

IT TRUMPET

E-Newsletter
Department Of Information Technology
Government Polytechnic for Girls, Ahmedabad

December 2019: Volume-3
(June 19 to Nov 19)

Our Vision

To be a centre of excellence for girls in Information Technology by preparing them to be efficient problem solvers, innovators and entrepreneurs in the era of dynamic IT field as well as to empower women by providing roadmaps that foster professionalism, humanism and social responsibility.

Our Mission

- To provide excellent field related technical knowledge and skills.
- To foster interpersonal and leadership skills through co-curricular and extracurricular activities and thus develop a thirst for lifelong learning among students.
- To create a vibrant and an intellectually stimulating environment for students to empower them for real world problem solving.

Message from HOD



Dear Readers,

First, I hope and pray that you may lead a great success in your personal as well as professional life respectively. I am pleased to present the third volume of our newsletter for the academic year 2019-20. During this report period, the department was active with overall various curricular and co-curricular activities. All the faculties of our department are determined for the overall development of our cherished students. In previous term students of IT department shown their talent in SSIP activity and one group has selected. Students actively participate in various cultural activities organized by institute. So congratulations to all the students. We are eager to apply for the NBA accreditation as early as possible. I am happy to announce that we are winner of Hackathon 2019 at state level.

The IT department will remain focused on providing its excellent teaching & support to our academic community.

Ms. Priti N. Parikh

DEPARTMENT ACTIVITIES

The IT department conducted various activities like seminars, workshops, Tech fest/project exhibition/fair, webinars to enhanced technical knowledge and soft skill of students. Following activities were arranged in academic duration:

Sr. No	Activities	Date
1	Project Development	25-06-2019
2	Re-Evaluation In It	26-06-2019
3	It Live Project And Concepts	27-06-2019
4	IOT	03-07-2019
5	Asp.Net Technology	08-07-2019
6	Python And Flutter	18-07-2019





Our Top Rankers in Institute and University (summer-19)

Sr. No	Enrolment No	Name	Semester	Rank
1	186140316015	Chudiwala Yazda Mohammed Yunus	2	7 th rank in institute top 10
2	186140316027	Gupta Janvi Sanjaykumar	2	8 th rank in institute top 10
3	176140316094	Rawat Muskan Pramod	4	3 rd rank in GTU top 10
4	176140316115	Thakkar Tulsi Mayurbhai	4	2 nd rank in institute top 10
5	176140316088	Rakholiya Armikaben Dineshbhai	4	4 th rank in institute top 10
6	176140316048	Mistry Nishtha Prakashbhai	4	6 th rank in institute top 10
7	176140316122	Vatsraj Aakruti Hiren	4	7 th rank in institute top 10
8	176140316014	Chauhan Ayushi Jitendrakumar	4	9 th rank in institute top 10
9	176140316097	Shah Drashti Kirtibhai	4	10 th rank in institute top 10
10	166140316108	Sharma Bhumi Bhupendra	6	1 st rank in institute top 10
11	166140316065	Patel Apexa Mahendrakumar	6	10 th rank in institute top 10

We are Winner in Hackathon 2019

Industrial Hackathon 2019 was organized by Higher & Technical Education Department, Government of Gujarat to provide students a platform to solve some of problems faced by industry, and thus inculcate a culture of product innovation and a mindset of problem solving. During this hackathon students' have to code for straight 36 hours to solve industrial problem.

Two teams of our department participated in industrial hackathon 2019. Round one was held at Marwadi University, Rajkot. After this one team qualified for round two which was at PDPU, Gandhinagar. After 36 hours of hard work, our students **Sharma Bhumi, Ravina Sardar, Muskan Ranawat, Sakshi Gorania, Riddhi Dalwadi** won industrial hackthon 2019 in category of ALL GIRLS TEAM.

Students were awarded by Certificate and 20,000 Rupees cash by Honorable Education Minister Shri. Bhupendrasinh Chudasama on 06-06-2019 during SSIP annul conference held at Bhat, Gandhinagar.



We congratulate all winner students, our faculty member H. L. Vithalani and HOD IT for this big achievements. This moment is inspiration for all other IT students. They will motivate to participate this kind of events and enhanced their skill and boost their academic activities.

