■ **Achievements**

Department of Computer Engineering received accreditation for 3 years from the National board of Accreditation.

Following First Year Engineering students are University Rankers in May 2019 exam:
Roshan Wagh - 5th Rank
Adwait Gondhalekar - 7th Rank
Trupti Patil - 9th Rank

Andrew Kamble worked on the project "Expanding the receiver to BEIDOU B1C" with open source organization GNSS-SDR under *Google Summer of Code* .
Following two teams of Computer Engineering Department, have qualified for the Final round of Smart India Hackathon 2020 in the software category.
Team 1:
Ashutosh Srivastava, Vinay Deokar
Team 2:
Shivani Gosavi
Gauri Sonawane
Rutuja Patil
Vaishali Pomnar
Abhishek Aher
Ankita Musale

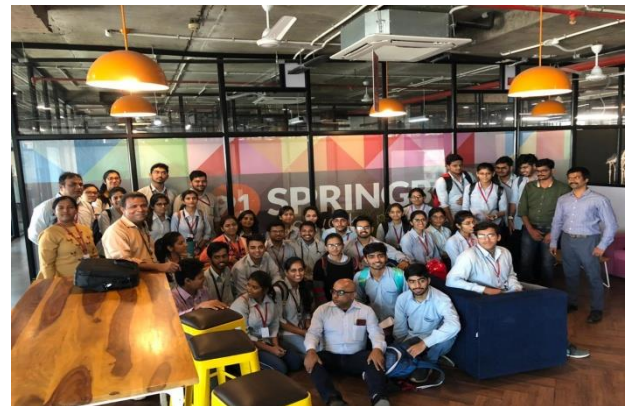**Vaibhav Bhavsar selected in Intel Edge AI Scholarship Program**
Sameer Morankar , Vaibhav Kulkarni , Deviprasad Sharma , Ritesh Moolya received 3rd Prize in 4th CSI Regional Level Project Competition 2020 for the project titled "Virus Detection and Localization in blood cell images using Machine Learning"

■ **A Hands-on workshop on LaTeX by Debuggers' Club**

A Hands-on workshop on LaTeX was organised by Debuggers' Club , Computer Engineering Department on Saturday 28th December 2019. This workshop was conducted by Mr. Tejas Sanap (from Pune) at Object Oriented Programming Lab (Computer Dept.). Prof. Dr. S. S. Sane (HOD, Computer Department) felicitated Mr. Tejas Sanap and Mr. Sarang Chandwadkar gave introduction about him. This workshop was conducted in the presence of Prof. C. R. Patil, Prof. S. K. Gondhalekar and Prof. P. D. Rakibe. This workshop was organised for the TE students of Computer, IT and E&TC

■ **Industry Visit to 91SpringBoard 7th Block, Koromangala, Bangalore**

The Department of Computer Engineering of K. K. Wagh Institute of Engineering Education and Research, Nasik organized an Industrial visit to Bangalore on 9th December 2019. Total 34 students from third year Computer Engineering with the staff members Prof. D. M. Kanade & Ms. M. C .Shewale had joined this industrial visit. Students visited freelancers and business owners with a start-up mindset companies like Spring Board, Flutura, NASSCOM, SmartCricket.com. They were introduced with the corporate culture and get familiar with start-up processes, manufacturing process and applications of AI in IoT & in sports sector. Students also got opportunity to take a round of the companies at a glance

Prof. Dr. S. S. Sane awarded with Lokmat Prerna Purskar on 25th January 2020

Student Branch of CSI, KKWIEER awarded as "Best Accredited Student Branch" at 53rd CSI Annual convention 2020, held at KIIT University, Bhubaneswar.

Mahima Gaikawad and Anuja Dixit awarded as "Highest Committed Student Branch Activist" at 53rd CSI Annual convention 2020, held at KIIT University, Bhubaneswar.

From left Durgesh Pachgare and Sumit Dhandale ranked in Top 50 in CSI Discover Thinking Programming Contest, Prof. A.V. Kolapkar with Best Accredited Student Branch Award, Mahima and Anuja at 53rd CSI Annual convention 2020.

