



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY
5 KM STONE, DELHI MEERUT ROAD, GHAZIABAD



BYTES
NOT JUST ONES
AND ZEROS

BYTES

VOLUME:10 ISSUE:1

JULY- AUGUST

2021-2022



MISSION

To provide quality education in both theoretical and applied foundations of Computer Science and train students to effectively apply this education to solve real world problems.

To amplify their potential for lifelong high-quality careers and give them a competitive advantage in the challenging global work environment

VISION

To be recognised globally for delivering high quality education in the ever changing field of Computer Science and Engineering, both of value & relevance to the communities we serve.

FOR ANY DETAILS OR QUERY CONTACT:

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(Coordinator)**

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Ms. Anjali Yadav
Ms. Sonam**

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4th year

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4th year

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4th year

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4th year

Satyarth Singh

4th year

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4th year

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4th year

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EMINENT PERSONALITY



"The answers to your questions lie within-you just have to be courageous enough to do, what it takes to live your dreams"

Prajakta Koli (Mostly Sane)

Prajakta Koli is an Indian-YouTuber and actress who makes comedy videos. With more than 6.3 million subscribers on her YouTube channel and over 4.2 million followers on Instagram, Koli is better known by her social media handle moniker – Mostly



Sane. Her videos are focused mostly on relatable and observational comedy related to daily life situations. Over the years, she has collaborated with various Bollywood stars for her videos, and currently she is the Indian ambassador for YouTube's global initiative, Creators for Change. She was also one of the few Indians who were part of the virtual graduation ceremony Dear Class of 2020, headlined by former President Barack Obama and former First Lady Michelle Obama. And now the internet sensation is making waves with her acting stints: her latest series Mismatched has released on Netflix.

As honest as she appears in her videos, Prajakta started her YouTube journey with her channel, Mostly Sane, six years ago.

The 28-year-old Prajakta says she was called 'desi Superwoman' during the first year of her journey. "But after a lot of trial and error, you realise that YouTube is very personal and transparent platform where you cannot be someone else. You have to shed all your layers and be yourself over a period of time," she says.

'I quit my dream and became a YouTuber'



Life is what happens when we are busy making plans, and something very similar happened with the mostly sane girl. Prajakta had planned to be a Radio Jockey, but things took a turn for the good when she was interning with a radio channel and uploaded a 'lame' video with Hrithik Roshan on Instagram.

“When Sudeep from One Digital saw the video, he encouraged me to come on YouTube. At that time, I did not know anything about the platform, still I decided to take a leap of faith. I tried it out as a hobby and for almost a month I did Radio along with my channel.”

For many Indian millennials, Koli’s YouTube channel was amongst their first encounter with content-driven YouTube shows in the country. Koli first started her channel in 2015, it is believed that one of the many reasons behind her instant success was her disciplined schedule of uploading videos every Tuesday, Thursday, and Saturday. It made her one of the most consistent creators and consequently, her fanbase grew bigger and bigger. Apart from the regulars, Koli also uploads vlogs based on her travel diaries and personal experiences.

Although Prajakta became the first woman comedy creator in India to hit 1 million subscribers in March 2018, she never thought that she was funny and could create comedy. “I could crack jokes, and I was the funny one in my group, but I used to take time to get comfortable with other people and make them laugh.”

Prajakta has over 4 million followers on Instagram, and over 6 million subscribers on YouTube. She has also appeared on the Netflix series *Mismatched*, which has been renewed for a second season, and will be seen in the upcoming film *Jug Jugg Jeeyo*, co-starring Varun Dhawan, Anil Kapoor, Neetu Kapoor and Kiara Advani. And with so many achievements already on her plate, alongside many more exciting ventures lined up ahead, Prajakta Koli is surely a young female star to look out for.

TAKEAWAY

- Life is what happens when we are busy making plans.
- Take a leap of faith.
- Consistency is the key to success.

TECH BYTES



"The best way to predict the future... is to invent it"

3D PASSWORD

What is 3D Password?

3D Password is the combination of a recall-based scheme and a recognition-based scheme. 3D Password is a multi-factor & multi-password authentication scheme. 3D Password provides a virtual environment for containing various virtual objects. Through this virtual environment, the user interacts with a virtual object. In simple terms, the 3D Password is a series of sequential steps executed by the user in a virtual 3D environment.