Roadmap to become a successful web developer

The demand for web developers is more than ever now as more and more businesses worldwide are operating online. There is always time to learn to code. This article will elaborate on what skills are needed and what is the roadmap to become a successful web developer.

1. Required learning for any path

To be an effective developer, you should be good with the command line, you should know how to version control your code with Git and understand the fundamentals of the web. Skills that every developer needs to learn are front-end, back-end, or DevOps. Command line is how you run your code. You should be able to execute the commands that are required. Git is the tool that is used to save a code and create different versions.

2. Introduction to programming

You should be having a strong foundation in programming. For the new developers learning JavaScript is highly recommended. This language can be used for both frontend and backend developers. JavaScript is relatively an easy language to learn, it is used to build web applications since it is the programming language that runs the browsers.

3. Learn front-end development

Frontend development helps to build user interfaces for the web. You must have a strong foundation in JavaScript for this. Also, understanding how HTML/CSS works is also important.

4. Learn back-end development

Backend is where you communicate with the database and send important data to the frontend. Backend can be written in any language, but the recommended language would be JavaScript as it is easy to learn but also very powerful.

5. Learn DevOps engineering

DevOps manages the infrastructure of a company. The set up processes to deploy your web apps and manage traffic to site. They also ensure that the servers are always up and running while sending content to the end-user as quickly as possible.

6. JavaScript and Coding In-depth

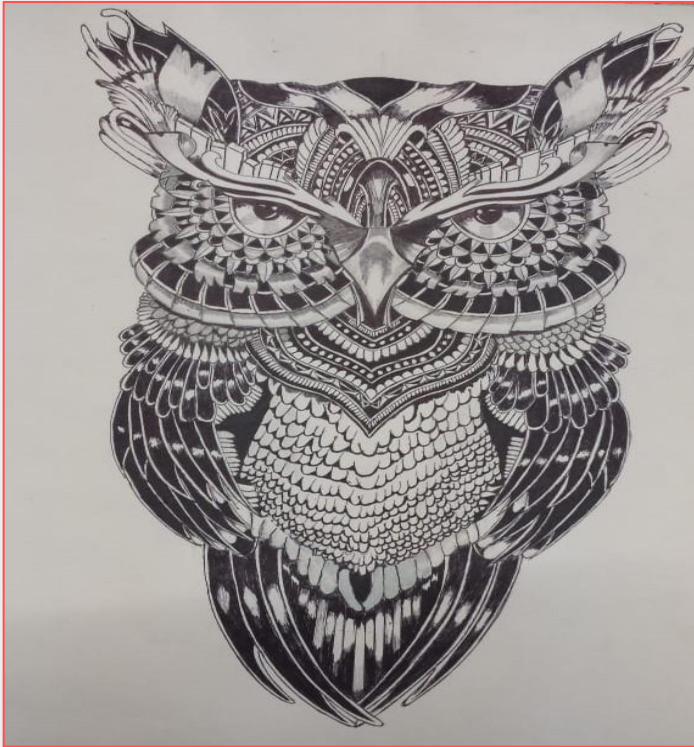
You will have to learn in deep how it all works under JavaScript. Therefore, it is important to have a knowledge of data structures, algorithms etc.

7. Job Advice and Wrap Up

Make sure to start building real projects and begin to apply to jobs. Projects are the best way to show a company your skills and how you will be able to contribute once you get hired.

