and the document get in your account. The smart contract automatically enforces the obligation but the rules and the penalties too.



### Current Issues in Health Care Sector:

The process for claiming insurances goes through a lengthy process. It takes a lot of time and a lot of paper works. It unnecessarily takes time.

## WHAT IS SMART CONTRACTS? IT'S USE IN MEDICAL FIELD

### Counter those issues using Smart Contracts

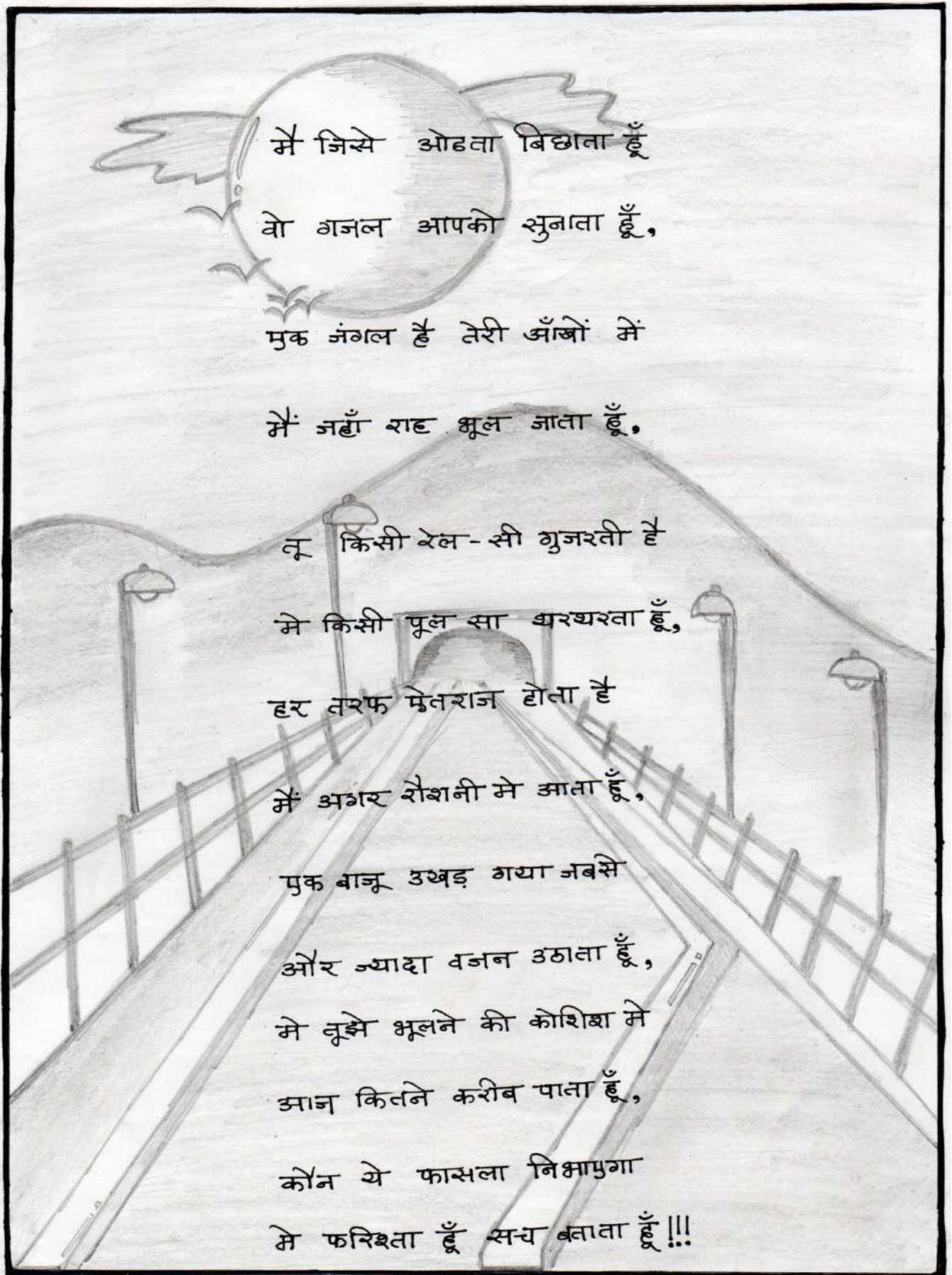
The health record should be encoded and kept in block chain with the key which will only grant access to the authorized individuals. Which makes the data more secure. The receipts of the medical treatment can be encoded and stored in the block chain in a similar way as the user data. That will be automatically forwarded to the insurance company as a proof. This will make the task simpler by reducing the process and secure in the means if the data. Not only that it could also be used in the healthcare sector for many other purposes such as keeping records of the supplies of the medicine, the patient's data, and many other things.

