IT TRUMPET

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

Dec 2021: Volume 7
(June 2021 to Nov 2021)

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,

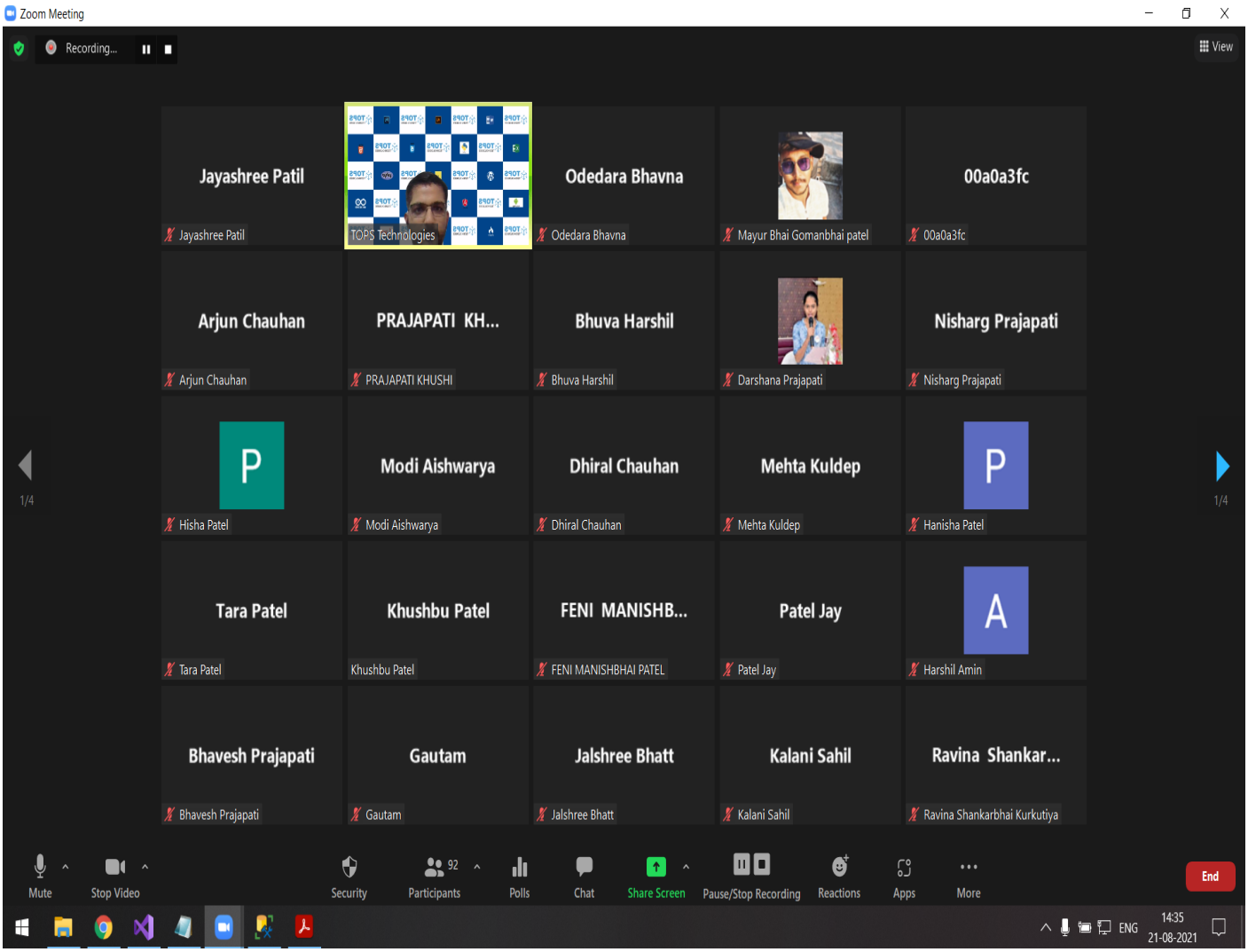
First, I hope and pray that you may lead a great success in your personal as well as professional life respectively. I am pleased to present the seventh volume of our newsletter for the academic year 2021-22. During this report period, the department was active with overall various curricular and co-curricular activities. All the faculties of our department are determined for the overall development of our cherished students. As covid situation is getting normal day by day, we are expecting to see you soon.

Ms. Priti N. Parikh

DEPARTMENT ACTIVTIES

Due to COVID-19 pandemic, we organized the following virtual activities like webinars and virtual internship.