■ **Workshop by Red Hat Academy by Debugger's club of Computer Department**

On 10/01/2020, a Workshop by Red Hat Academy was organized by Debugger's club of Computer Department. The main vision of this workshop was to bridge the gap between education and IT-Industry. This workshop focused ideally over performing Red Hat and AWS Based practical with student participation. Workshop was conducted in two sessions. First session was taken by Mr. Gayas shaikh on career guidance and second session by Mr. Mahesh who guided on cloud, shell, linux and domains

■ **Prof. Dr. S. S. Sane felicitating Mr. Manoj Wakchaure for successful completion of Ph D**

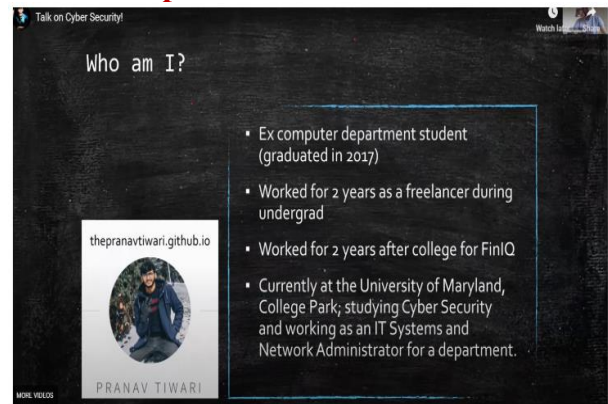**Expert talk on the Digital Marketing**

On 11th, February 2020 Friday an expert talk on the Digital Marketing was conducted in the Jon Von Neumann hall in the Computer Department for third year student under audit course. The Expert talk was conducted by Mr. Pavitra Takle who is the CTO of Krishna Web Digital. He explained about process, mechanism of digital marketing with examples. Expert Talk Coordinated by Prof. Dr. S .S. Sane, Ms. I. Priyadarshani, Ms. A. V. Taware and Mr. D. M. Kanade

■ **Parent Teacher Meet on 08th February 2020**

Parent Teacher meet was organized by Computer Engineering Department on 08th February 2020 in Panini Hall. Parents of FE, SE, TE, BE Computer Engineering students were invited for the same. The objective of the meet was to strengthen the relation between parents and teacher, enhance academic environment discuss the progress and performance of the students .Also to provide them information regarding college and department achievements and infrastructural facilities. Initially parents were welcomed by Prof. M. N. Shinde followed by brief presentation of Computer Department by Prof. N. M. Shahane. Parents interacted with class coordinator to discuss the performance of their ward. Prof. Dr. S. S. Sane, head of Computer Engineering department guided the parents regarding about their wards career and address the queries of the Parents. Prof. V. N. Suryawanshi demonstrated use of ERP for knowing the attendance and academic details of the students to parents. Total 50 parents attended the meeting. Parents found it to be an informative session and they provided their views about the event. At the end meet was concluded followed by parent's feedback.

■ **Expert talk by Mr. Pranav Tiwari through Zoom in April 2020**

An Expert talk on "Cyber Security " by Mr. Pranav Tiwari , Network Administrator, University of MaryLand, US was arranged for Third year Computer Engineering Students on 18-04-2020 through Zoom with the objective to make students aware about network attacks and various security measures. Mr.Pranav ,during his session demonstrated SQL injection as well as gave introduction about Kali Linux. It was an informative session and 65 students along with 4 faculty attended the session.

■ An expert talk on the topic "Software Testing" was conducted on 20th April 2020 using Zoom
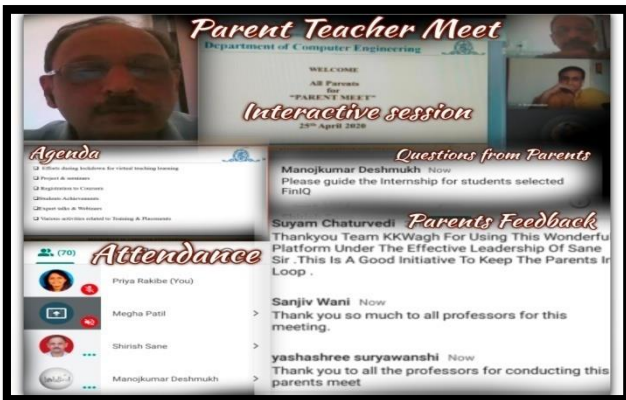
An expert talk on the topic "Software Testing" was conducted on 20th April 2020, 11:00 to 11: 40 am. The mode of conduction of expert talk was through Zoom Application. The main objective of the talk was to introduce TE students to the different software testing techniques used in the industry.

The session was conducted by Ankita Deshpande, Software Developer in Test, Rocket software, Pune. Following topics were covered in the Expert Talk:

- Software Testing
- Types of testing: automated and manual testing

85 students of TE computer engineering attended the session. Activity was coordinated by Prof. S. T. Patil and Prof. S. D. Jadhav under the guidance of Prof. Dr. S. S. Sane, Head Department of Computer Engineering.
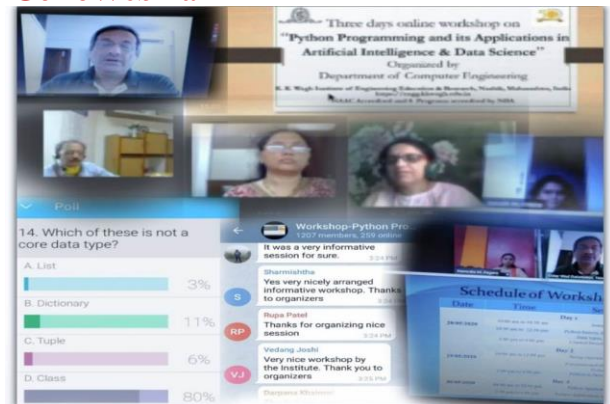
■ Virtual Parent Teacher Meeting using Google Meet