### References:

<https://blockgeeks.com/guides/smart-contracts/>

<https://blockgeeks.com/guides/blockchain-applications/>

**VIPUL RANA BE 3-76**



[ NON-TECHNICAL ARTICLES ]



“Mr. L” from Death Note



“Kakashi Hatake” from Naruto



## AN UNEXPECTED REPLY

Oh Lord! Please save us from these faces,  
They makes us live in traces,  
Handicap, blind, incomplete are the words usually they use,  
While our reserved seats they seem to misuse.

We are different from them they explain,  
And mentally treat as if unnecessary pain,  
Yet on occasions they shower mercy,  
Our silence lights up our fear and pain,  
Don't they understand what do we gain?

When we neglect all these notions and fight to survive,  
They makes us to thrive,  
Enough!! Now listen our reply,  
"You all humans are incomplete,  
Blind to see injustice,  
Deaf to hear truth,  
Mentally disable to accept the reality,  
Handicap to help the poor,  
Thus the insecure mind you gained only make you out of control."

So don't ever think you rule the world!!  
Your these incompleteness made you a slave,  
This provokes your dependency which hinders your success.  
"Thank You as odds established by you now are stones to ours sucess."

But Alas! What we can achieve you can never achieve,  
That's the ability to reserve the seats in the heart of Almighty God!!

If u like my blogs then hit likes, comment your reactions and share with your friends and family!!!

Thanks for reading,  
**SAMIKSHA TAMHANE SE - 4**

# [ NON-TECHNICAL ARTICLES ]

## GOODBYE

Yes

I know,

Goodbyes have never been easy for anyone.

Neither they were going to be easy for me.

It's always easy for us to accept a goodbye from a stranger but it becomes difficult when you hear the same from a near and dear one.

But you know what,

This time there won't be a battle between my mind and heart.

This time I won't try to forget those beautiful memories.

This time I won't have to change my playlist.

This time I won't have to change my passwords.

This time I won't have to delete our pictures.

This time I won't have to worry about the secrets shared with u because I know they are always gonna remain safe within you.

This time I won't have to crave for the midnight talks with you.

This time I won't have to unblock your number just to get a glimpse of you when I miss you.

This time I won't let the memories fade or escape so easily like the other goodbye memories.

The word goodbye here has altogether a different meaning as this time, it is for a close friend.

Because this time ,saying goodbye doesn't mean we won't meet each other again in our lives.

This goodbye is to the thought of all those narrow minded people who think that relationships can't survive the distance.

But I promise you that,

Even though this distance is going to be increased from few meters to several thousand kilometers, it too would not be able to affect our closeness or trust within each other.

**JASPREET SINGH CHIMA TE - 4**

# [ NON-TECHNICAL ARTICLES ]

## HAPPINESS - IT LIES WITHIN HER NAME

Happiness doesn't lie in each and every name you hear.  
But it definitely lies in hearing that one special name.

Happiness doesn't lie in catching the last rays of sunlight in my hands and saving them for my own self.  
Happiness lies in saving them for us.

Happiness doesn't lie in meeting a stranger every day.  
Happiness lies in meeting that one person whom you trust more than your own self.

Happiness doesn't lie in getting those punch lines in my writings.  
It lies in being able to live those moments with her which are difficult to put into words.

Happiness isn't being the richest man in the world.  
For me, it's being the luckiest man in the world having you as my back.

Happiness isn't just me smiling alone in front of the mirror.  
Happiness is seeing both of us smiling together.

Happiness lies in getting puzzled about which quote I should dedicate her. As all of them never felt like they aren't written for us.

Happiness is you being clueless that the person you are narrating the whole prank in detail is the one who has scripted it.

