Date	Speakers	Event on
4th – 6th July 2018	Mr. Prakash Parmar Mr. Anish Sahu Mr. Chetan Mahajan	Python Programming

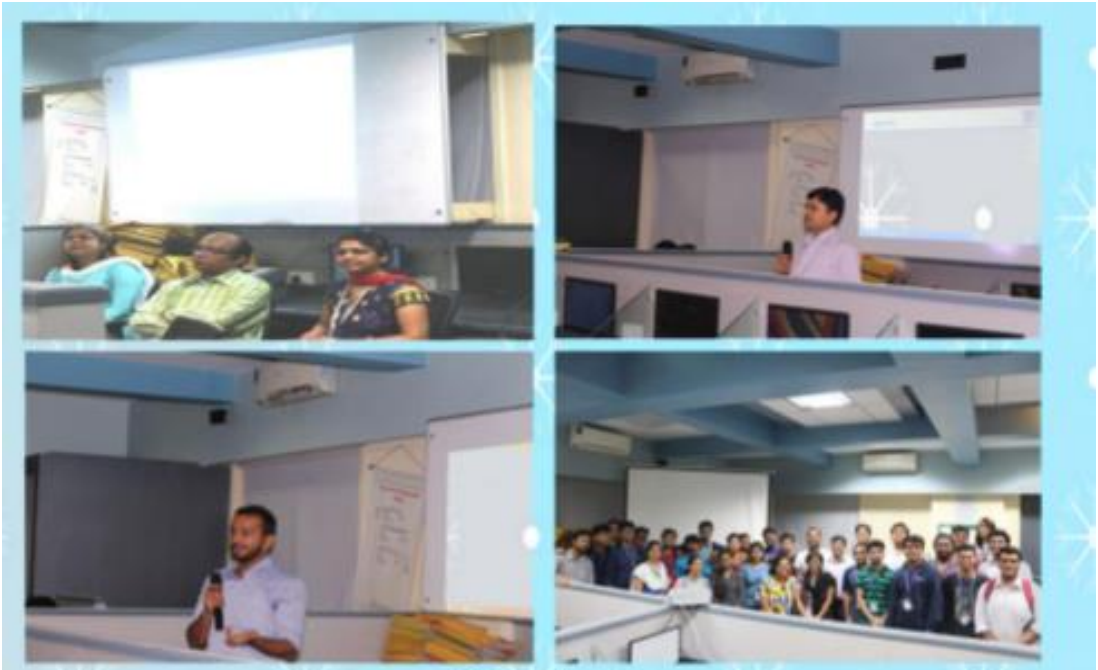
SAKEC ACM Student Chapter in collaboration with Information Technology Department organized "Python Programming : Learn It Well" workshop at SAKEC. The event took place in Lab 507, 508 and 509. The event was conducted over a period of 3 days from 4th July, 2018 to 6th July, 2018 and covered various topics from Basics of Python 3 to advanced topics like adding webpage using Django Framework.

The event was inaugurated in the gracious presence and motivational guidance of following dignitaries:

1. Dr. V.C Kotak – Vice Principal, SAKEC
2. Ms. Swati Nadkarni – Faculty Sponsor- SAKEC ACM Student Chapter & IT HOD
3. Ms. Smita Bansod – Event Coordinator - Assistant Professor (IT), SAKEC

The event was attended by 45 participants, including students of SAKEC and other colleges, along with industry professionals.

Banner of the event



Glimpse of event

Date	Speakers	Event on
21st - 22nd July 2018	Mr. Shivraj Dongawe Mr. Sriniwas Yalampati	Internet of Things - IOT

IETE SAKEC Student's Forum in Association with Information Technology Department, organized a workshop on "**INTERNET OF THINGS-IOT**". The event was conducted on the 21st and 22nd July, 2018 in the 4th floor Seminar Hall. This workshop was meant for understanding and learning of the current technologies of IOT i.e. Arduino, Node MCU, MQTT, COAP protocols and Raspberry Pi. The main motto behind conducting this workshop was: "To get deep knowledge about IOT and to learn the implementation of the same."

