BYTES
NOT JUST ONES
AND ZEROS

BYTES

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2020-2021

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:
Bytescse@rkgit.edu.in

OUR TEAM

Faculty Editors

Ms. Nidhi Gupta
(Coordinator)

<Members/>

Mr. Akash Luthra
Ms. Anjali Yadav
Ms. Sonam

Student Mentors

Anukriti Pudmja
4th year
Deepanshu Arya
4th year
Divyansh Prakash
4th year
Kartik Tripathi
4th year
Naman Mishra
4th year
Piyush Kumar
4th year
Pratyush Saxena
4th year
Shruti Jain
4th year
Shwetank Rai
4th year

Student Coordinators

Aditi Singh
3rd year
Ashi Gupta
3rd year
Neetika Tripathi
3rd year
Prakharima Singh
3rd year
Satyarth Singh
3rd year
Saumya Gupta
3rd year
Shambhavi Gupta
3rd year

Student Editorial Board

Aditi Dhal
2nd year
Arushi Srivastava
2nd year
Deep Kushwaha
2nd year
Divyansh Yadav
2nd year
Lavish Sadh
2nd year
Nidhi Tiwari
2nd year
Nitigya Tiwari
2nd year
Pranjal Srivastava
2nd year
Tanya Dwivedi
2nd year
Teena Singh
2nd year
Uddhav Sankhdhar
2nd year

IN OUR HEARTS
FOREVER AND ALWAYS

Late Mr. Praveen Kumar
Assistant Professor

In Loving Memory

In the world of darkness, there came a light,

Making others' lives bright, was his delight.

He was the epitome of altruism, benevolence
and knowledge,

Whose magnanimity, illustriousness, very
humbly we acknowledge,

Such is his aura, grandeur and repute,
that every head bows down in submission to
pay him a tribute. His fondness, divinity will
ever enshrine in our hearts, and enlightenment
he radiated, keep guiding us on all our paths.

Indeed the entire RKGIT family is so fortunate,
for the legacy of values and ethos he
bequeathed to them to emulate.

IN OUR HEARTS
FOREVER AND ALWAYS

Late Ms. Meenakshi Saroha

Assistant Professor

In Loving Memory

In the world of darkness, there came a light,

Making others' lives bright, was her delight.

She was the epitome of altruism, benevolence and knowledge,

Whose magnanimity, illustriousness, very humbly we acknowledge,

Such is her aura, grandeur and repute, that every head bows down in submission to pay her a tribute. Her fondness, divinity will ever enshrine in our hearts, and enlightenment she radiated, keep guiding us on all our paths.

Indeed the entire RKGIT family is so fortunate, for the legacy of values and ethos she bequeathed to them to emulate.

Contents

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 "

Krishna Kaul (aka KR$NA)

Meet Krishna Kaul, one of India's first professional rappers. (Creator-of-IPL Anthem)

Krishna Kaul, better known by the stage name Krsna (stylised as **KR$NA**), who was one of the first Indian professional rappers, feels that the rap culture in India has exploded in the past few years.

"The Indian rap scene has exploded over the past few years. Being one of the first rappers here, it makes me really proud to see Hip Hop come so far in India. I think we are just going to get bigger as a genre, which has been the global trend. Young people gravitate towards hip hop, no matter which country it is in the world," he says.

He is one of the earliest rappers to emerge in the Indian Hip Hop scene in the mid-2000s under the stage name Prozpekt. He also briefly featured in the 2019 Bollywood film Gully Boy as himself. He is known for his lyrics and technicalities in his rap along with his infamous beefs in the Desi Hip-Hop scene.

The Indian Premier League is one most awaited sporting events in the nation. So, when it released the new IPL anthem for 2020, many were shocked to find it rather familiar. It was only after fans of Krsna heard the IPL anthem, and tagged Krsna that the artist realised something was wrong. **"It took me a moment to truly realise that IPL had actually plagiarised my song,"** he says.

Since then, the rapper has gone on to claim in a now-viral tweet that the IPL blatantly lifted a song he had originally created in 2017.

Kaul, who started rapping as a 14-year-old teen in London, made a name for himself in the Indian hip hop scene in the early 2000s.