Happiness is knowing the fact that the distance-time factor won't affect your relationship.

The joy lies in seeing the teaser of those little moments getting build into a trailer and ultimately the blockbuster hit of your life.

Happiness, it is truly felt when she feels it on her own rather than me putting it in words.

"You mean everything to me in this whole universe, What will I ever do without you?"

**JASPREET SINGH CHIMA TE - 4**

# [ NON-TECHNICAL ARTICLES ]

## NO MATTER HOW FAR WE ARE

No matter how far we are,  
I will always hope that you are fine.

No matter how far we are,  
We will always be in touch .

No matter how far we are,  
My day will always start with your text

No matter how far we are,  
U will always be the first one to know about me .

No matter how far we are,  
U will always get the space and time, which you deserve.

No matter how far we are,  
Our friendship will always remain strong and blossom like the flora and fauna .

No matter how far we are,  
Our friendship will always be like the chorus and verse of a song.

No matter how far we are,  
No circumstances ever can weaken our bond.  
No matter how far we are,  
My birthday will always be incomplete without your wishes.

No matter how far we are,  
I would always try to make u feel my presence around u even in my absence.

No matter how far we are,  
you will always be my favorite.

**JASPREET SINGH CHIMA TE - 4**

## A TREKKING EXPERIENCE...

I went for a snow trek at Chopta in Uttarakhand in January 2018. We had to trek for Tungnath temple and further above. I've written the experience in the form of a short poem.

We just had to get to the top.

How hard could it be, trekking in the snow we thought.

With every step upwards, towards the top we aspire,

but as the air got thinner, it really became hard to respire.

Some stopped, too tired to move any further,

And some kept going, fueled by the fire within, in this cold weather.

And then we saw it, the flags put at the bend,

Tungnath temple it was, at the very end.

We rushed upwards, happy to finally have seen the end,

And then the guide told us, "There is another peak above", my friend.

We saw it alright,

'Chandrasheela' peak gleaming in the sunlight.

And then he told us to follow him, those who still could,

the others were to wait at Tungnath, and take rest as they could.

We few then followed him, on his led path,

but the path here wasn't easy, not like

the one for Tungnath.

Now with every step we ran out of breath;

Taking breaks we kept climbing, expecting the view to get better,

We ate the snow around, as we ran out of water.

Out of breath, tired and exhausted...

We didn't know how long we could have lasted...

Almost wanting to give up, we looked up.

"Just a little more" we screamed and again stood up.

And then we applauded for ourselves, as we came towards the end,

then we saw a view that we couldn't comprehend.

Snow clad peaks and mountains and valleys, shady blue mountains and the sun shining over, an all around view.

A moment which could only be seen by our eyes and captured in our hearts, not by phones or cameras.

And then we stood, staring at the nature's art,

thinking we would be fools, if we had missed that part.

**AJINKYA P. TUNGARE TE - 4**

# [ NON-TECHNICAL ARTICLES ]

## THE STRANGER'S WEB

"Dinner's ready". I shouted out to my 14 year old son to come down for dinner.

No response.

"He must be busy on his PC again", I wondered.

I went to his room. Guess I was right.

"Hey I called you down for dinner. C'mon turn that machine off."

"Sorry Dad I was busy", he replied.

I peeped into his PC to see what he was doing. He was playing those games again. Those multiplayer online games. Socializing on the web. Chatting with strangers. He is still a kid. Its not safe for him I thought.

"You know son it's not safe for you to be so addicted to the web."

"Why not?", he asked.

I had to come up with something to make him realize. Anything can happen over the web. People can misuse your information. They can trick you into doing something you don't want to do. I had to make him realize that, but not in a harsh way.

"You know son, there are ghosts-"

"Dad", he interrupted. "I am not a kid anymore. I am not gonna fall for such stupid stories of ghosts trying to take over the web."

He was right, I thought. My son had grown up. I'll have to come up with something more relatable to make him understand that the web is a dangerous place. But what?

"Alright son", I started. "Now listen carefully."

He paused whatever he was doing on the PC and turned towards me.

"I am going to tell you about an incident from the past." "Few years ago there was a boy named John. He was not less than your age.

