

**DEPARTMENT OF COMPUTER ENGINEERING**  
**Annual Report 2018-19**

**1. Academic achievements**



In Smart India Hackathon 2019 Swarika Bosale, Apurva Mhatre, Ajun Nair, Aakash Nair, Aditya Loke of third year computer engineering won the 8 th position in software category



Students from TE CE Mahadevan Iyer, Ajun Nair, Akhilesh Panicker, Ashutosh Dhondkar were 1st Runner up in Deep Blue project in 2019 conducted by Mastek.



Prof. Rajesh Kadu has completed his Ph.D. from Sant Gadge Baba Amravati University Amravati in the month of May 2019

Ms. Pranita Mahajan took admission to Ph.D. in December 2018 at NIIT, Surat (Gujarat).

Ms. Varsha Patil received Gold certificate with 92% in R and top 5% rank in Machine Learning course, conducted by NPTEL in October '18 examination.

Ms. Pranjali Thakre and Ms. Vaishali Bhujade has cleared Mumbai university PET examination held in Dec 2018.

## 2. Collaborative/MOUs

- Computer engineering department has signed MoU with Red Hat India Private Limited on 15 October 2018 for one year.



- Department is in process of signing MOU with CADD center, vashi, Navi Mumbai.

## 3. Department Initiatives

- Final year students project identification for patenting and publications.

- As a part of change of syllabus department has organized orientation program on course “**Cryptography and System Security (CSC604) & System Security Lab (CSL604)**” on behalf of University of Mumbai on 15<sup>th</sup> January 2019.
- CE department has started conducting workshops/SDPs on various security tools for students of all departments. Two paid workshops namely on “Network security and ethical hacking” from 18 Dec to 22 Dec 2019 and “Ethical hacking” from 2nd Jan to 6th Jan were conducted in collaboration with Unotech Soft Ltd, 9 Th Legend.



- To improve placements and technical skills of students, technical quizzes, aptitude lectures, weekly code chef activities followed by coding competition were conducted.
- Eight faculties have completed training on twelve various courses conducted by NPTEL.
- To increase student’s participation in National level Smart India Hackathon (SIH), a seminar was conducted on 1st Oct 2018.
- To make students competent with industry expectations Seminar on “Industry Expectations from Engineering students” was conducted by our alumni Abhilash Agarwal.

The CSI Student Chapter of SIES Graduate School of Technology organised a national level project competition, INNOVATIONS, on 15<sup>th</sup> March, 2019. Mr. Aniket Mhala, Global Technology Head– Agile, as the chief guest for the event. Total 45 projects from various domains of engineering were demonstrated.



#### 4. Academic /technical achievements of students

- Two teams, one in software category and one in hardware category has participated in SIH 2018 conducted by AICTE. Software category team secured top 8th position in it.



- Five teams of 20 students have participated in Deep Blue project for the AY 2018-19.
- Three teams of 12 students have participated in Hackathon at K.J. Somaiya, Mumbai conducted in month of February.
- Aditya Kulkarni from BE CE is awarded by Google Certified Associate Android Developer. He

has cleared CCDSAP Foundation Exam.

- Kamleshwar Ragava from BE D represented SIESGST in competition organized by NMMC under disaster management and secured 8th rank and funding of INR 50,000 dated 7th July 2018.



Third year computer engineering students Sayali Patil, Venkatesh A, Suyash J, Shantanu Ghar won first prize Err\_404 Hackathon Saboo Siddik College of Engineering

- Aditya Parthasarthy, Winner of Grey Matters 2.0(Online Quiz) Conducted by Reliance during 13<sup>th</sup> Aug to 11<sup>th</sup> Sep 2018.
- Rishil Ramesh and Pratik Amin from BE D Completed RED HAT LINUX certification.
- Sanoop Menon from TE C Won Bug4Ever Coding Competition held at SIES GST, Nerul.
- Omkar Prabhu from BE D has Completed Machine Learning Course from Stanford University and Deep learning specialization course under Coursera.
- Final year students Harish B, Aditya Kulkarni, Kamleshwar R participated in Smart India hackathon conducted at Sathyabama Institute of Science and Technology (Deemed to be University) ,Kanchipuram,Tamil Nadu,won the special Special Appreciation from Ministry of Civil Aviation.