Going by the name of Prozpekt then, Kaul first became popular in India with his angsty, anti-establishment lyrics. With songs like "Kaisa Mera Desh" and "The Lokpal Freestyle" and other songs decrying the CWG scam and in support of the anti-corruption movement, Kaul aka Prozpekt became well known as an independent freestyle rapper, with his MySpace videos ranking in lakhs of views.

But it was only after 2013 that Kaul says he started rapping "professionally". It was also the same time when Kaul decided to tone down his political commentary, as he was not getting any mainstream success with these.

In 2013, Kaul was signed by Universal Records and changed his stage name from Prozpekt. Thus, Kr$na was born. His first album, cleverly called "Sellout" became a hit with a single called "Last Night" peaking at **fifth spot of the Vh1 Music Charts in India.**

"I think I've succeeded," the singer, who is now represented by the artist management agency DNH(KALAMKAAR) Artists which also represents artists like **Raftaar**, chuckles. He was last seen in **Gully Boy** where he appeared as himself. He recently collaborated with Badshah on Roll Up.

TAKEAWAY:

- If you are ready to invest a few focused years in one field, the talented will fall below you.
- "I devoted half of my life into rapping, and I'm just 32, what's stopping you?"
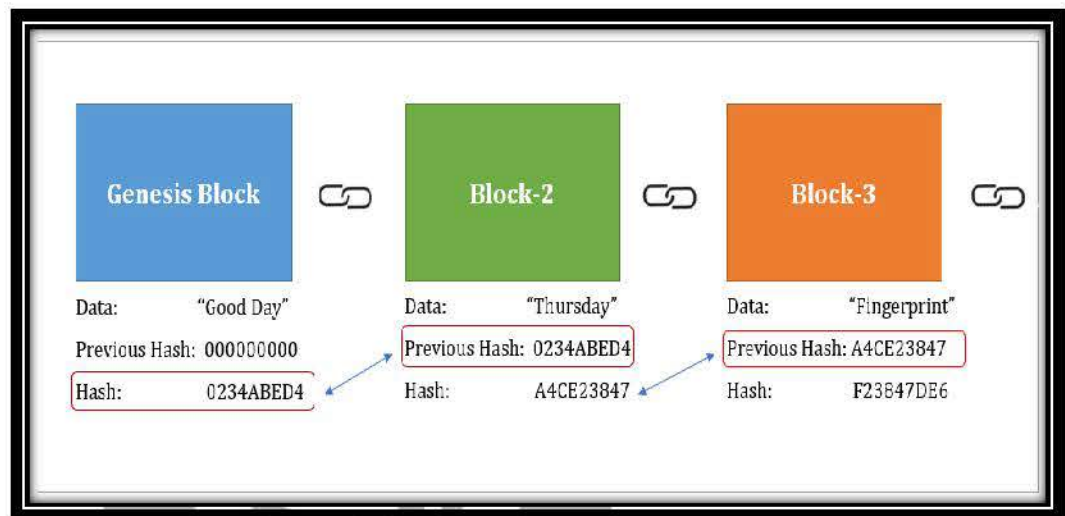- Not about passion, it's about hustle!

TECH BYTES

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

Blockchain

Blockchain is a chain of connected blocks that can store information. It's an online distributed system based on interconnected blocks that are open to everyone.

Because of the widespread acceptance of blockchain technology for cryptocurrencies such as Bitcoin, it has grown in popularity. This distributed digital ledger has a number of benefits, including the ability to keep safe, permanent, and clear records of all data and money transactions between any two parties.

There are three things on every block: the first is **data**, which is the information we store on the block, and that depends upon the type of blockchain. For

Genesis Block		Block-2		Block-3	
Data: "Good Day"		Data: "Thursday"		Data: "Fingerprint"	
Previous Hash: 000000000		Previous Hash: 0234ABED4		Previous Hash: A4CE23847	
Hash: 0234ABED4		Hash: A4CE23847		Hash: F23847DE6	

example, crypto-currencies store information about the sender, the receiver, and the transaction. The second thing every block contains is the **hash of that block**, and that hash is the block's fingerprint. It's always unique, and we use that hash to identify that block. Third, and the last thing every block contains is the **hash of the previous block**, which connects the current block with the remaining blockchain, and that's the property that makes this technology so secure.