He was addicted to the web, like you are becoming now. He used to spend hours and hours playing online games and surfing the web. He didn't have much friends in real life as he hardly left his house. He lived in a family of four – Father, mother, his younger brother and he himself. His younger brother was a newborn – just around a year old. So he couldn't play with him too and eventually only used his PC for entertainment.

# [ NON-TECHNICAL ARTICLES ]

## THE STRANGER'S WEB

Once while discovering people on those online games, he become friends with a stranger. They both used to help each other in the game tasks, share items with each other and help each other out. They became good chat buddies and eventually became friends. They even started sharing things about their personal lives.

John had his birthday coming up in a few days. This friend of John that he met online told him that he wanted to give a special gift to John on his birthday, but didn't know where he lived. So he asked for John's address. John hesitated for a moment while giving the address but he finally gave it to him thinking it was ok for a friend to know where he lived.

One day while John was watching TV, he stumbled upon a news channel which was displaying the recent robbery and murder in the city. The criminal had murdered everyone in the house and had robbed all their money and valuables.

Hearing this John felt uneasy. He thought if it was really correct to give a stranger his house address. They had become friends over the web but didn't know each other in person. This made him feel guilty. What if that guy is a psychopath? What if he is a criminal? Weird thoughts started coming to him. He couldn't be too sure if he did the right thing. So he finally decided to tell his parents in the evening that he had given their house address to a stranger. But he was afraid as he thought they may scold him and even take away his PC. He didn't know how they would react.

During dinner he wanted to tell his parents but didn't have the guts to do so. He immediately went to his room after dinner without uttering a word. He turned off the lights and tried to sleep. But couldn't because the thought kept worrying him. Finally he made up his mind to tell them.

At that moment the door of his room opened slightly. Two heads peeped into the room. As usual, his mom and dad came to wish him goodnight.

"Mom, Dad, I've something I want to tell you."

No response.

"Mom, Dad?"

## THE STRANGER'S WEB

“He sat up on his bed to see why they weren’t responding. He couldn’t see properly because there wasn’t enough light in the room.

The door slowly started opening more with a sharp creaking sound. John bent forward to see what was going on. His eyes tried to adjust to the imperfect light.

Slowly his vision became clear. He gasped. He couldn’t move. His eyes were fixated near the door. He couldn’t believe what he saw. He started trembling.

He saw a man carrying two heads. The heads of his parents. A trail of blood following him.

“No, No way”, He shouted.

His body was trembling. He didn’t know what to do. How to react. The man was slowly coming towards him. John was too numb with fear to get up from his bed.

The man pulled out a sharp knife.

“No, go away from here. What have you done”, shouted John, now with tears in his eyes.

The man reached near his bed. “Remember me? I am the one who wanted to send you a Birthday gift. Happy Birthday!”, said the man and started laughing hard. He put up his knife to stab him. John was numb with fear. His body started shivering. Somehow managing to pump up his will power, he put all his strength in his legs and leapt out of his bed. He started running away. But the man caught him. He tried to fight. He struggled. But he was too terrified. He was no match for him.

The man stabbed John right in the stomach. He screamed. And slowly his eyes started closing as he lost consciousness.

He saw the baby sleeping in John's room. Hearing all the commotion, the baby had started crying. The man ignored him and went to look around the house.

He found a vault. He broke the vault open and took all the money. He then searched for other valuables like watches or rings. After he got all he could, he started leaving the house. The baby was still crying. His cries were ringing in his ears. He couldn’t leave him alone here. He had his eyes on the wrong house, he thought. He never wanted to end up in a situation where he'd had to kill a small child. But he had no other option.

# NON-TECHNICAL ARTICLES

## THE STRANGER'S WEB

He then walked towards the cradle where the baby was sleeping. He went near the cradle. He was about to kill the baby. He pulled up his knife. He was about to stab him.

But he stopped.

Seeing the innocent face of the small child he just couldn't do it. He threw the knife away. It seems even he wasn't so cruel so as to kill a small child. He then lifted up the baby, took it with him and left the house

He shifted to a new place far away from the boy's house so that he would never come in light of his past. He made sure to give the child everything he wanted. He felt a kind of affection towards the boy. He then took a decision that would change his life forever.

He decided to raise him as his own son.

He named him 'Dave'."