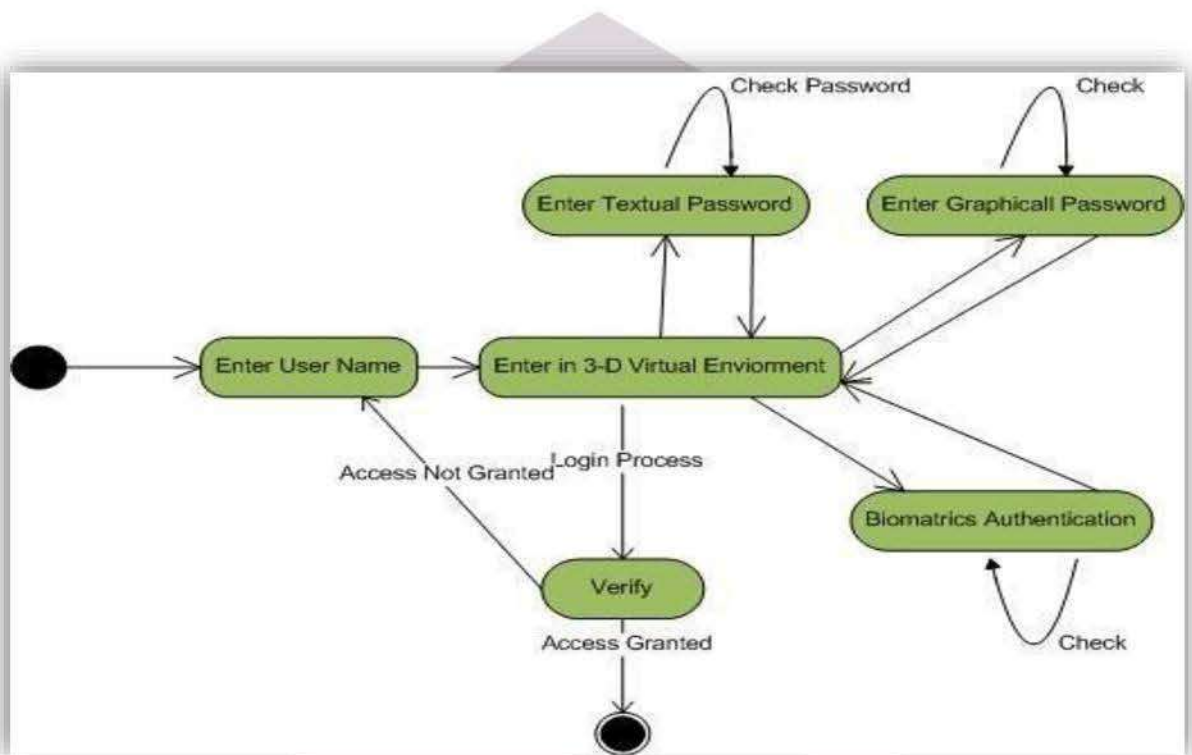


Why 3D Password?

No doubt there are several authentication schemes already available and being used worldwide. However, these pre-existing passwords, Smart Cards and Tokens can be stolen or duplicated as well for illegal use. Weakness of Graphical Passwords is that the server needs to store the seeds of the portfolio images of each user in plain text.

In 3D Password, 3D Interactive environment is created, now the way a user interacts with any element or object at particular co-ordinate is recorded and becomes a part of his

password, now any number of such interactions can be recorded. This interaction could be a textual password being entered on a system in a 3D environment, or maybe even the walking pattern of the user. All this is the choice of the developer.



Advantages of 3D password:

It eliminates a brute force attack . Provide high level security to the system which contains important data. Secure against software like a key logger.

TECH NEWS



"Our Future success is directly proportional to our ability to understand, adopt and integrate new technology into our work"

Xiaomi reveals 11T pro

Xiaomi has launched its cheapest flagship smartphone 11t Pro which features 120W wired charging, which is paired with 5000 mAh battery and Snapdragon. It will be available in two storage options – 128 GB and 256 G



OnePlus and OPPO to form unified OS

According to first post, techgiant OnePlus and OPPO will be merging their OS to form a unified OS. The new OS will continue to be customizable for OnePlus devices and offer support for unlocking bootloaders.



MacBook Pro finally gets Update

According to Macworld, the new updated version of Mac will include 1080p webcam and OLED Touch Bar replaced by a functions key. It will be powered with 'M1X' chip which offers more CPU and GPU cores.



Amazon in TV Business

According to Gear petrol, Amazon is preparing to make hardware in accordance with its software. Earlier, Toshiba and Insignia had the license of Fire TV.



Amazon has planned to manufacture Omni series TV, which will range from 43-inch model to 75-inch model. It has also announced a 4series TV which will range from 43-inch model to 55-inch model.

Nokia to launch G50 and tablet

Kalinga reports, NOKIA has planned a new product launch event on October 6. The G50 5G is rumored to feature Snapdragon 480 5G chipset combined with 6.8-inch HD+ display.



The tablet is expected to have a 10.36-inch display, 4GB of RAM, 64GB of ROM and Unisoc processor.