Another property that makes this technology more secure is its **peer-to-peer nature of work**. Instead of having a central authority containing all the information about every other block and managing blocks, blockchain allows everybody to join and whoever joins gets the information about every other block. By using that mechanism, we can identify and prove that everything in the blockchain is in order.
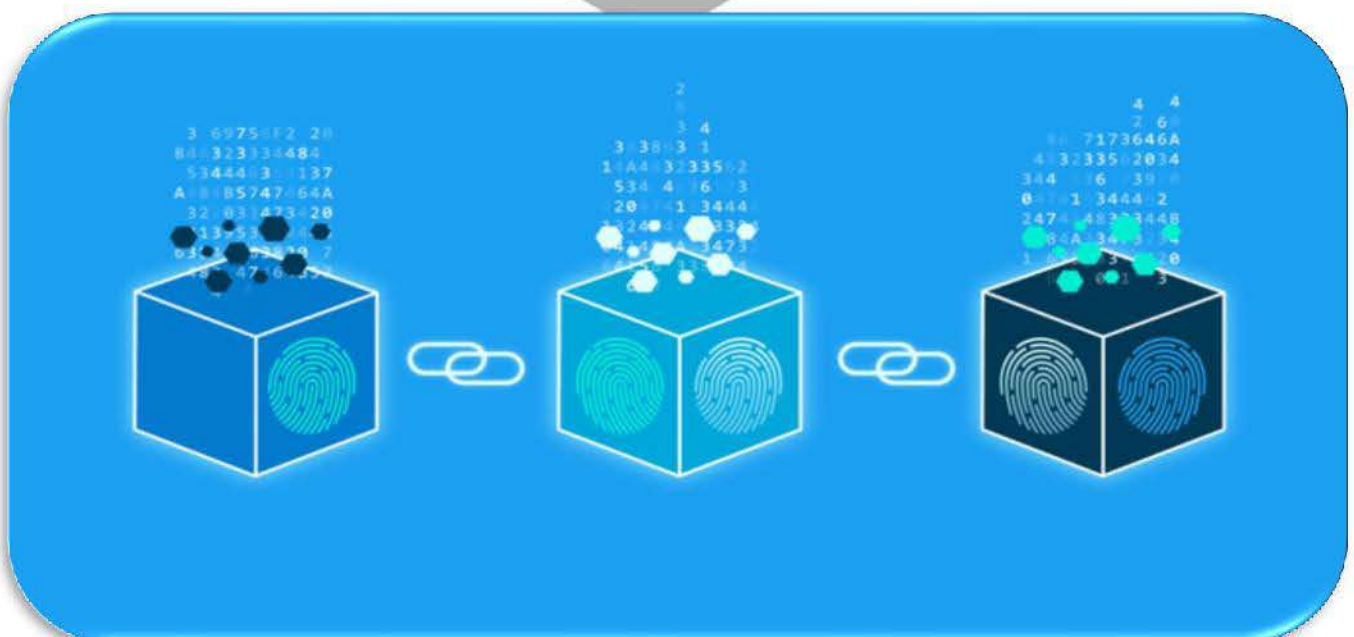
But why do we need this technology?
There are several reasons behind every technological change.

Why do we have to pay a third party a massive amount of extra fee just to do a transaction between two already agreed parties if we can do that transaction more efficiently and securely just by depending on technology? The transactions that generally take days to process can be done in almost real-time and without even paying that considerable amount of extra fees.

Take another example of a real estate business. To buy and sell property, we usually go through several processes, several verifications like government offices, landlords or authentication of ownership, and we are also not sure that the information we are getting is actually original, or it's just changed. If we use blockchain in this scenario, we will be sure that the information we are getting is authentic. Secondly, we can see who were the previous owners, how long they stayed, when the last renovation was done and who is currently owning the property **with no paperwork**.

At this moment, blockchain is a technology with a remarkably wide range of possible applications. While blockchain is best known for its ties to the booming cryptocurrency community, it has also been used for a variety of other purposes. Perhaps even more exciting is the fact that **new applications for blockchain are being developed on a daily basis**. As a result, whether you work in the digital currency industry or not, **it's important to learn about blockchain and how it can be used to change the market and investment worlds.**

TECH NEWS

LIVE

TECH NEWS

NEWS TODAY

!

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

Samsung tries to woo iPhone users with a browser-based Galaxy test drive

Samsung has launched a new website that allows iPhone users to get a "taste of Samsung" directly from their mobile browser. When users visit the site on an iPhone, it prompts them to add it to their home screen, where it then becomes a shortcut to a virtual Samsung Galaxy smartphone.