"But dad", my son interrupted, Starting at me with a horrific Gaze,

"My name is Dave."

Starting at me with a horrific

**AJINKYA P. TUNGARE TE - 4**

# [ NON-TECHNICAL ARTICLES ]

## STILL BIRTHDAYS ARE SPECIAL !!

The day on which we as a baby are ready for the life outside the mother's womb is the day special itself for everyone and of course for us as well. ie THE BIRTHDAY !!

So there is a question for you all in which phase of life would this day be more special?..... Waiting for your answers.

### **Post Birth:**

On the day of our birth, even our first cry was a measure of success for everyone. Birthday is the day which has gifted us with many beautiful blood relations firstly- The Family. This day has even given us a unique identity as a human being. On registering the name of the child at the time of birth, an important document for lifetime called "Birth certificate" certifies the birth of a child is issued. So our birthday achieves here an important position in our personal as well as our social life.

### **Post year:**

Then we begin crawling, standing up and eventually start walking. Yes with help of Walker !! So this period is full of excitement for our FIRST BIRTHDAY which is a grand and special day for every child and their families. New dresses, toys and many more cute gifts adds up a new flavor to our life. Well, on the First Birthday, we all as post year babies are happy but at the same time confused thinking what's going on all this ?? Our family is the only in our friends list till now. But still Birthdays post year birth are special!!

### **Childhood:**

It's the age span ranging from birth to adolescence. This time we have gathered a number of friends in our colonies, schools or social networking websites. Now we are aware of our Birthday and it's importance in our life and we invite our friends to the party. Being curious about the gifts received in the birthday party develops our own choice. On the Birthday, the cake arrives with lightening candles which fulfills all our wishes. So Birthday during childhood were full of innocence and excitement.

But still Birthdays during childhood are special!!

### **Adolescence:**

A transitional stage of physical and psychological development that occurs during period from puberty to adulthood. So the Birthday celebrations in this phase is quite thrilling. The friends would wish the birthday boy /girl at noon .Parties even with gang of friends and even dinner with family. Now gifts are make up kits, board games, celebration boxset....

But still Birthdays during adolescence are special!!

# [ NON-TECHNICAL ARTICLES ]

## STILL BIRTHDAYS ARE SPECIAL !!

### Adulthood and old age:

The period in which we have attained maturity finally!! So now late night parties are shared with beloved ones and the form of Birthday changes to Birthday bash!! We get first Birthday Wishes on Facebook, Instagram, WhatsApp, etc that too by their reminders. Now gifts are smart phones , designer dresses, costly watches and what not. Cakes are applied to the face of Birthday guy and then the party begins. While for some only bottle of wine with friends is enough for enjoying the Birthday.

But still Birthdays during adulthood are special!!

Old age is the last phase of life so till then mostly people forget their Birthdays or if they are that lucky then their grandchildren or children puts up a fabulous party on their 50th,60th,.. birthday . During this time the oldies going back to the flashback of childhood and thus behave like a small child. Now gifts are shawls, sarees, spectacles, walking stick, etc. So birthdays during old age are peaceful!! But still Birthdays during old age are special!!

So in every phase of life the style of celebrating Birthday changes just as the phases of a moon which is special in its every phase.!!

If u liked my blog u can share it with your friends and family !!!

**Thanks for reading,  
SAMIKSHA TAMHANE SE- 4**

# [ NON-TECHNICAL ARTICLES ]

## QUESTIONS OF A NEWLY BORN GIRL

One fine day one baby girl stepped out of her mother's womb with many questions disturbing her tiny head.

She cried & cried & showed so as to call a warning for everyone.

"Muma, Oh Dear Muma I don't want to live in this world since it is not safe as your womb. I saw a woman burying her own girl child which would have been her life. OH yes, I saw it through your eyes, Don't you remember? The girl asked. Muma, why are they so cruel towards us ? We all are children of our Mother Earth & we are only present here for just making her feel secure by being caretaker of her family. Who has given us the right to take away one's life?

Life & Death are natural phenomena's but hasn't it now become like a game? Don't they understand this little thing!! Surely then it reflects their insecurity about their life. How can such thought secure one's life? For everyone in the world so says that no one is as strong as a mother so I would ask ,Why is that so???