- Final year computer engineering students Aditya Kumar, Kartik Rajesh, Rammya Iyer won first prize in national level project competition Electrowiz ,held at Datta Meghe college of Engineering ,Airoli.in April 2019.
- Kumaran P from BE C was nominated for ISTE awards. His project group was shortlisted for final round of ‘Avishkar’, a national level project competition conducted on 2nd Jan2019 at RAIT, Nerul.
- Pritam Negi from BE D Completed ""CS229: Machine Learning"" course offered by Stanford University on Coursera on 12th June2018. He has successfully passed Codechef “Data Structures and Algorithms Programme” Foundation Level certification Exam on 8th July 2018. He has also completed "Neural Networks and Deep Learning" course offered by Deeplearning.ai on courser.
- Two Second year CE Students Senthil T and Siddharth Byale were selected for finals in Anveshna Project competition



- TECE students were selected for finals for SIH 2019 Chinmay Chandak,Arvindraj T,Chetan Ade,Saijayanth,Jhanvi Dubule and Sonal Kuchekar



## 5. Sports achievements

- Shivshankar Secured 1<sup>st</sup> position in cricket auction Intra College.

## 6. Cultural achievement

- Ms. Ritu Rao secured first Runner up position in “Miss Teen Tiara India 2018 in Feb 2018.
- Ms. Ritu Rao also secured first position in “Miss Teen Tiara India 2018 Beauty with Purpose in Feb 2018.

## 7. Faculty achievements/Research grants

### 1. Research grants (Minor Research Grant for 17-18)

- Dr. Rizwana Shaikh, and Mrs. Masooda Modak submitted research grant proposal on topic “Fog Computing for Smart Transportation” under area of Internet of Things.
- Mrs. Kalyani Pampattiwar and Anindita K submitted proposal for “Smart Agriculture using Fog Computing”, under area of IoT and Fog Computing.
- Mrs. Pranjali S. Thakre and Ms. Vaishali G. Bhujade have submitted proposal on topic “Smart Wardrobe” using IoT.

- Mrs. Preeti Godbole and Ms. Ujwala Ravale submitted proposal on “Vehicle number plate detection using IOT and deep neural Network”, under area of Internet of Things, Deep Neural Network.
- Prof Aparna Bannore submitted proposal on “Cyber Security for IOT networks”, under area of Internet of Things and Security.
- Ms. Suvarna Chaure and .Prof Aparna Bannore submitted proposal on “Blockchain for IOT security”, under area of Internet of Things and Security.

## 2. Online Courses

- Dr. Rizwana Shaikh successfully completed course on “Blockchain Architecture Design and Usecases” offered by NPTEL.
- Ms. Varsha Patil honored with Elite certificate in course “Introduction to R software” and secured top 5% rank in “Introduction to Machine Learning” offered by NPTEL
- Ms. Masooda Modak honored with Elite certificate in course “Introduction to Machine Learning” offered by NPTEL
- Ms. Namrata Jiten Patel honored with Elite certificate in course “Introduction to Internet of Things” offered by NPTEL. She has successfully completed online course on Python offered by Udemy.
- Ms. Anindita Khade honored with Elite certificate in courses “Introduction to R software” and “Introduction to Machine Learning” offered by NPTEL
- Ms. Pranjali Thakre honored with Elite certificate in course “Programming, Data Structures and Algorithms using python offered” by NPTEL
- Ms. Vaishali Bhujade honored with Elite certificate in courses “Introduction to R software” and “Problem Solving through Programming in C”. She has successfully completed course in “Programming Data Structures and Algorithms using python” offered by NPTEL
- Ms. Kalyani Pampattiwar has successfully completed 12 week course in “Computer Network and Internet Protocol” offered by NPTEL offered. She has successfully completed online course "[Hacking in Practice: Certified Ethical Hacking MEGA Course](#)" offered by Udemy.
- Ms Kranti Bade has successfully completed online course on Python offered by Udemy.
- Ms. Ujwala Ravale has successfully completed online course "[Hacking in Practice: Certified Ethical Hacking MEGA Course](#)" offered by Udemy.

## 3. Publications

- Prof. Varsha Patil, Bade Kranti, Yashashree Bendale published paper on “An Optimized use of Smart AirConditioner using Cognitive IOT”, in National Conference on “The Things Services and Applications of Internet of Things”, Gandhi Institute for Education and Technology (GIET) Baniatangi, 23-24 March 2018, pg. 13-19,ISSN: 2321-8363.
- Prof. Preeti Godbole has published paper on "GPU Accelerated Code Optimization: Leaf Disease Detection", in International Research Journal of Advanced Engineering and Science ISSN (Online):



2455-9024 (IRJAES), May 2018.