Virtual Parent Teacher Meeting was conducted on 25th April 2020.The main motive of the meeting was to interact with parents in the wake of the lockdown due to the Covid-19 outbreak, institute has found ways to carry on studies by using various online platforms and to have parent's opinion/suggestions to make this e-learning process more effective. Prof. Dr. S. S. Sane, Head, department of Computer Engineering addressed the parents and highlighted the efforts taken by the faculties, and how they are working systematically by preparing study material for students. Focus on not just academics but various other activities to improve skills as well. Prof. Dr. S. M. Kamalapur, Academic coordinator, had informed parents about the modalities of running classes and all other efforts taken during the lockdown. Status related to student projects, various online certification courses sponsored(course era) / suggested by the institute, efforts taken by students (achievement) during this lockdown, expert talk organized by the department, various webinars and faculty development programs attended by the faculties to improve their skills, various activities conducted by T & P cell were also presented by concern coordinators. As it was the interactive session parents were also came forward with the questions the .Prof. P. Shahabadkar ,T & P officer and Prof. Dr. S. S. Sane guided well on all the questions and cleared parent's doubts. Parents were very thankful to the institute for such kind of initiatives. Prof. Dr. S. S. Sane proposed a vote of thanks. The meeting was coordinated by the Prof. M. J. Patil along with Prof. P. D. Rakibe ,Mrs. R. A. Palde and all the faculties of the department.

■ 3-Days National Level Online Workshop on "Python Programming and Applications in Artificial Intelligence and Data Science" using GoToWebinar
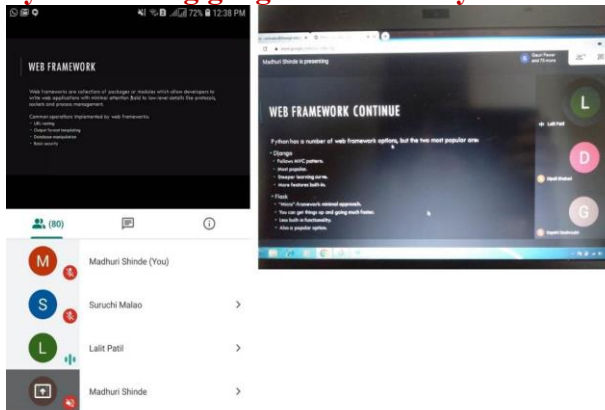

3-Days National Level Online Workshop on "Python Programming and Applications in Artificial Intelligence and Data Science" was conducted from 28th May 2020 to 30th May 2020 by department of Computer engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik. Daily 2 sessions were conducted, session I from 10am to 12pm and session II from 2pm to 4pm. Prof. Dr. S. S. Sane, Head, department of Computer Engineering addressed the participants during inaugural function and briefed about K K Wagh Education society and about workshop. On 28th May 2020, session I was conducted by Prof. S. M. Malo. She covered the topic Python history, Features, Operators, Data types, Expressions. Prof S. K. Gondhalekar conducted Session II on the same day and explained Control Structures in Python. Day 2, 29th May 2020, Prof M. N. Shinde, elaborated String Operations and Functions in Python. In Session II participants
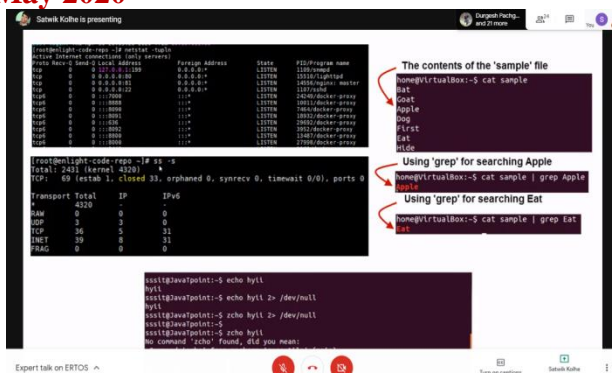
enjoyed demonstration of Python in Data Scrapping by Prof Dr. S. M. Kamalapur. On 30th May 2020, Dr. Uday Wad, Datamatics, explained Python applications in Artificial Intelligence. Mr. Sandesh Lekhwani, FinIQ, explained Python for Chatbot by showing small chatbot application Session II was addressed by Mr. Anklesh Malao, TCS. He talked on Python Applications in Data Science. Participants from various institutes actively participated in workshop.