Smiling towards her the mother replied, "Look child, the world is a mirror which reflects everything before us but rather we have fail to have the vision of understanding & admiring it. Every Mom is strong like our Mother Earth to fight for her rights & for teaching us a life's lesson. Every mother is insecure about her child been lost in this mirror world. She is worried for their present, future & the life without them.

Yes!! Mom I don't want to live here for everywhere women are looked upon as a source of entertainment ,no one has a different vision for a molested girl or an ordinary one or a milk feeding mother or a sex worker. Self Respect is the only snow that has melted away her dignity to live. Now she finds herself as musk deer whose life is always in danger now and then.

Don't they feel that we are in a ecosystem & everyone's life affects her life & we need to balance her.

Technology has taken away our ethics but now did our ethics fall prey to our made technology so is it a human error or a predefined error??

So this what's called gender discrimination in our words but I would clarify it as a human discrimination. No no... This world is not good for me. So I don't wish to live here.

## QUESTIONS OF A NEWLY BORN GIRL

But child we are only killed but many of our brothers have to live a dead-ly life. They are unheard when they cooked, danced for their whole life. If men and women face such issues then what about lesbians and gays? Now I would ask you why do we have to think how to live in this world?

Baby I understand you as I have gone through these barriers of our backward mentality. But let me tell you about our sisters like Tarabai Shinde, Savitribai Phule, PV Sindhu & many brothers like Mahatma Jyotiba Phule, Mahatma Gandhi, Chef Sanjeev Kapoor, etc. Who brought up a new world with positive thoughts & their actions have reflected it successfully.

So don't worry baby because you was safe inside my womb & now you have to stay safe in this world. This world is a mirror which reflects us, our actions & thoughts i.e. Good reflects Good & Evil reflects Evil so this all are different corners of a mirror we have to decide whether to make it shine or not.

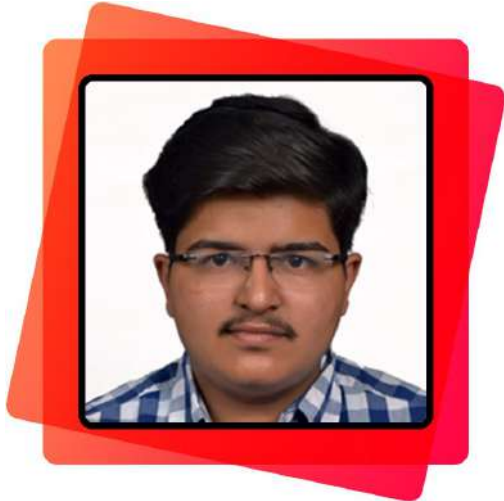
Listen child always try to take good judgement. You had only seen the back of mirror & made a hasty decision so always think from all sides & corners because every mirror has 2 sides.

Yeah Mom, now I realized how beautiful life you have gifted me. Thank you Mom and Dad now I remark my words," I will live here ,Now I would close my eyes to find solutions of this puzzles within my inner soul. If u like my blogs hit likes, comment your reactions and share with your friends and family!!!