Microsoft's latest Garage app is for recording group transcriptions

Group Transcribe that allows groups of people to capture real-time joint meeting transcriptions using their smartphones, is the company's newest Garage app. This app employs a multi-device strategy to provide real-time, high-quality transcription and translation, allowing users to be more present and efficient during in-person meetings and conversations.

Continuous translated conversation

Google Assistant can now help order takeout from restaurants online

To use the new functionality, go to the Google app and search for the restaurant you want to order from, then tap the "Order Online" button on the restaurant's information card. After you've made your food choices, you can ask Google Assistant to finish the order using your Google Pay and Chrome Autofill contact and payment details.

Amazon's Alexa lets you control a Lamborghini's air conditioning

Users can monitor climate and comfort settings such as air conditioning, heater, fan speed, temperature, seat heaters, defroster, and air flow direction, as well as lighting, with Alexa's integration. It can also display information about the car's torque vectoring and traction control on a screen.
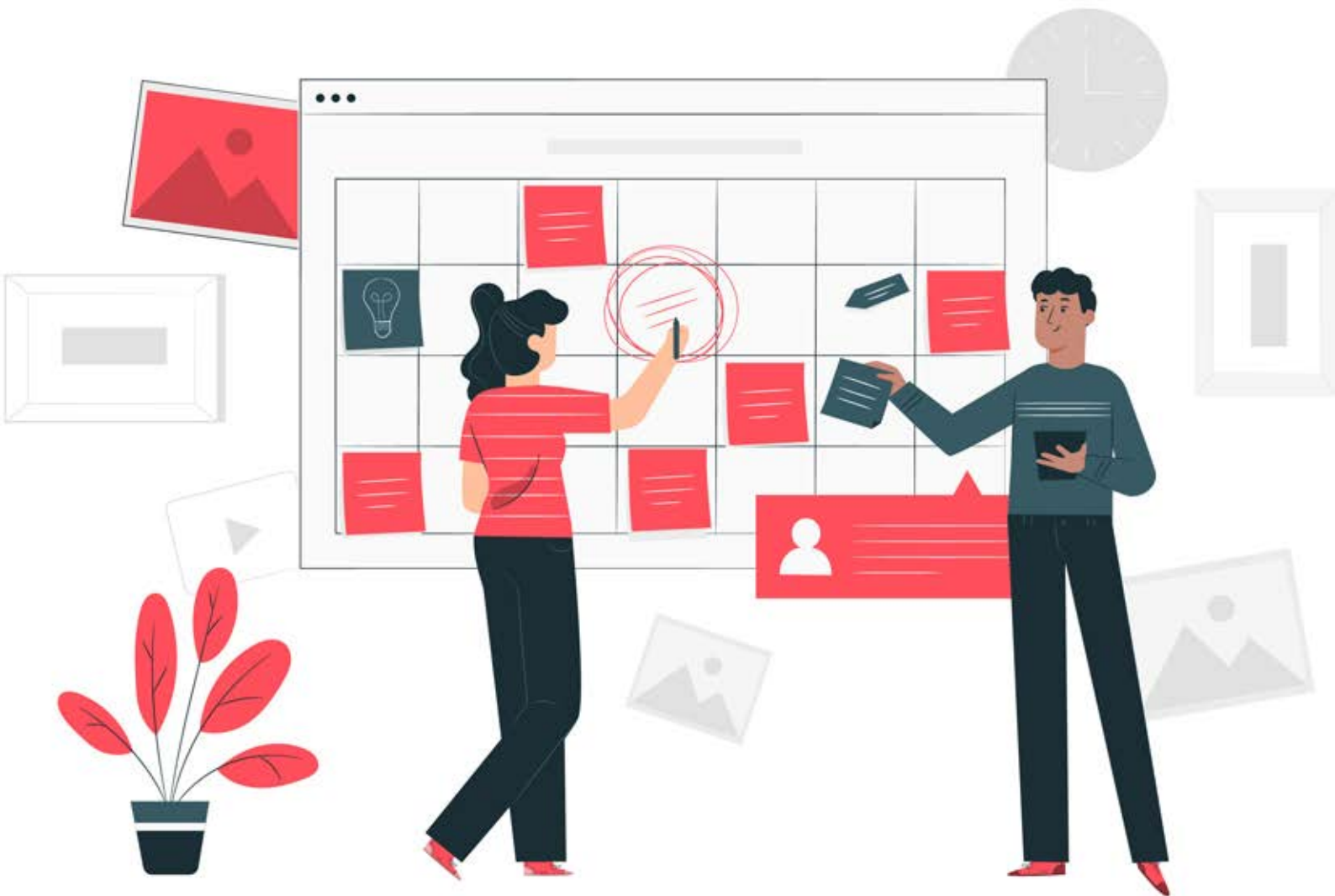