EVENTS



**"All events are just like show that has an end.
Nothing remains forever,except the memories,
bitter or sweet, or both"**

Guest Lecture on “DISTRIBUTED SYSTEM”



Raj Kumar Goel Institute Of Technology
5th KM Stone Delhi-Meerut Road, Ghaziabad

Department of Computer Science & Engineering

GUEST LECTURE ON “DISTRIBUTED SYSTEM”
(Under the banner of Computer Science Student Society)

DATE : 9th July 21
TIME : 11:30 am Onwards
For all CSE Students

GUEST SPEAKER :
Mr. Yogesh Kumar
Software Developer Engineer
Google

REGISTRATION FORM : <https://forms.gle/wXgMQR8ztHaByuEz9>

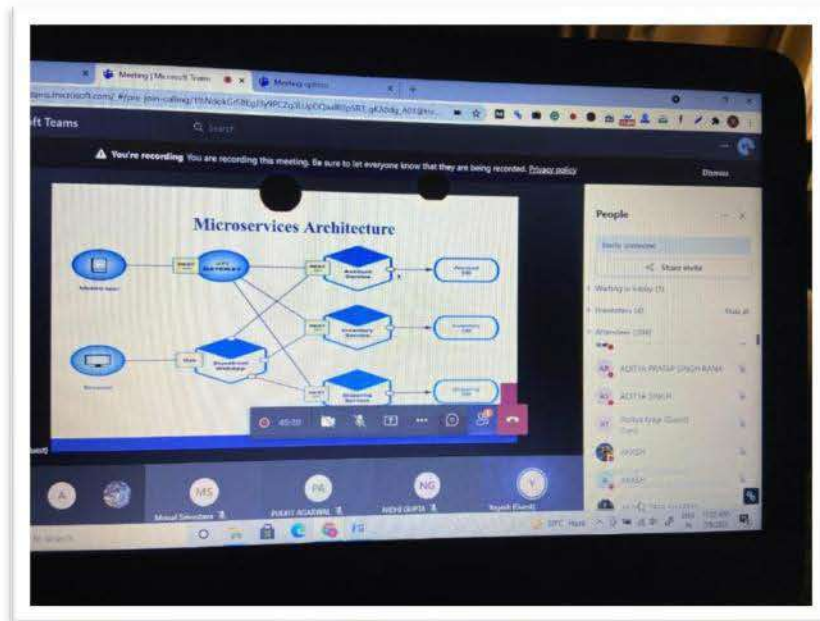
Event Coordinator : Ms. Vernika Singh

Under the aegis of the Computer Science & Engineering department, a Guest Lecture on “DISTRIBUTED SYSTEM” was organized on the 9th of July 2021. Students from all the branches were allowed to attend the Lecture.

The lecture was headed by Mr. Yogesh Kumar who is Software Developer Engineer at Google. The motive of the session was to share the idea of concerning Distributed Systems in Internet Technology.

He explained the advantages of Distributed systems and their extent in the IT field. He also covered the part of why distributed systems are high in demand. Many top companies have created complex distributed systems to handle billions of requests and upgrade without downtime.

Distributed systems are becoming more essential in 2021.



The session was successfully supervised by Ms. Vernika Singh and it smoothly streamed on the Microsoft teams app. More than 250 students attended the session and few dedicated faculty members also shared a great part.

Guest Lecture on “Big Data”



Raj Kumar Goel Institute of Technology
5th KM Stone, Delhi- Meerut Road, Ghaziabad
Department of Computer Science & Engineering

GUEST LECTURE ON “BIG DATA”
(Under the banner of Computer Science Student Society)

Guest Speaker:
Mr. Nitish Tyagi
Liferay Consultant
Infor, Sweden

Date: 12th July 2021
Time: 3:00 pm Onwards
Event Coordinator: Mr. Vineet Shrivastava and Mr. Akash Goel

Registration Form:
<https://forms.gle/ky7enZZNPvfSJw4z7>

The poster features a circular portrait of Mr. Nitish Tyagi on the left. To the right, there is a 3D illustration of server racks, a laptop displaying a line graph, and a bar chart. The background is light blue with a subtle geometric pattern.

On the 12th of July 2021, the Department of Computer Science and Engineering organized a guest lecture on Big Data. The session was led by Mr. Nitish Tyagi, who is Liferay consultant in Infor, Sweden.

The motive of the session was to make students aware of available opportunities in the Big Data domain in technical fields as Big Data is highly influencing the IT field.

He also detailed Big data is a specific indicator for the vast assembly of data, increasing enormously in size and exponentially with time. Hence, companies are opting for Big Data for effective marketing, new revenue opportunities, customer personalization and improved operational efficiency.

Big Data jobs are highly lucrative as it exposes you to the latest in technologies.