Thanks for reading,  
**SAMIKSHA TAMHANE SE- 4**

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AVERAGE GPA - 9.5



**BAMBOLI NIRAJ**  
AVERAGE GPA - 9.4

## SECOND YEAR



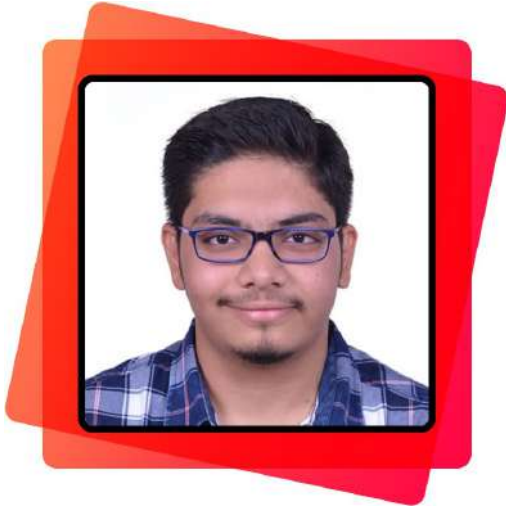
**KHANOLKAR AKSHAY**  
AVERAGE GPA - 10



**SAWANT RUCHA**  
AVERAGE GPA - 9.77

# TOPPER'S LIST 2017-18

## THIRD YEAR



**DAND MAYANK**  
AVERAGE GPA - 9.75



**GIRKAR VRUSHALI**  
AVERAGE GPA - 9.42

## FORTH YEAR



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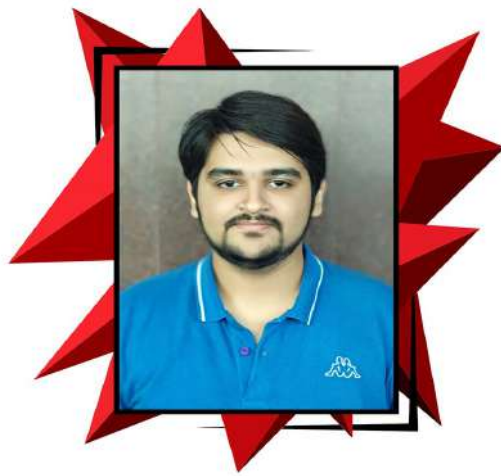
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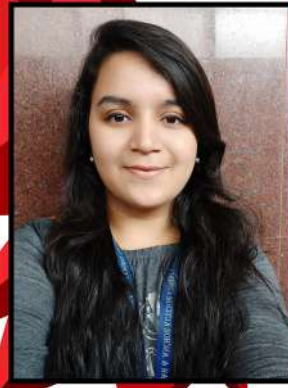


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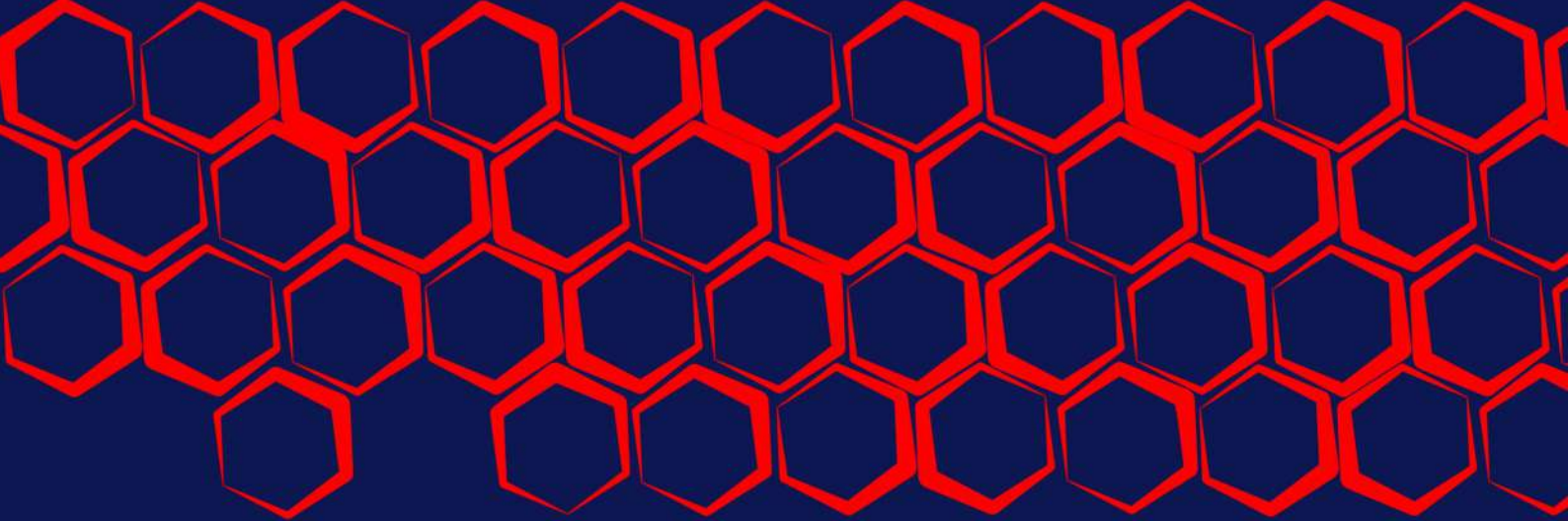
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