The session was opened in the gracious presence and motivational guidance of following faculties:

1. Ms. Archana Chaugule – Assistant Professor (IT), SAKEC
2. Ms. Smita Bansod – Assistant Professor (IT), SAKEC
3. Mr. Manish Bhelande – Assistant Professor (IT), SAKEC
4. Mr. Santosh Rathod – Assistant Professor (IT), SAKEC

The students from Information Technology Department and faculty members from various colleges actively participated in the event. The speakers Mr. Shivraj Dongawe (C-DAC) and Mr. Srinivas Yalampati (C-DAC) initiated the workshop with great enthusiasm at 9:20 am.

Photographs of the event

Date	Speakers	Event on
4th August 2018	Ms. Asmita Karale (BE - 6 - 28) Ms. Shivangani Jaiswal (BE - 6 - 25)	Data Mining using Orange

IEEE SAKEC in association with Department of Information Technology conducted a workshop on Data Mining using Orange. It was a Comprehensive approach to make the students familiar with the basics of the data mining and Orange software. The speakers for the event were Ms. Asmita Karale and Ms. Shivangani Jaiswal who are B.E. students of our college; they are well versed with Orange software and are experts in this domain.

The event started at 10.00 am on 4th Aug. 2018 (Saturday). The event took place on 2nd floor 204 Information Technology laboratory. Staff Co-ordinators were Ms. Abirami S, Assistant Professor (IT), & Ms. Ashwini Deshmukh, Assistant Professor (IT), SAKEC. There were 43 participants for the event.

The Head of Department Ms. Swati Nadkarni inaugurated the event. At the beginning the speakers traditional way of networking and later the speakers introduced them to Orange software. Detailed knowledge about dataset right from machine learning to Orange tool for prediction was given. They were taught how and where Data Mining is used in real world and the use of Orange tool for visualization, prediction, classification and ranking features. They learned how to classify textual database as well as how to classify images.

Team of the event

Date	Speaker	Event on
8th September 2018	Mr. Viral Parmar (BE - 6 - 43)	Music Production with FL Studio

On 8th September, 2018 SAKEC ACM student chapter organized a one day workshop on "Music Production with FL Studio". The workshop was conducted by Mr. Viral Parmar who is very experienced. The workshop was enjoyed by 29 participants. The session 1 of the workshop started by welcoming the speaker by Mr. Neel Dedhia (BE - 6 - 10).

The following topics were practically covered in the session 1 in a very interactive and musical way.

1.Beat & Sequence Making.

2.Layering Instruments.

3.Adding effects & ear candy.

4.Sampling & Editing.

5.Mixing & Mastering.

6.General tips & Practicing.

Interactive session

Session 1 ended by a Q&A session. Session 2 was followed by Project Demonstration by Yash Jain (TE - 6 - 19). After these two volunteers Mr. Rahul Narban (TE - 3 - 17) and Mr. Pranav Parab (SE - 4 - 41) taught Live DJ Settings to the participants.

Date	Speakers	Event on
22nd September 2018	Ms. Janhavi Desale (TE - 5 - 13) Ms. Manjusha Kulkarni - Assistant Professor (Electronics), SAKEC	VHDL

The Information Technology Department of SAKEC, Organized a session on "VHDL". The event was conducted on the 22nd September, 2018 in the 2nd floor, Lab 204. The objective of the workshop was to form a base of VHDL coding and understanding digital circuits behaviour where the main motto of the event was "To introduce the participants to VHDL and the tools that are used in VHDL ."

The session was opened in the gracious presence and motivational guidance of following faculty:

1. Ms. Chintal Gala – Assistant Professor (IT), SAKEC
2. Ms Bhargavi Dalal.– Assistant Professor (IT), SAKEC

The students from Information Technology Department had actively participated in the event.

As per the scheduled time the event was inaugurated at 10:00 am in the presence of even co-ordinators. The first half, from 10:00 am - 11:45 am, was delivered by Ms. Janhavi Desale. The second half, which started at 12:00 noon and ended at 1:30 pm, was delivered by Prof. Manjusha Kulkarni.