Sr. No	Activities	Date
	Webinar	
1	Graphics Design	20/8/2021
2	.Net core	21/8/2021
3	Android with Kotlin - Create Your App with Kotlin	23-10-2021
4	Graphics with UI/UX - Create Emoji and Animate Them	23-10-2021
	Industrial Virtual visit	
1	Virtual Industry Visit	23-07-2021
	Internship	
1	Web Development	24/5/2021 to 8/6/2021



Webinar on .Net core

INFOLABZ IT SERVICES
WEB DEVELOPMENT | APP DEVELOPMENT | IOT

COMPLETION CERTIFICATE OF SUMMER INTERNSHIP

Date: 11-06-2021

Enrollment: 196140316122

Semester: 5th, Information Technology

To Dhruvi J. Raval,

We are delighted to provide this certificate to you for topics learned and work performed during free online internship. The duration of internship program was from 24 May 2021 to 8 June 2021 (2 Weeks) organized by InfoLabz IT Services PVT. LTD, Ahmedabad.

In this internship tenure we have covered basics of web development and provided hands on experience of real time API handling. We have worked on JSON handling with PHP and logic development with JavaScript.

We wish you all the best for future endeavours.

Ms. Twinkle Shah
Internship Coordinator
InfoLabz, Ahmedabad

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Ahmedabad, Gujarat 380009

Internship Certificate of Student at Infolabz

Our Top Rankers in Institute and University (Winter 2021)

Sr. No	Enrolment No	Name	Semester	Rank
1	186140316027	Gupta janvi sanjaykumar	6	2nd Rank in Institute
2	186140316114	Thakkar devanshi maheshbhai	6	9th Rank in Institute
3	196140316091	Patel honey manilal	4	2nd Rank in Institute
4	196140316085	Patel diya chiragbhai	4	3rd Rank in Institute
5	196140316130	Shah kashish	4	7th Rank in Institute
6	206140316011	Maheshwari Ritika Jitendra kumar	2	18th Rank in GTU TOP 10
7	206140316102	Aachal agarwal	2	19th Rank in GTU TOP 10
8	206140316011	Maheshwari Ritika Jitendra kumar	2	1st Rank in Institute
9	206140316102	Aachal agarwal	2	2nd Rank in Institute
10	206140316090	Mewada prachi bharatbhai	2	9th Rank in Institute

Technical Article

5 Best books on Cybersecurity and Ethical Hacking that you must read

The Cybersecurity industry is flourishing at a great pace even amid pandemic when other industries have suffered great economic damage. It is opening up doors for new roles and job opportunities in the cybersecurity domain. Today, cybersecurity jobs are highly in-demand, however major challenges still remain as far as closing the skills gaps are concerned. There is still a shortage of skilled cybersecurity professionals who have the required experience in the field. If you wish to pursue a career in cybersecurity, here we have listed down a few books that can help you get started.

1. Hacking: A Beginners' Guide to Computer Hacking by John Slavio
This book covers everything you need to know about hacking, the historical backdrop of hacking, the kinds of hacking and safety efforts that you ought to embrace. This book will train you about the strategies you can use to hack ethically. It can assist you with your journey as an ethical hacker, which is quickly developing as a rewarding field.

2. Practical Malware Analysis by Michael Sikorski & Andrew Honig
This book will teach you the tools and strategies used by professional analysts. With this book as your guide, you'll be able to securely break down, troubleshoot, and disassemble any malicious software that comes your direction.

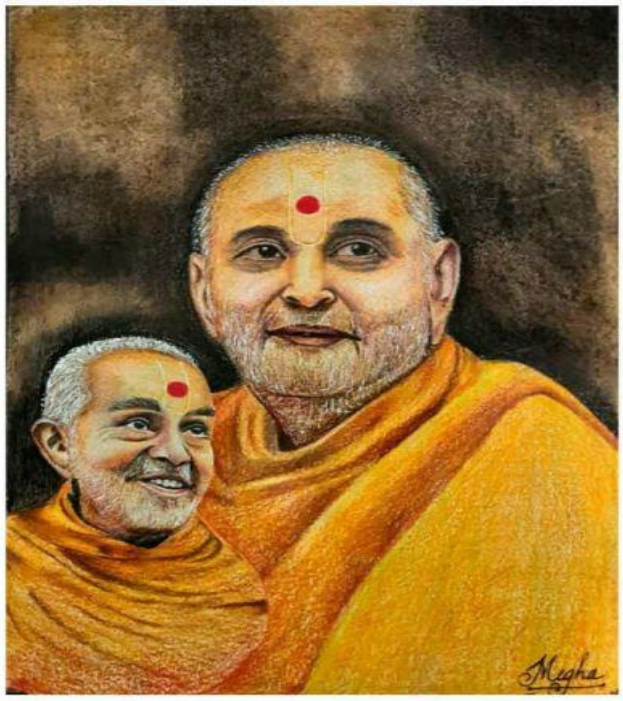
3. Black Hat Python: Python Programming for Hackers by Justin Seitz
This book will help you investigate the more obscure side of Python's capacities—composing network sniffers, controlling bundles, tainting virtual machines, developing trojans, and so much more. You'll learn how to create a trojan command-and-control using GitHub, escalate Windows privileges with creative process control, and more.