By Patel Apexa Mahendrakumar

Student Creativity



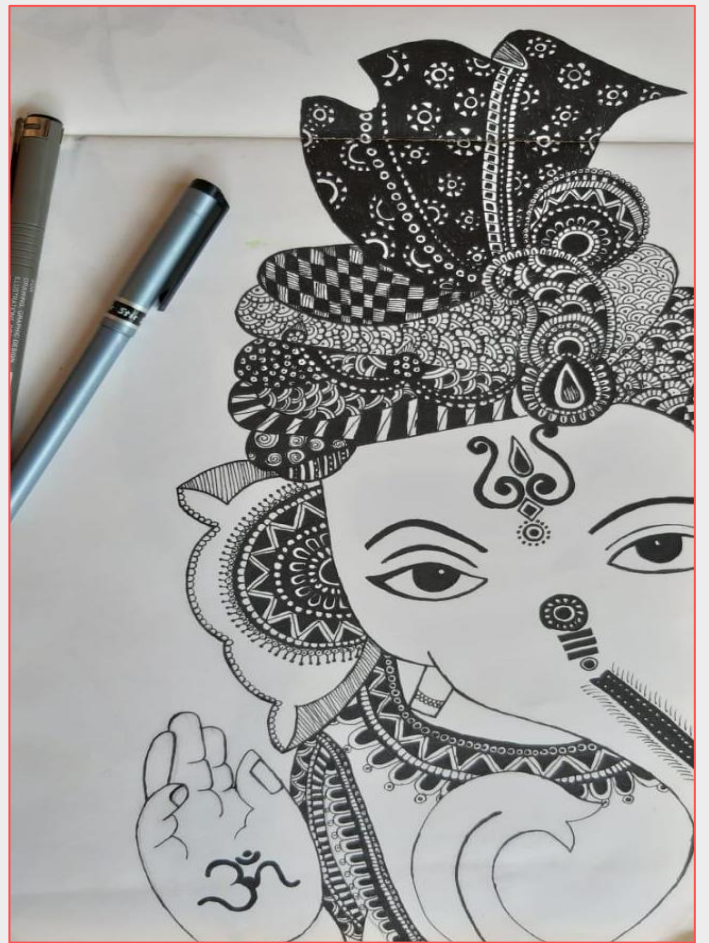
Drawing by Helly Chauhan(3rd sem)



Drawing by Parita B. Thakkar(3rd Sem)



Doodle Art by Helly Chauhan(3rd Sem)



Drawing by Agrawal Harshita (3rd Sem)

- Ms. Pooja V. Garach, Faculty of Information Technology Department published a paper on Design and Implementation of Smart Waste Management System using FOG computing

Parody By Mr. Snehal I Patel (Lecturer IT)

આપણા કવિ શ્રી "ડો. રઈશ મનીયાર" ની ગઝલ પરથી પેરોડી બનાવેલી.

આઈ.ટી માં જયને પહતાય તો કે'ટો ની.
કોડિંગમાં જો ગુંચવાય તો કે'ટો ની.

અમના તો કે'ટો છે કે...
ફટાફટ કોડિંગ કરી લેમ,

પછી મગજ પર હથોડા વાગે તો કે'ટો ની.
અમના તો "ડોટનેટ" જાણે લાગે બો હારુ,

પછી "php ને java " ની આવડે તો કે'ટો ની.
હમણાં તો જાણે આંખોમાં "core java " ના અભરખાં,

પછી "ગુગલ એન્ડ્રોઈડ" દેખાય તો કે'ટો ની.
કોડિંગ, કંપાઈલિંગ ઓર ડીબગિંગ ,

એ બધું તો ઠીક મારા ભાઈ
પછી પ્રોજેક્ટ રન ની થાય તો કે'ટો ની

Poem By Ms. Anisha Dodiya (Lecturer IT)

" અનોખી દક્ષિણા "

પ્રિય વિદ્યાર્થીનીમિત્રો અબજોગણો આભાર તમને,
દિવસ-રાત ચેક કરી, અંજલિ અર્પી અમને.

ના વિચાર્યું હતું કદી, આ રીતે મળશે ગુરુ દક્ષિણા અમને,
તમારા સાથ સહકાર ચઢી, કર્યાં સજીવન અમને.

આધુનિક યુગમાં તમારા જેવી વિદ્યાર્થીનીમિત્રો મળવી,
ચેટલે ખરા અર્થમાં સોનામાં સુગંધ ભળવી.

તમારા જેવા પ્રતિભાશાળી લોકો, કરશે ભવિષ્યમાં અમારી જયજયકાર.
જીવનભર યાદ રહેશે, એવા છો તમે મિલનસાર.

દિલથી વ્યક્ત કરું છું આભાર તમને,
હંમેશા રહેજો સંગ અમારે.

—ડૉ. અનિશા વાઘ. ડોડિયા
(વ્યાખ્યાતા, આઈ.ટી વિભાગ)