आरकेजीआईटी में बिग डेटा पर गेस्ट लेक्चर का आयोजन

अथाह संवाददाता

गाजियाबाद। आरकेजीआईटी के कंप्यूटर साइंस एण्ड इंजीनियरिंग विभाग की ओर से बिग डेटा पर गेस्ट लेक्चर का आयोजन किया गया। गेस्ट लेक्चर में 250 छात्र छात्राओं ने भाग लिया। कार्यक्रम के मुख्य वक्ता इंफोर कंपनी के इंजीनियर नीतीश त्यागी, स्वीडन ने छात्र छात्राओं को आधुनिक युग में बिग डेटा और तकनीकी क्षेत्र में इससे सलग्न अवसरों से अवगत कराया। कार्यक्रम का आरंभ विभागाध्यक्ष डॉ साची गुप्ता द्वारा किया गया।

वार्ता का संचालन मिस सोनम ने किया। वार्ता के आयोजन में प्रोफेसर डॉ ललित कुमार सारस्वत,



विनीत श्रीवास्तवा और आकाश गोयल, मिस निधि गुप्ता का महत्वपूर्ण योगदान रहा। कार्यक्रम का समापन वक्ता का आभार प्रकट करके किया गया।



अपने सभी कर्मचारियों

The session was highly influencing, it streamed on the google meet platform and more than 250 students joined the lecture.

The session was supervised by Ms. Sonam and faculty members including Mr. Lalit Saraswat, Mr. Vineet Srivastava, Akash Goel and Ms. Nidhi Gupta also played a pivotal role in the event.

UPCOMING EVENTS



"Participation gives you experience to upgrade your qualities, qualities makes you perfect to enhance your stardom"

Technoxian EduTech Expo



TechnoXian EduTech Expo is a creative platform for you to learn, explore and share your knowledge on robotics & automation. In a nutshell, we let you have fun as you learn. We bring to you a global opportunity to participate in different competitions related to innovation, robotics, automation and many other fascinating challenge-based engineering competitions.

Date- 23 -27 Oct 2021

Timing-9:00AM - 6:00PM

Venue - INA Colony, Thyagaraj Road, INA Colony, New Delhi, Delhi 110023

Link - https://indiaexpo2020.com/sector?utm_source=google-search&utm_medium=search&utm_campaign=wt-sep-2021

NuGen Mobility Summit



The NuGen Mobility Summit will bring together experts from the automotive industry, system and technology companies, experts in technology domains, researchers, policymakers, test houses/agencies, associations, academia, etc. The summit will host conferences, track events and an exhibition in which manufacturers, suppliers and service providers will showcase their products and services, with a special focus on touch and feel of the concurrent and futuristic technologies

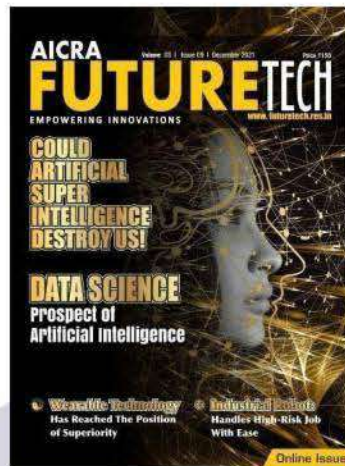
Date- 27-29 Oct 2021

Timing -8:00AM - 9:00PM

Venue - Sector 11, Imt Manesar, Gurugram, Haryana 122051

Link- <https://nugen.icat.in/>

Global Artificial Intelligence Summit & Awards



Global Artificial Intelligence Summit & Awards is transforming Business Models and challenging the status quo in the business community. India's Largest Platform for innovators, the AICRA AI Summit is the platform for the exchange of deep actionable insights into the world of Artificial Intelligence and its impact on businesses. Being already called the 4th Industrial Revolution, AI has far-reaching implications in the corporate world. Witness India's Largest Summit on Artificial Intelligence, and immerse yourself in the rich experience of Insightful Discussions and Mind-Opening talks delivered by subject matter experts and Industry Leaders.

Date - 28-29 Sept 2021

Timing -09:00 AM - 08:00 PM

Venue -Maulana Azad Road Central Secretariat Rajpath Area Central Secretariat, New Delhi 110049

Link - https://www.aicra.ac.in/global_ai_summit/

ACHIEVEMENTS



"The level of our achievements is limited only by our imagination and no act of kindness, however small, is ever wasted."

Vashvi Singh , 3rd year has successfully completed summer internship at Netcamp Solution Pvt. Ltd.



Vashvi Singh , 3rd year has successfully completed Industrial Training on Network Management and Web development with Android and Core Java at Netcamp Solutions Pvt. Ltd



Vashvi Singh, 3rd year has demonstrated understanding of the solutions and technologies , Web Development course and has successfully completed the training programme with Netcamp Solutions Pvt. Ltd



Almaaz Ahmed, 2nd year participated and successfully completed the training program in Cyber Security and Ethical Hacking.



Niyati Bareja , 2nd year has being in the top 15 performer of Hunar-e-Hindustan.



Nandini Sharma, 2nd year has participated in YTH-21 (annual quiz series) with passing score of 100%.