Facebook makes it easier to export text posts

Facebook is empowering people all over the world to archive their posts and notes on the social media platform and export a copy of the data to Google Docs, WordPress, or Blogger. It builds on a similar tool launched last year by the company that allows you to shift images from its portal to Google Photos

UPCOMING EVENTS

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

Pacific Asia Confrence On Knowledge Discovery And Data Mining

The PAKDD is one of the leading international conferences in the areas of data mining and knowledge discovery. It provides an international forum for researchers and industry practitioners to share their new ideas, original research results, and practical development experiences from all KDD related areas, including data mining, data warehousing, machine learning, artificial intelligence, databases, statistics, knowledge engineering, visualization, decision-making systems, and the emerging applications.

Date : 11-14 May 2021

Venue : Convention Centre, New Delhi, India

Link : PAKDD 2021

India STEM Summit And Awards

"Transforming Indian Education System" India STEM Summit and Awards will have a theme of "Transforming Indian Education System". The event is aimed towards creating an ecosystem for Robotics and Automation for breaking down silos, expanding attendees' knowledge and forging collaborations for improving Robotics and Automation in India and opening gates for research and career opportunities in this field. Highlights: 1000+ Delegates from corporate and institutions, 30+ Top Speakers from industry, 35+ Exhibitors, 300+ Award Nominations, Summits on latest topics ie. Artificial Intelligence, IoT, Robotics & Automation etc.

Date : 17-18 July 2021

Venue : Vigyan bhawan, New Delhi, India

Link : India's Largest Summit & Awards on STEM - AICRA

SCIENCE IS LAYING THE PATH TO FUTURE. LET'S WALK?

SUMMIT OVERVIEW

AICRA is proud to present the fourth Edition of India STEM Summit. The 2020 AICRA India STEM Summit is a global, super-ecosystem event, trans-disciplinary in scope. The Summit is designed to breakdown silos, expand attendees' knowledge and forge collaborations, with the overarching collective goal to improve Robotics in India and open gates for Research and Career Opportunities in Robotics and Automation. The AICRA STEM summit provides information on cutting-edge developments in all areas of STEM research from bench to bedside.

READ MORE

CHIEF GUEST
HONOURABLE SHRI NITIN GADKARI
Union Cabinet Minister MSME,Road Transport & Highways

International Conference On Recent Trends In Computing

International Conference on Recent Trends in Computing will provide an excellent international forum for sharing knowledge and results in recent challenges in engineering & technology. The aim of the Conference is to provide a platform to the researchers and practitioners from both academia as well as industry to meet the share cutting-edge developments in the field.

Date : 04-05 June 2021

Venue : SRM University, Ghaziabad, India

Link : ICRTC 2021

ACHIEVEMENTS

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

Faculty Section

Mr. Praveen Kumar, CSE Department, RKGIT has successfully completed the "Faculty Development Program on Advanced Excel with Data Visualization."

Mr. Akash Goel, CSE Department, RKGIT has successfully completed a course on "Introduction to Soft Computing."

Ms. Shailja Varshney, CSE Department, RKGIT has successfully completed a course on "Software Processes and Agile Practices " from University of Alberta through an Online E learning Platform Coursera.

Students Section

Ms. Saumya Gupta, CSE, 3rd Year has successfully completed a course on "Python for Machine Learning" through an Online E learning Platform Great Learning Academy.

Ms. Saumya Gupta, CSE, 3rd Year has successfully secured "Web Development Internship at CodingExpo Technology Private Limited" through Internshala.

FACULTY CORNER

$$E = mc^2$$

$$Y = x^2$$

$$\begin{array}{r} 384 \\ - 153 \\ \hline \end{array}$$

" 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 "

Every flower grow through dust.

To plant a garden is to believe in tomorrow.