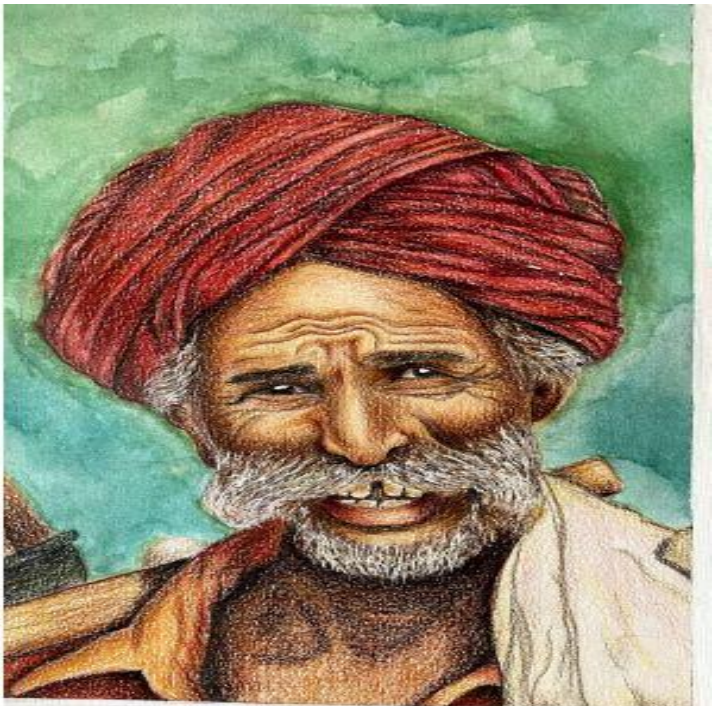
4. The Web Application Hacker's Handbook by Dafydd Stuttard & Marcus Pinto
This book covers the advanced techniques for attacking and defending a variety of constantly evolving web applications. You'll get to explore the cutting-edge technologies leveraged in web applications that have come in use to tackle new attacks.

5. Hacking: The Art of Exploitation by Jon Erickson
Rather than merely highlighting how to run existing exploits, the book explains how the hacking techniques actually function. The book presents the art and science of hacking in such a manner as to be accessible to all the cybersecurity enthusiasts. The book covers the basics of C programming from the perspective of a hacker.

Source:
Techgig.com

Student Zone





Trivedi Megha(1st Semester)

Panchal Arti (3rd Semester)

Student Achievement

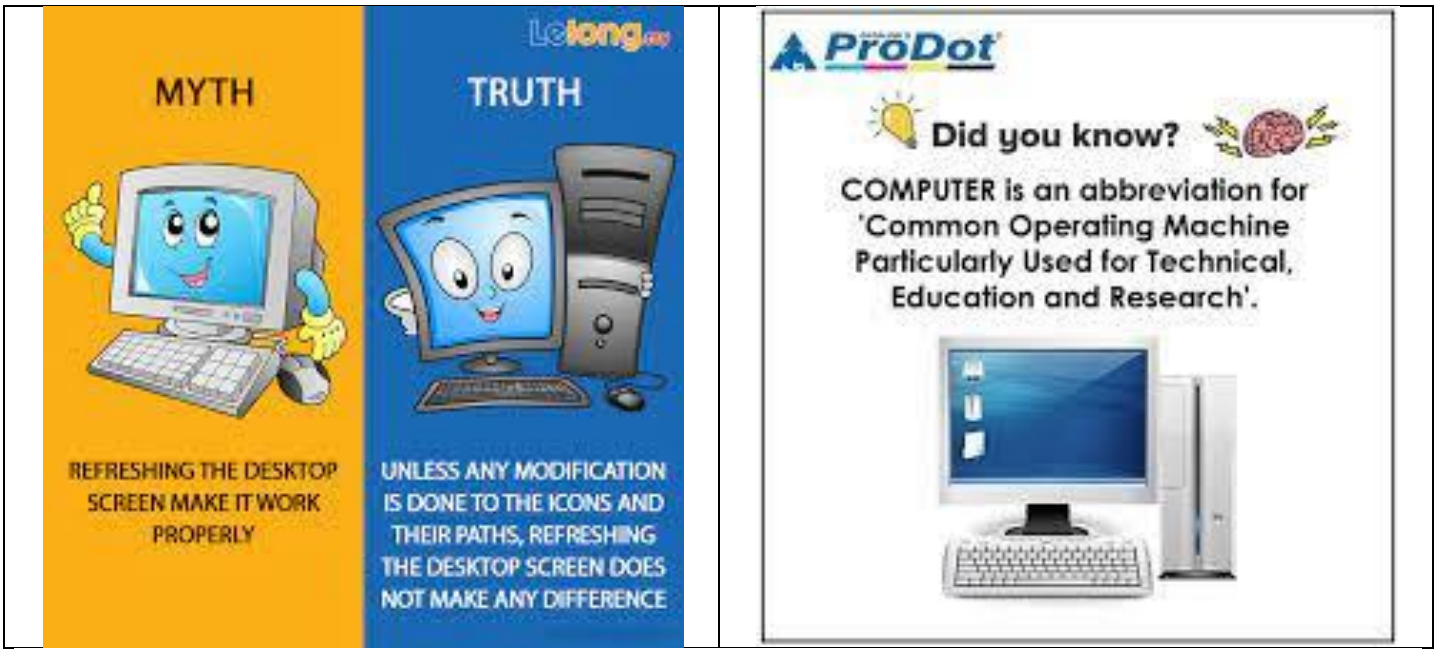
Shreya Chaturvedi (4th Semester)