Nandini Sharma, 2nd year has recognized for the excellent and outstanding contribution made during Ecell ambassador program



FACULTY CORNER



**"If you are planning for a year, sow rice;
if you are planning for a decade, plant trees;
if you are planning for a lifetime, educate people"**

“No matter what ‘home’ means to you, there is surely something nostalgic about the place we call home.”



“You were born with wings, why prefer to crawl through life.”



“In one drop of water , all the secrets of the oceans are found.”



“Gardening adds years to your life and life to your years”



“Until one has loved an animal, a part of one's soul remains unawakened.”



“If you planned it alone and you worked for it alone and celebrate it alone.”



THE MOMENT

The moment I chose once,
Moments inside moment,
In the world of darkness.
Followed me till the eternity.
Beside it consciences slept,
To feel the random dreams,
To run towards the sky and stars.
On the edge of those illuminating path,
My soul spreaded out in pieces.
And spent the whole moment to collect them,
In the hope of resurrection what sacrificed.
moment dwelled between known and unknown.
The moment was a life.

By-

Tarachand verma

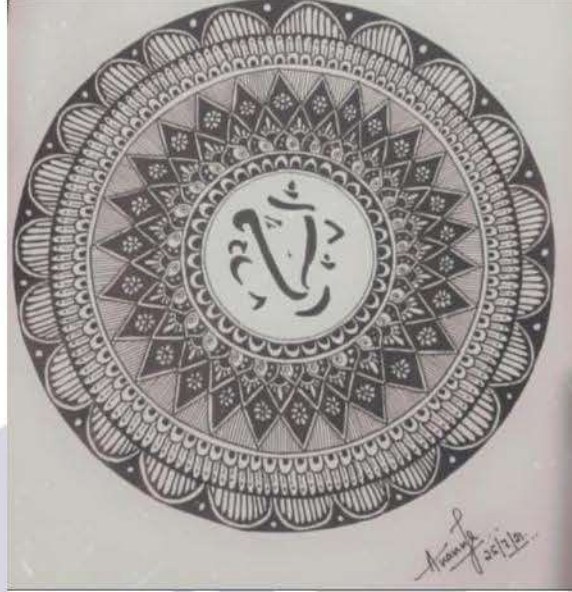
Assistant professor

STUDENT'S CORNER



**"You can't use up creativity.
The more you use, the more you have"**

वक्रतुण्डमहाकायसूर्यकोटीसमप्रभा।
निर्विघ्नं कुरु मे देव सर्वकार्येशु सर्वदा ॥



Anannya Agrawal
3rd year, Section – C

Design is intelligence made visible.



Yash Badoniya

2nd year,
Section - D

“If we could see the miracle of a single flower
clearly our whole life would change.”

– Buddha



Yash Gupta

2nd year, Section – B(IOT)

School

Growing up with friends in classrooms, Life was like fragrant flowers that bloom.

From the burden of doing homework, To be caught eating in the class with jerk,

With four spoons in one lunch box, While others eyeing on food just like fox.

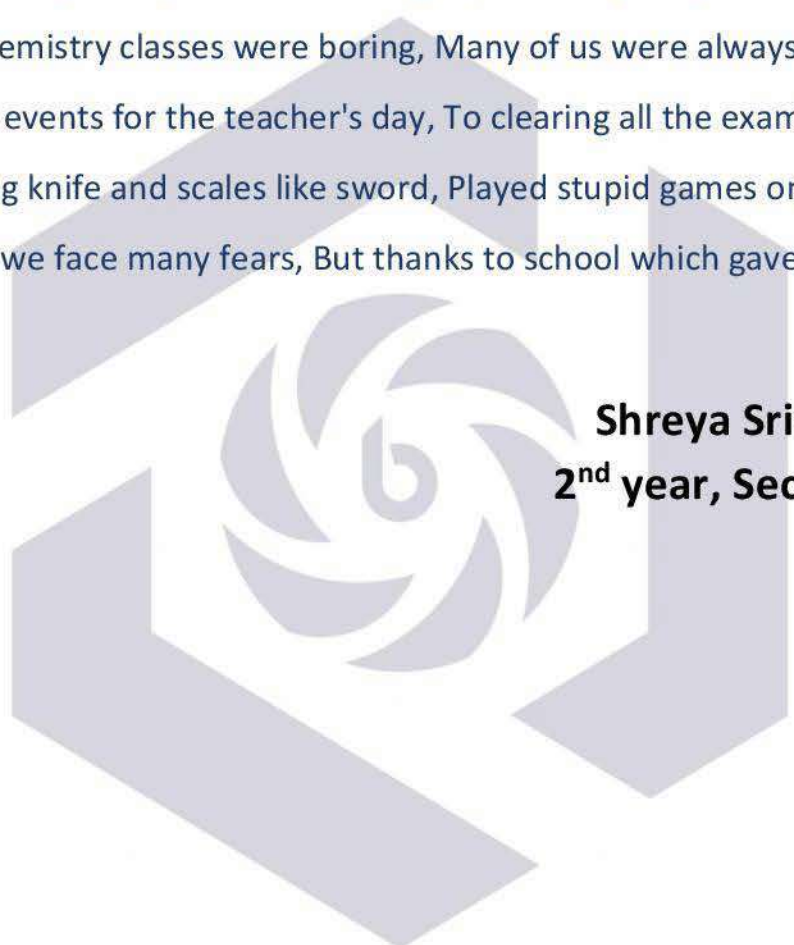
It was the time when games period were delight, And everything in the field seemed bright.