■ **Expert talk on "Web Development using Python" using google meet in May 2020**

Expert talk on "Web Development using Python" was conducted on 2nd May 2020 by department of Computer engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik , by Mr. L. A. Patil Datamatics , Nashik. The objectives of this expert talk were to explain basic process of web development using python, to list different web development modules used in python. Mr. Lalit Patil explained WEB FRAMEWORK, FLASK, TEMPLATING, demo of form coding and its execution using python. Prof. S. M. Malao, prof. M. N. Shinde coordinated the event.

■ **Expert talk on Embedded Systems and Real Time Operating Systems using google meet in May 2020**

Expert talk on Embedded Systems and Real Time Operating Systems was conducted on 10th May 2020 on Google Meet. The talk was delivered by Mr. Satwik Kolhe (Student of ME Computer Engg, KKWIEER) who works in the R and D department of ESDS, Nashik. The expert lecture was conducted on Google Meet platform on account of ongoing Covid-19 lockdown. The different topics covered in the lecture include IPC, Scheduling algorithms, Market Scenario and Career opportunities

■ **Seminars/Workshop/Training attended by staff:**

- Prof. S. K. Gondhalekar and Prof. C. R. Patil attended Industrial Training at CPAG , Nashik from 25th Nov. to 9th Dec. 19.
- Prof. K. P. Birla attended One Week FDP on "Advanced Data Analysis and Decision Making" at VJTI , Mumbai from 30th December 2019 to 3rd January 2020.
- Prof. M. J. Patil attended One Week FDP on "Scientific and Technical Writing Tools" at Sanjay Ghodawat University, Kolhapur from 6th January to 11th January 2020
- Prof. G. R. Gupta attended One Week FDP on "Applications of Machine Learning and Deep Learning for Engineering Problem Solving" at SKNCOE, Pune from 20th January to 25th January 2020.
- Prof. N. M. Pagare attended FDP at SPPU,Pune on Advanced Pedagogy for empowering teachers from 11th to 13th March 2020.
- Prof. Dr. S. S. Sane , Prof. Dr. S. M. Kamalapur , Prof. P. P. Vaidya , Prof. S. M. Malao , Prof. J. R. MankarProf. I. Priyadarshini ,Prof. R. H. Jadhav, Prof. N. G. Sharma ,Prof. M. P. Mahajan ,Prof. K. P. Birla, Prof. S. T. Patil , Prof. N. M. Pagare , Prof. G. R. Gupta , Prof. M. N. Shinde , Prof. S. D. Jadhav, Prof. V.N Suryawanshi , Prof. C. R. Patil, Prof. A. V. Kolapkar, A. V. Tavare, M.J. Patil attended Webinar – OBE Implementation and Automation to achieve Excellence leading to Accreditation readiness on 6th April 2020
- Prof. P. D. Rakibe attended Online workshop on IPR from 10th and 11th April 2020.
- One-week FDP on "BOSS LINUX-UBUNTU

- Prof. S. T. Patil and Prof. P. D. Rakibe attended One-week FDP on IoT by NITTR, Chandigarh from 10th to 14th April 2020.
  Prof. S. T. Patil and Prof. P. D. Rakibe attended
- OPERATING SYSTEM" by IIT Bombay, PMMMNMTT, MHRD, Govt. of India from 15th to 21st April 2020.
- Prof. M. P. Mahajan attended Webinar on Outcome based education on 18th April 2020.
- Prof. S. S. Banait attended ATAL FDP on Data Science, IIIT, Nagpur from 18th to 22nd April 2020.
- Prof. S. S. Banait, Prof. I. Priyadarshini, Prof. A. V. Taware attended FDP on PHP and MYSQL by Spoken Tutorial IIT Bombay from 24th to 30th April 2020.
- Prof. Dr. S. M. Kamalapur, Prof. P. P. Vaidya, Prof. S. T. Patil, Prof. P. D. Rakibe, Prof G. R. Gupta, Prof N. M. Pagare attended 3 days online workshop on "Education 4.0" by IQAC, Atharva College of Engineering, Mumbai from 28th to 30th April 2020.
- **Number of Online FDPs attended by Faculty in May 2020: 15**
- **Number of Online Quiz attended by Faculty in May 2020: 26**
- **Number of Workshops attended by Faculty in May 2020: 06**
- **Number of Cousera Certifications Completed in Lockdown by Students and Faculty : 100+**

■ **Activities during lock down through various online platforms**
- Online lectures
- Videos
- MCQs
- Study material uploaded
- Workshops organized
- Expert talks organized
- Departmental staff meetings
- Parent Teacher Meet
- TE Seminars meetings and Presentations
- Mini-project presentations
- BE Project meetings and presentations
- Coursera enrollment by students and staff
- Online workshops, Faculty Development Programs, Webinars, Certifications
- Mentoring