Computer Engineering – The Future

Computer engineering is the fastest developing discipline in the world. It integrates several fields of electrical engineering and computer science required to develop computer hardware and software. Computer engineers embed computers in other machines and systems, build networks to transfer data and develop ways to make computers, faster, smaller and more capable. The major technical areas of Computer Engineering are : Cybersecurity, Networking, Database Handling, Artificial Intelligence, Design Automation, Computer software, Embedded Systems.Computer Engineers venture into various fields such as web-development, Computer Support Specialist, Computer Systems Analyst ,Computer Systems Designer, Database Administrator, Network Administrator and much more.

Our Vision

- The department will be center of excellence in the area of Computer Engineering to meet the needs of industry and soiety

Our Mission

- To ensure concrete teaching learning process for sound fundamentals
- To impart technical skills through effective outcome-based practices on advanced technologies.
- To prepare industry competent engineers by industry interactions and entrepreneurs' activities
- To provide a learning environment to enhance innovations, problem solving skills, leadership qualities and ethical responsibilities.

Program Educational Objectives

- To prepare Computer professionals to pursue varieties of career.
- To make students Proficient in designing and developing innovative solutions to real life problems that are acceptable technically, economically and socially.
- To make students Capable of adapting to emerging technologies and constantly upgrading their skills with an attitude towards entrepreneurship and lifelong learning.
- To make students Efficient team leaders and capable of working in multi-disciplinary environment with ethical values.

"Innovation is the outcome of a habit, not a random act."

Toppers Corner – (Winter Exam 2019)

Computer Engineering Department Heartily Congratulates Students for Their Brilliant Results.

1St Semester

1 CHAUHAN PRANAY
(196160307010)

2 BHANDERI ARPIT
(196160307005)

3 PATEL MANSI
(196160307049)

3rd Semester

1 PATEL VAIBHAVI
(186160307049)

2 KOKANI JONBHAI
(186160307014)

3 PATEL JAYKUMAR
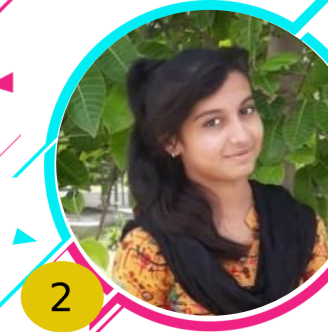(186160307033)

5th Semester

1 RAVAT YUSUFALI
(176160307057)

1 JADAV SANDIP
(176160307013)

2 MALKANI SAMINA
(176160307020)

"Believe you can and you're halfway there"

Events

One day industrial visit at BSNL, Valsad Organized by Computer Department on 24th July, 2019

An industrial visit at BSNL was scheduled for 5th semester students of Computer Engineering Department for demonstration of advanced Networking and Management system by Mr. Satishsingh I/C GSM and Mr. A. R. Patel Transmission I/C. Total of 35 students attended.

One Days industrial visit at Tops Technologies, Surat, Organized by Computer Department on 18th July, 2019

One day industrial visit at Tops Technologies, Surat, was scheduled for 5th semester students of Computer Engineering Department on 18/07/2019. This visit aimed to creating awareness about "Recent trends in IT industry, developing environment and project development life cycle" among students. Total of 32 students attended the visit.

Ten days finishing school training program on "Life skills and employability skills" at G. P. Waghai

Ten days finishing school training program on "Life skills and employability skills" was scheduled for 5th semester students of Computer Engineering Department on 01/06/2019 to 10/06/2019. Shri Arup Sinha, Training Officer, delivered 10 days training at Government Polytechnic, Waghai on interview, Industrial Interaction, resume and preparation for test. Total of 12 students attended.

Our Corner

Student Corner

Poster Presentation and Quiz Competition:

Poster Presentation for 5th semester students and Quiz competition for 3rd semester students were organized by Computer department on 3rd September 2019. The winners were honoured with Awards.

વઘઈ પોલીટેકનીક ખાતે IT ના લેટેસ્ટ વિષયો પર પોસ્ટર પ્રેસન્ટેશન અને ક્વિઝ કોમ્પિટિશન

શેખર ખેરનાર

ડાંગ, વઘઈ ખાતે આવેલી સરકારી પોલિટેકનીક માં કમ્પ્યુટર વિભાગના વિધ્યાર્થિયાઓ દ્વારા IT ના અધ્યતન વિષયો પર પોસ્ટર પ્રેસન્ટેશન અને ક્વિઝ કોમ્પિટિશન માં ઉત્સાહ પૂર્વક ભાગ લીધો હતો. જેના દ્વારા વિધ્યાર્થિઓને અભ્યાસક્રમ બહારના ટેકનીકલ વિષયો ના જ્ઞાન નો અભ્યાસ થયો હતો.જેમાં સંસ્થાના તમામ વિધ્યાર્થિઓ અને સંસ્થાના તમામ વ્યાખ્યાતાઓએ ભાગ લીધો હતો. આ કોંપિટિશનના

વિજેતા વિધ્યાર્થિઓને શ્રી એચ. આર. ચોધરી(મિકેનીકલ ખાતાના વાડા) દ્વારા પ્રોત્સાહિત પુરસ્કાર દ્વારા નવાજવામાં આવ્યા હતા. તમામ કોમ્પેટીશન

નું આયોજન કોમ્પ્યુટર વિભાગના ખાતાના વડા શ્રી જે.એમ.પટેલ તેમજ વિભાગના વ્યાખ્યાતાઓ દ્વારા કરવામાં આવેલ હતું .

Faculty Corner

Why You should Learn Flutter?

- **For developing mobile apps, Android provides a native framework based on Java and Kotlin language, while iOS provides a framework based on Objective-C/Swift language.**
- **Flutter is a UI toolkit for creating fast, beautiful, natively compiled applications for mobile, web, and desktop with one programing language and single codebase.**
- **It is free and open-source.**
- **It was initially developed from Google and now manages by an ECMA standard. Flutter apps use Dart programming language for creating an app.**
- **Flutter app is developed by Dart programming language, which uses JIT and AOT compilation to improve the overall start-up time, functioning and accelerates the performance.**
- **It makes the app development process extremely fast because of the hot-reload feature.**
- **Flutter reduces the time and efforts of testing.**
- **It is similar to a reactive framework where the developers do not need to update the UI content manually.**
- **It has an excellent user interface because it uses a design-centric widget, high-development tools, advanced APIs, and many more features.**

By: Mayank G. Chauhan. (Lect. Computer Department)

Newsletter Committee - Student Members

1. **Patel Vishal (6th Semester)**
2. **Malkani Samina (6th Semester)**
3. **Thakur Aarti (4th Semester)**
4. **Patel Jay (4th Semester)**
5. **Manvar Kruti (2nd Semester)**
6. **Bohye Gaurav (2nd Semester)**