No doubt chemistry classes were boring, Many of us were always caught snoring.

From organizing events for the teacher's day, To clearing all the exams that were on way.

Pencils being knife and scales like sword, Played stupid games on getting bored.

Though in lives we face many fears, But thanks to school which gave us beautiful years.



Shreya Srivastava
2nd year, Section - D

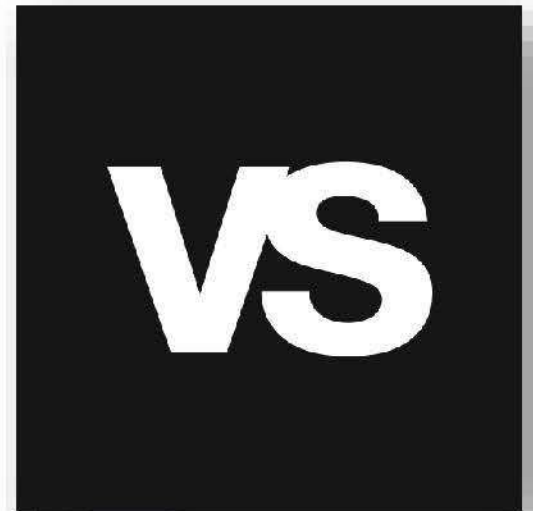
ARE U MISSING WHAT'S NEW



"Technology unlocks a chance to connect everything together in a new way & is dramatically transforming how we live"

VERSUS

Versus is a global-driven comparison platform, that provides a side-by-side comparison of everyday products covering over 90 categories. It helps the user to compare two or more things in almost any category and also helps to find the better choices among different varieties of the same products. It is a user-friendly app that can be download through the Google Play store.



EVONANO

It is a platform that allows scientists to grow virtual tumours and use AI (Artificial Intelligence) to cure them. The ability to grow and treat virtual tumours is an important step towards developing new therapies for cancer. By using this new platform, scientists were able to simulate simple tumours, and more complex tumours with cancer stem cells, which are sometimes difficult to treat and lead to relapse of some cancer patients.



INTERNSHIPS



"Study what you love and intern in what you want to do"

C++ Development (QT Creation)

IIT Bombay

Work From Home

START DATE

Immediately

DURATION

6 Months

STIPEND

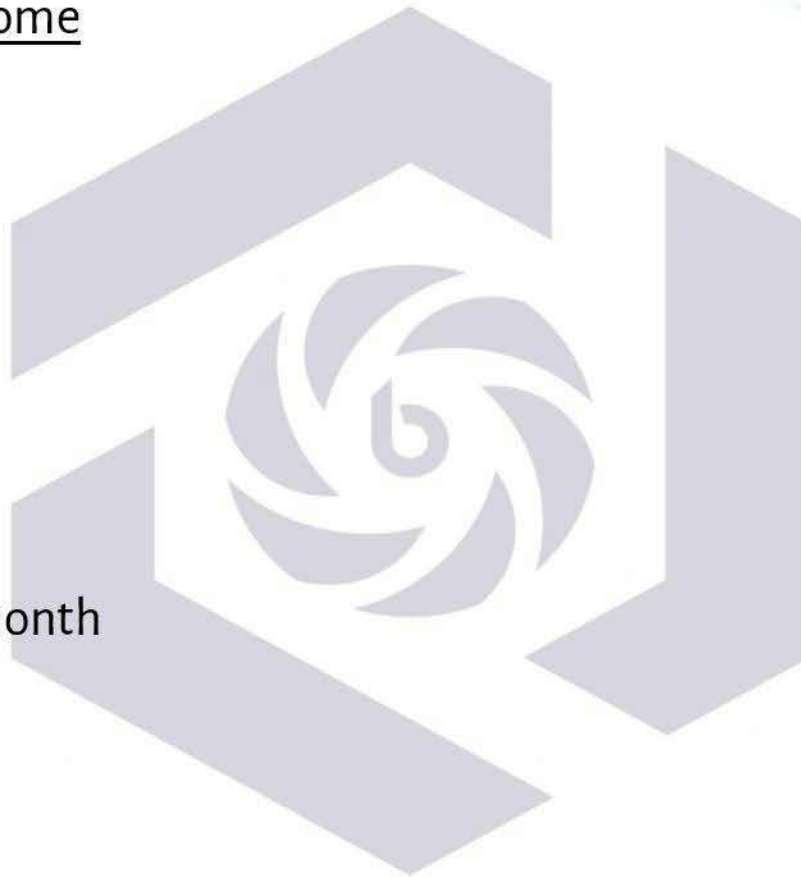
1000-2000 /month

APPLY BY

27 Oct' 21

Skill required

- Python
- Data Structures
- C programming
- C++ programming



Who can apply?