- Prof. Sunil Kumar Punjabi has published paper on “Audio Stegnography Using genetic Algorithm” in International multidisciplinary e-research journal March 2018 vol 5 issue 1.
- Prof. Aparna Bannore has successfully published a paper on “A COMPREHENSIVE REVIEW OF COMPUTER FORENSICS” in International Journal of Computer Engineering and Applications, Volume XII, Issue VII, July 18, www.ijcea.com ISSN 2321-3469.
- Prof. Pranita Mahajan has successfully published a paper “Aspect based opinion mining of code mix text” in Journal of applied science and computations, Oct 2018.
- Prof. Pranita Mahajan has successfully published a paper “An IOT based system for water quality Monitoring” IEEE, ICNTET Sept 2018.
- Prof. Anindita Khade, Dr. Rizwana Shaikh, Prof. Masooda Modak, Prof. Kalyani Pampattiwar, “ A smart and prognostic approach to park vehicles using IOT”, JASC, Volume V, Issue XII, Dec 2018, DOI: 16.10089/JASC.

## 8. Seminars/workshops organized by departments

### FDP

#### 1. STTP

- Department of Computer Engineering in collaboration with other department has organized Faculty Development Program on “Geoinformatics and Related Open Source Technology” dated 10/01/2019 to 12/01/2019.



- Department of Computer Engineering and Information Technology jointly organized AICTE-ISTE approved Short Term Training Program on “Computer Network and Security” from dated 15/11/2018 to 22/11/2018. Total **34** number of participants have attended this training.



- Department of Computer Engineering organized one day Faculty Development Program on “Networking with LINUX” dated 5/08/2018. Total **33** numbers of participants have attended this training.



## 2. Workshop

- Department of Computer Engineering organized Workshop for students on “Embedded Systems”,

on dated 21/07/ 2018 under CSI Council. Total 7 students of Computer Engineering department has attended this workshop.



- Department of Computer Engineering organized Workshop for students on “Android Programming”, on dated 04/08/ 2018 under CSI Council. Total 36 students of Computer Engineering department, 18 students of EXTC department, 1 student from Information Technology department and 01 student of PPT has attended this workshop.



- Department of Computer Engineering organized Workshop for students on “PC Assembly”, on dated 11/10/ 2018 under CSI Council. Total 70 students of Second Year from host department were participated for this event.



- One day workshop on KOHA and Library Automation under the National Mission on Education

through ICT, MHRD, New Delhi organized at our remote center on dated 12/10/2018 and Network Administrator was Mr. Saikrishna who also received one day training for conduction of this workshop from IIT Bombay. A total participant for the workshop was 08.



### 3. Seminar

- Department of Computer Engineering organized Seminar for students on “Code chef Activities”, on dated 14/08/2018, under CSI Council. Total 40 students of Computer Engineering have attended the seminar.



- Department of Computer Engineering organized Seminar for students on “Technical Paper Writing”, on dated 27/07/2018, under CSI Council. 78 students from Computer Engineering department have attended this event.



- Department of Computer Engineering organized Seminar for students on “Industry Expectations from Engineering students”, on dated 1/08/2018, under CSI Council. Total number of participants for this seminar was 121, from Computer Engineering.



- Department of Computer Engineering organized Seminar for students on “Smart India Hackathon”, on dated 1/10/2018, under CSI Council. This seminar was attended by 135 students of Computer Engineering.



#### 4. SDP

- Department of Computer Engineering conducted Student Development Program with Internship on “Ethical Hacking and Security” on dated 2/1/2019 to 5/1/2019 and 13/01/2019, under Centre of Excellence – e-Security. The target audience were from First Year and Second year. Total no. of participants for the event was 38.
- Department of Computer Engineering conducted Student Development Program on “Network Security and Ethical Hacking” on dated 18/12/2018 to 22/12/2018, under Centre of Excellence – e-Security. No. of participants for the event was 19.



- Department of Computer Engineering conducted Student Development Program on “Ethical Hacking and Security” on dated 13/06/2018 to 19/06/2018, under Centre of Excellence – e-Security. Total 9 students attended the event.
- Department of Computer Engineering conducted Student Development Program on “Web Application Security and Ethical Hacking”, on dated 11/06/2018 to 15/06/2018, under Centre of Excellence – e-Security. No. of participants for the event was 22



- Department of Computer Engineering organized “Coding Competition”, for students on dated 14/08/2018, 4/09/2018 and 5/09/2018 under CSI Council. 37 students from Computer Engineering, 08 students from Information Technology, 4 students from EXTC, 1 student from PPT and 1 student from MCA attended the event.