Even the tiniest flower can have the toughest roots.

Look horizon , spread wings and fly.

Make each day a new horizon

By
Tarachand Verma
Assistant Professor

STUDENT'S CORNER

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

Like a phoenix : Rising from her own ashes !

Vanshi Tiwari
3rd year, Section - D

Drawing is the art of taking the lines to the walk.

Somya Agarwal
2nd year, Section-D

There is something about dolphins. It is difficult to put into words.
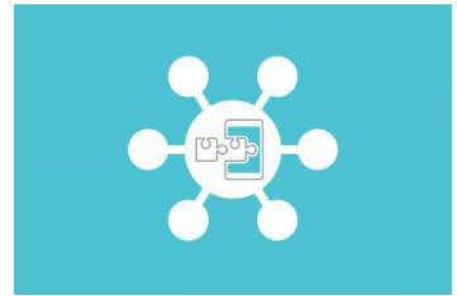
Tanya Dwivedi
2nd year, Section-D

ARE U MISSING WHAT'S NEW

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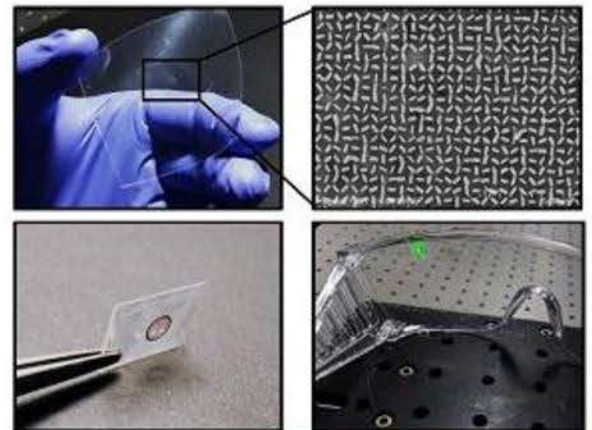
XPOSED FRAMEWORK

Every Android user has a desire to customize the apps of their phone according to their own, but this is not possible for all users. To fulfil this desire, the XPOSED FRAMEWORK has been developed.

XPOSED FRAMEWORK is an app that will let you customize your Android device the way you want. It consists of sub-applications known as modules. These modules can be used for specific customizations and are very easy to use. And there are a whole lot of modules available for XPOSED, which will make your android device awesome. However, for XPOSED to work, you will need a rooted Android device.
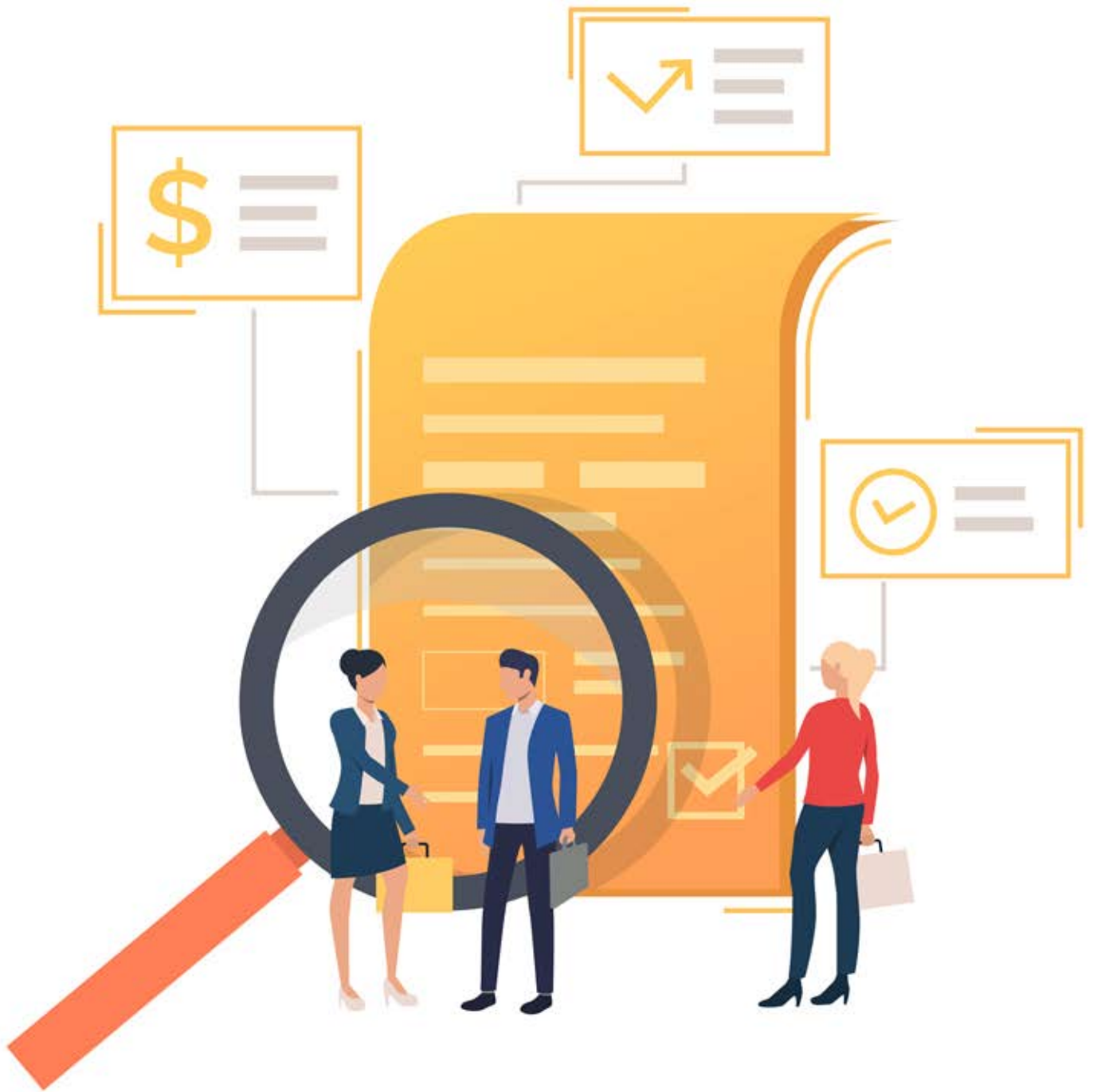
POSTECH GAS SENSOR