- Only those candidates can apply who:
 - Are available for the work from home job/internship
 - Can start the work from home job/internship
 - Are available for duration of 6 months
 - Have relevant skills and interests
- *Woman wanting to start/restart their career can also apply.

Perks

- certifications
- Letter of recommendation
- Flexible work hours
- 5 days a week

Link: https://internshala.com/internship/detail/c-development-qt-creation-work-from-home-job-internship-at-iit-bombay1632374358?referral=web_share

Web Development

Appenics Technologies Private Limited

Work from home



START DATE

Immediately

DURATIONS

3 Months

STIPEND

2000/months

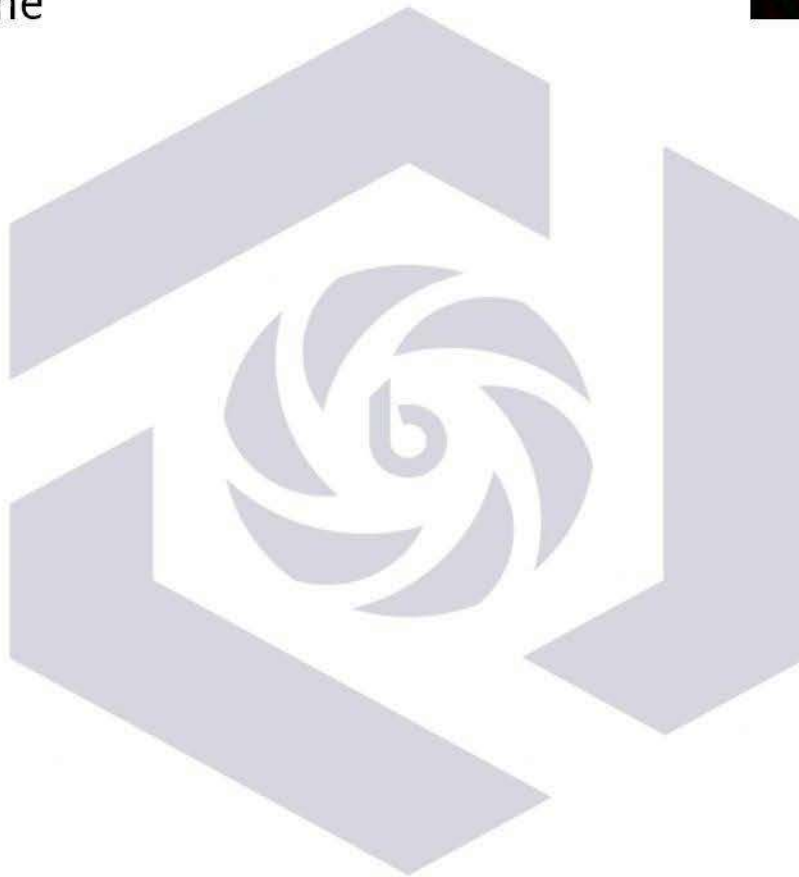
APPLY BY

29 Oct' 21

INTERNSHIP

SKILL REQUIRED

- PHP
- MySQL
- HTML
- CSS



Who can apply?

Only those candidates can apply who:

1. Are available for full time internship
2. Can start the internship between 30thOct'21 and 30thNov'21
3. Are available for duration of 3 months
4. Have relevant skills and interests

*Woman wanting to start/restart their career can also apply.