The first half was invested in teaching the students basics of VHDL. Students were made to understand the importance, purpose of invention, history and the applications of VHDL. Basic programming was started by briefing the syntax of the programming language, different types of modelling architecture, types of ports and how to use application GHDL and GTK wave for executing program. Students were explained the program for AND gate in this session.

In the second half, students were taught different data types, concurrent and sequential code, signals and variables and combinational circuits. Students were taught a program of half adder in a different application known as Xilinix. The aim of the speaker was to make students acquainted with varying platforms related to VHDL programming.

Group Photo of the Team

Glimpse of the event

In Collaboration with CSI

The Department of Information Technology in collaboration with CSI- SAKEC STUDENT CHAPTER had organized a Event on "Python Web Frameworks" on 19th January, 2019. This workshop was organised by Ms. Manya Gidwani, Assistant Professor IT Dept., SAKEC and Ms. Swati Gajbhiye, Assistant Professor IT Dept., SAKEC. Inauguration ceremony was honored by CSI Staff Coordinator Prof. Deepshikha Chaturvedi, Assistant Professor, Computer Engg. Dept., SAKEC. The event was held in labs 507, 508, 509 on the 5th floor. The event was participated by 31 students of Computer Engineering and Information Technology branches of SAKEC. Mr. Akshay Kumbhar started event at 10.00 am on Python Basics along with its requirement in the real world. Mr. Adith Shetty covered Python Flask Framework. Speakers covered topics to create front end as well as backend to develop complete application using flask Framework. Hands on was given to all students which was helped by our volunteers.

Date	Speakers	Event on
19th January 2019	Mr. Akshay Kumbhar (BE - 5 - 49) Mr. Adith Shetty (TE - 6 - 45)	Python Web Frameworks

Speaker Mr. Adith Shetty being felicitated

Interactive session

Group Photo of the Speakers, Coordinators and Participants

In Collaboration with IEEE

Date	Speaker	Event on
06th February 2019	Ms. Priya R. L (Assistant Professor, VESIT)	Machine Learning Tools

On Wednesday, 06th February 2019, IEEE-SAKEC in association with Department of Information Technology organized a Machine Learning Tools workshop. The Speaker of the event was Ms. Priya R. L., Professor of VES Institute of Technology, who is an experienced faculty and industrialist and has been in the field for more than 19 years. The tools taught to the students were generalised and based on Python. The event started at 1:00 pm on Wednesday. The event took place in 507 lab. Staff Co-ordinator for the event were Ms. Abirami S., Assistant Professor IT Dept. and Ms. Ashwini Deshmukh, Assistant Professor IT Dept. There were 18 participants present for the event.

Machine learning is an application of Artificial Intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Machine learning focuses on the development of computer programs that can access data and use it to learn for themselves. The primary aim is to allow the computers to learn automatically without human intervention or assistance and adjust actions accordingly.

Group Photo of the Speaker, Coordinators and Students

Department of Information Technology

Date	Speaker	Event on
8th February 2019	Mr. Panjab Mane	Dissemination of Literature Review & BE project

The Information Technology Department of SAKEC, organized a session on "**Dissemination of Literature Review & BE project**". The event was conducted on the 8th Feb, 2019 in the 4th floor auditorium. The main motto of the event was "***To help students to do their literature survey in TE and select BE project title for BE.***"

The session was inaugrated in the gracious presence and motivational guidance of following dignitaries:

Ms. Swati Nadkarni – I/c. Head of Information Technology Department

The session was started with importance of project in the curriculum and how project can help students in placement (campus/off campus) and higher studies. How to do effective literature survey and how effective survey helps for better project execution was conveyed with examples.

The flow of project and marking scheme was explained. It also covered formation of project group, submitting area of interest, formation of review committee, allocation of project groups to review committee, role of review committee and project guide during project design and development.

Glimpse of the event

In Collaboration with ACM

Date	Co-ordinator	Event
20th February 2019	Mr. Chetan Mahajan (Assistant Professor IT Dept., SAKEC)	SemiCode

SAKEC ACM Student Chapter in collaboration with other four ACM Chapters had organized a coding competition "SEMICODE" at SAKEC. The event took place in Lab 507, 508, 509, 611, 612 and 613. The event was sponsored by MasterCyberity.