According to a research, in the last few years, the number of accidental deaths in the world has increased and in these deaths, about 37 percent of deaths are due to gas leaks. Gas accidents such as toxic gas leakage in factories, carbon monoxide leakage of boilers or toxic gas suffocation during manhole cleaning continue to claim lives and cause injuries. For those working in hazardous environments such as petrochemical plants, gas sensors are their life. But gas sensing devices are not widely used due to their high cost of being made with complex machines and electronic devices.

To overcome this problem a research team at POSTECH has developed an inexpensive, wearable hologram sensor that immediately notifies its user of volatile gas detection. This gas sensor requires no support from external electronic devices, and it can detect about 200ppm of gas.

It is a flexible fabricated sensor that can be used like a sticker that sticks on the clothes or glasses of the worker.

INTERNSHIPS

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

Software Development work from home job/internship at IIT Bombay

START DATE

Immediately

DURATION

6 Months

STIPEND

3000-5000 /month

APPLY BY

23 june' 21

Internship

461 applicants

Skill(s) required

Java	PHP	MySQL	HTML
CSS	JavaScript	jQuery	Python
SQL	NoSQL	SQLite	

Perks

Certificate	Letter of recommendation
Flexible work hours	5 days a week

Link:-https://internshala.com/internship/detail/software-development-work-from-home-job-internship-at-iit-bombay1617971108

Mobile App Development work from home job/internship at Veena World

START DATE

Immediately

DURATION

2 Months

STIPEND

10000-20000 /month

APPLY BY

5 May' 21

Internship

Skill(s) required

Angular   JSNode.js   MEAN/MERN Stack

Perks

Certificate

Letter of recommendation

5 days a week

Number of openings

4

Link:-https://internshala.com/internship/detail/mobile-app-development-work-from-home-job-internship-at-veena-world1618936418

PLACEMENT

" Choose a job you love,
and you will never have to work a day in your life."