Perks

- Certifications
- Letter of recommendation
- Job offers

Number of openings

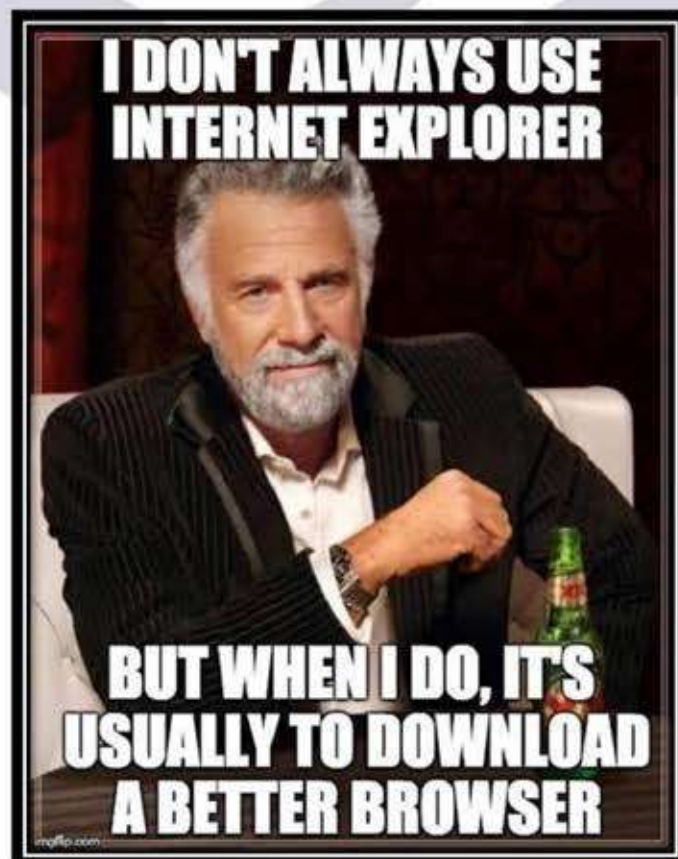
10

Links: https://internshala.com/internship/detail/web-development-internship-in-jaipur-at-appenics-technologies-private-limited1632554988?referral=web_share

FUN SECTION



"PLAY is our brain's favourite way of learning."



ENGINEERING STUDENT STARTER PACK

The selection process was highly competitive and therefore, we have decided to move forward with candidates whose qualifications more closely meet our needs at this time.

a 3 kg mass is
 a 3 kg mass is attached to a spring with 1 spring
 a 3 kg mass is in free fall
 a 3 kg mass is suspended on a spring in equilibrium
 a 3 kg mass is attached to a spring

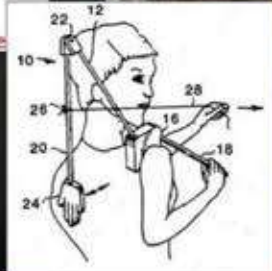


Press Enter to search



```
Error in ibwtcomp (line 25)
y = reshape(y,64,xb);

Error in bwt>dekompresi Callb
[image_reconst]= ibwtcomp;
```



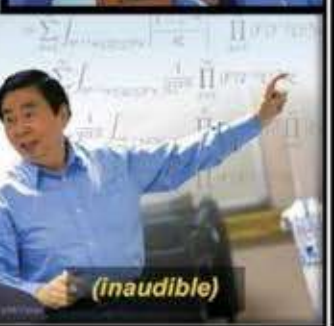
If you can please clarify this, I would be greatly appreciative. Thank you very much for your consideration.

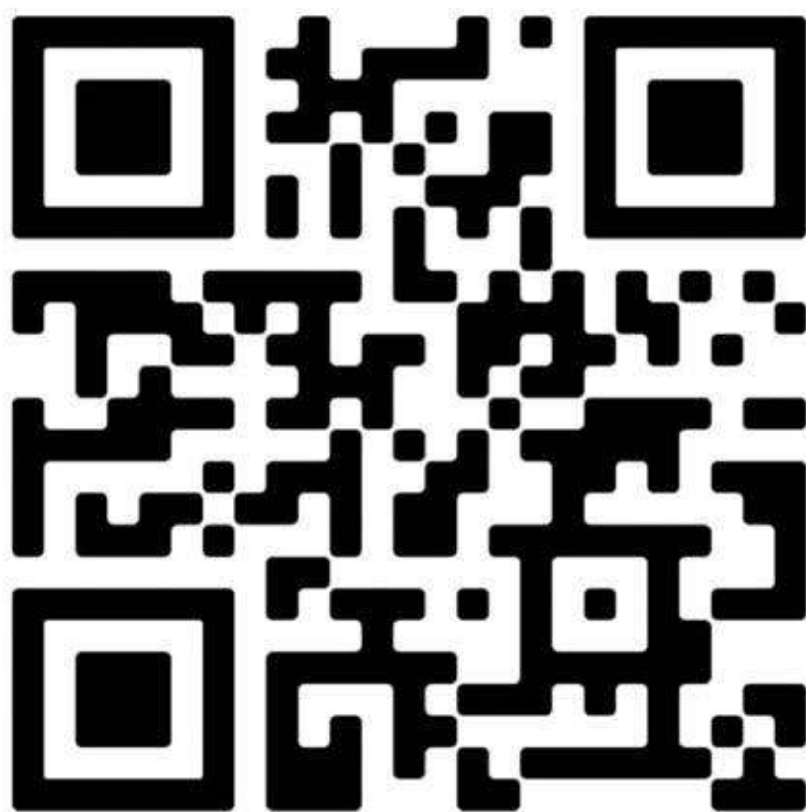
to one -

Please refer to syllabus

- Dr. Patel

Sent from my iPhone





SCAN ME



BYTES
NOT JUST ONES
AND ZEROS



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BYTES

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2021-2022

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