Do you Know..?

હિટાચી સી સાઇડ પાર્ક, જાપાન

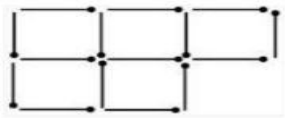
ઓગસ્ટ, ૧૯૪૫માં અમેરિકાના બે ભસ્માસુર અણુશસ્ત્રોએ જાપાનને ધૂંટણિયે લાવી દીધું હતું એ જાણીતી વાત છે. ઓછી જાણીતી હકીકત એ કે યુદ્ધ પૂરું થયા પછી પણ અમેરિકાએ જાપાનનો કેડો મૂક્યો નહોતો. જાપાનનાં કેટલાંક સ્થળોએ પોતાનાં લશ્કરી થાણાં બળજબરીપૂર્વક સ્થાપી દીધાં હતાં. આવું એક સ્થળ ટોકિયો શહેરની ઉત્તરે હિટાચીનામા હતું. દરિયાકિનારે વસેલા તે શહેરથી અમેરિકા પોતાનાં નવાં શસ્ત્રોનું પરીક્ષણ કરતું હતું. આ ક્રમ વર્ષો સુધી ચાલ્યો, જે દરમ્યાન મિસફાયર થયેલાં કેટલાંક રોકેટ તથા મિસાઇલ્સ હિટાચીનામા ખાતે રહેતા લોકોનાં મકાનો પર ત્રાટક્યાં. જાનમાલનું ખાસ્સું નુકસાન કર્યું. આખરે છેક ૧૯૭૩માં અમેરિકાએ હિટાચીનામાનો હવાલો જાપાનને સુપરત કર્યો. ફાયરિંગ રેન્જની વિશાળ ભૂમિ પર જાપાની સરકાર બહુમાળી મકાનો તથા વસાહતો ઊભાં કરી શકી હોત. પરંતુ તેને બદલે એ સ્થળે શાંતિના પ્રતીક તરીકે ફૂલોનો બગીચો બનાવવામાં આવ્યો. આજે ૧૯૦ હેક્ટરમાં ફેલાયેલા તે પાર્કમાં વિવિધ ફૂલોની બિછાત જોવા મળે છે. પાર્કનું સૌથી મોટું આકર્ષણ એપ્રિલ-મે દરમ્યાન ખીલી ઊઠતાં નેમોફિલિયા જાતિનાં ભૂરાં-જાંબુડિયાં ફૂલો છે. ફૂલોની સંખ્યા ૫૩ લાખ!

Source:
Article GYPSY Magazine



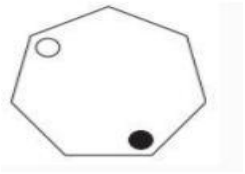
Staff Corner

1. 15 matches made 5 squares as shown in the figure. One has to move 3 matches in order to make 4 squares.



2. A man has 53 socks in his drawer: 21 identical blue, 15 identical black and 17 identical red. The lights are fused and he is completely in the dark. How many socks must he take out to make 100 per cent certain he has a pair of black socks?

3. A man has 53 socks in his drawer: 21 identical blue, 15 identical black and 17 identical red. The lights are fused and he is completely in the dark. How many socks must he take out to make 100 per cent certain he has a pair of black socks



Source :
Quiz by Abhilasha S. Shrivastav

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