- Department of Computer Engineering organized “Android App Development Competition”, for students on dated 07/09/2018 under CSI Council. Total 25 students from Computer engineering department were attended the event.



- Department of Computer Engineering organized “Code chef Activities”, for students on dated 21/09/2018 and 28/09/2018 under CSI Council. Total 42 students of second year Computer Engineering department were attended the event successfully.



- Student Development Program on “GD PI and Role Play” for final year students of CE/EXTC/IT and MECH, on dated 23/08/2018, under Career Development Cell.



## 5. Internship

- Neha Jagtap completed internship of 3 months in Studyleague It Solutions.
- Sumeet Hande and K. V. Ashish completed internship of 1 week in ExpertsHub.
- Aaditya Gurav completed internship of 1 month in &T InfoTech.
- 3 students completed the Internship of 4 weeks.
- 1 student completed SDP on Machine Learning with R of 4 weeks.
- Aparna Iyer has completed internship of 4 days in Indian Railway.
- 8 students have completed SDP on ANDROID COURSE of 15 days duration.
- Aakash Maji completed 1 month internship at Sahu Technologies.
- Mahadevan N completed AITSPL AI Internship of 10 days.
- Aditya Loke completed AITSPL AI Internship of 3 months.
- Rakshita Iyer completed two weeks internship from L&T.
- Soumya Iyer completed four weeks internship form Trivia Software.



- Arun Nair of BE CE has completed one month internship from TCS dated 11 Jun- 11 Aug 2018.
- Vipul Singh of BE CE has completed five weeks internship from mobicule dated 12 Dec to 16 Jan 2019.
- Uday Nair of BE CE has completed one month internship from Dxc.technology dated 1st Jun to 30th Jun 2018.
- Omkar Prabhu of BE CE has completed six weeks internship from Unotech software Pvt. Ltd. 4th Jun to 13th July 2018.
- Harish B of BE CE has completed one month internship from Denkali dated 10th Dec to 10th Jan.

## 9. Seminars/workshops attended by departments

- 18 Faculty members of Computer Engineering department attended the AICTE-ISTE approved Short Term Training Program on “Computer Network and Security” on dated 15/11/2018 to 22/11/2018.
- Faculty members were attended one day Faculty Development Program on “Networking with LINUX” on dated 5/08/2018.
- Prof. Varsha Patil, Prof. Masooda Modak, and Prof. Anandita Khade attended Faculty Development Program on “Introduction to Machine Learning” offered by NPTEL.
- Ms. Vaishali Bhujade attended Short Term Training Program on “Blockchain Technology”, organized by KDK college of Engineering, Nagpur from 3/12/18 to 8/12/2018.
- Dr. Rizwana Shaikh, Prof. Rajesh Kadu, Prof. Preeti Godbole, Prof. Masooda Modak and Prof. Kranti Bade attended Faculty Development Program on “Geoinformatics and Related Open Source Technology”, organized by SIES-GST and Osaka City University, Japan on dated 10/01/2019 to 12/01/2019.
- Dr. Rizwana Shaikh, attended Faculty Development Program on “Blockchain Architecture Design and Usecases” offered by NPTEL in October.
- Prof. Namrata Patel has attended Faculty Development Program on “Introduction to Internet of Things” offered by NPTEL.
- Prof. Sunil Panjabi attended the orientation program for TE-CE on subject Software Engineering at K. J. Somaiya Institute of Engineering and Information Technology Sion, on dated 11/01/2019.
- Prof. Masooda Modak and Vaishali Bhujade has attended orientation program for Data Warehouse and Mining at Don Bosco Institute of Technology, Kurla dated 08/01/2019.
- Prof. Prachi Shahane and Prof. Anandita Khade participated in orientation of System Programming and Compiler Construction at RAIT, Nerul dated 09/01/2019.
- Prof. Kalyani Pampattiwari and Prof. Ujwala Ravale have attended orientation of “Cryptography and System Security (CSC604) & System Security Lab (CSL604)” on behalf of University of Mumbai, dated 15/01/2019 at SIES-GST, Nerul.
- Prof. Priyanka Sherkhane have attended orientation program for Enterprise Resource Planning at Shah & Anchor Kutchhi Engineering College, Chembur on 17/01/2019.

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