The event was inaugurated under the guidance of:

Ms. Swati Nadkarni – Faculty Sponsor- SAKEC ACM Student Chapter & I/c. HOD IT.
Mr. Chetan Mahajan – Event Coordinator, Assistant Professor IT Dept.
Mr. Nishit Jakharia – SAKEC ACM Chairperson.

The event was initiated by a speech from Ms. Swati Nadkarni Faculty Sponsor of SAKEC ACM Student Chapter.

The event was attended by 43 teams, each team had 2 student participants. The participants were from SAKEC as well as different colleges and fields competing to win the competition. The competition had 3 phases, first phase was an intra college competition where participating teams had to compete with each other in all 5 colleges and top 20 teams would qualify for the next rounds. Round 1 for intra college was for 3 hours with the base level set to beginners. The competition round was hosted on Hackerrank.com which provides services as well as generate results. Day 1 of the competition ended on a great note with 15 teams qualifying for round 2 and 3. The further rounds where conducted at Shri. Baghubhai Mafatlal Polytechnic. For round 2 total of 90 teams had qualified from all the 5 colleges. The representative from each college had worked hard for the second day of the competition. Round 2 was for 3 hours, it was a tag team round where 1 member of the team would code for 25 mins and next 25 mins second team member would work on that same code in between the teams were provide a 5 min discussion time where they both could sit together and work on the problem.

After the completion of round 2 total of 20 teams qualified for round 3 and SAKEC had 4 teams out of the 20 teams qualified for round 3. Round 3 of the competition was for 3 hours and both the team members can sit together and solve the problem statement, the level for this round was set hard by the Technical team. The winner of the competition where handed over a trophy and the rewards for winning the competition. Even goodies where provided for the top 6 teams.

Inaugural Address

Team Participants

Date	Speakers	Event on
27th March, 2019	Mr. Poojan Sanghvi (TE - 5 - 64) Mr. Dhruv Jani (TE - 5 - 29) Mr. Jaydeep Dharamsey (TE - 5 - 15)	Hands on GitHub

SAKEC ACM Student Chapter in collaboration with Information Technology Department, organized "Hands on GitHub" workshop. The event was conducted on 27th March, 2019 and covered topics like Basics of Git and GitHub and its applications. The event took place at SAKEC 507, 508 and 509 lab. The event was attended by 21 students of SAKEC.

Session 1: The event was initiated by a short description by Mr. Poojan Sanghvi on Introduction of Git, History of Git, Application of Git, Advantages of using Git, Project be implemented using Git, How Git works.

Session 2: The second session of the event was again conducted by Mr. Poojan Sanghvi with Introduction of GitHub, History of GitHub Using GitHub GUI, Steps involved in using GitHub.

Session 3: The third session of the workshop was presented by speaker Mr. Dhruv Jani, the use of GitHub was explained with implementation and students performed the same. Doubts of students were solved at the same time. Topics like creating a repository, deleting a repository, uploading a file in your repository, editing files on GUI, creating a branch, deleting a branch, editing from a branch, pulling and merging request, merge conflict, sending invites to collaborate, commit changes, tagging and version control, reverting changes.

Session 4: The fourth session of the workshop was presented by speaker Mr. Jaydeep Dharamsey, command line interface was explained with implementation and students performed the same. Topics like cloning a repository, adding files to a repository using command line interface, committing changes, pushing files, creating a branch, deleting a branch, checking logs, reverting changes, making tags, deleting tags, switching between branches, merging, etc were covered in this session. All the operations were performed using command line interface. Doubts about the same were solved.

Session 5: After all the doubts were cleared and students were well versed about Git and GitHub the event was concluded and speakers, volunteers, participants and coordinators were felicitated by our faculty members Ms. Swati Nadkarni, I/c. Head of IT Department, SAKEC, Ms. Smita Bansod, Assistant Professor IT Dept., SAKEC Ms. Theres Bemila, Assistant Professor IT Dept., SAKEC.

Felicitation to Mr. Jaydeep Dharamsey by Ms. Swati Nadkarni (Faculty sponsor SAKEC ACM)

Participants having Hands on session on GitHub