PLACEMENT

<BYTES'21>

Result of recruitment Drive of Agicent Technologies, Altimetrik India Pvt. Ltd., Appinventiv Technolgies, AppSquadz Software Pvt. Ltd., Black N Green Mobile Solution, Centilytics, Chegg India Pvt. Ltd., NTT Data and Quokka Labs. We all congratulate following students who were placed in the month of March-April : -

S No.	Roll No.	Student Name	branch	Shift	company	College
1.	1703310150	Ram Sharan Yadav	CSE	2nd Shift	Agicent Technologies	RKGIT
2.	1703310086	Harshit Varshney	CSE	1st Shift	Altimetrik India Pvt. Ltd.	RKGIT
3.	1703310172	Sandeep Kumar Agnihotri	CSE	1st Shift	Appinventiv Technolgies	RKGIT
4.	1703310223	Umang Garg	CSE	2nd Shift	AppSquadz Software Pvt. Ltd.	RKGIT
5.	1703310159	Rishi Raj Sharma	CSE	2nd Shift	AppSquadz Software Pvt. Ltd.	RKGIT
6.	1703310148	Rajat shukla	CSE	1st Shift	Black N Green Mobile Solution	RKGIT
7.	1703310218	Tapasya Chaudhary	CSE	1st Shift	Black N Green Mobile Solution	RKGIT
8.	1703310125	Nitesh Pandey	CSE	1st Shift	Centilytics	RKGIT
9.	1703310031	Alka Singh	CSE	1st Shift	Chegg India Pvt. Ltd.	RKGIT
10.	1703310038	Anany Gupta	CSE	2nd Shift	Chegg India Pvt. Ltd.	RKGIT

S. No.	Roll No.	Student Name	Branch	Shift	Company	College
11.	1703310044	Ankur Singh	CSE	2nd shift	Chegg India Pvt. Ltd.	RKGIT
12.	1703310142	Raghavendra Kumar	CSE	1st Shift	Chegg India Pvt. Ltd.	RKGIT
13.	1703310173	Sandeep Chauhan	CSE	2nd shift	Chegg India Pvt. Ltd. , Mobiloitte	RKGIT
14.	1703310181	Shailesh Sharma	CSE	1st shift	Chegg India Pvt. Ltd.	RKGIT
15.	1703310205	Shubham Singh	CSE	1st Shift	Chegg India Pvt. Ltd.	RKGIT
16.	1703310217	Tanya Kansal	CSE	2nd Shift	Chegg India Pvt. Ltd.	RKGIT
17.	1703310131	Pragya Pandey	CSE	1st Shift	MAQ Software	RKGIT
18.	1703310057	Ashish Baranwal	CSE	2nd Shift	Netprophets Cyberworks	RKGIT
19.	1703310178	Saumya Pateriya	CSE	1st Shift	NTT Data	RKGIT
20.	1703310213	Sumit Rai	CSE	1st Shift	NTT Data	RKGIT
21.	1703310218	Tapasya Chaudhary	CSE	1st Shift	NTT Data	RKGIT
22.	1703310141	Priyanshi	CSE	1st Shift	NTT Data	RKGIT

S. No.	Roll No.	Student Name	Branch	Shift	Company	College
23.	1703310229	Vaibhav Chauhan	CSE	2nd Shift	NNTT Data	RKGIT
24.	1703310152	Ramanand Gupta	CSE	1st Shift	Quokka Labs	RKGIT
25.	1703310143	Rahul Gupta	CSE	2nd Shift	Quokka Labs	RKGIT
26.	1703310224	Umang Sahu	CSE	1st Shift	Quokka Labs	RKGIT
27.	1733310006	Abhishek Gupta	CSE		AppSquadz Software Pvt. Ltd.	RKGITM
28.	1733310010	Alok Kumar	CSE		AppSquadz Software Pvt. Ltd. , Chegg India Pvt. Ltd.	RKGITM
29.	1733310063	Saksham Sinha	CSE		Black N Green Mobile Solutons	RKGITM
30.	1733310067	Shivam Goel	CSE		Chegg India Pvt. Ltd. , Coforge Ltd.	RKGITM
31.	1733310012	Ananaya Sharma	CSE		Coforge Ltd.	RKGITM
32.	1733310083	Yash Tyagi	CSE		Coforge Ltd.	RKGITM
33.	1733310077	Vandit Jain	CSE		Mobiloitte	RKGITM

S. No.	Roll No.	Student Name	Branch	Shift	Company	College
23.	1733310057	Sadhna Pandey	CSE		Savantis India	RKGITM
24.	1733310071	Siddhi Agarwal	CSE		Savantis India	RKGITM

FUN SECTION

" PLAY is our brain's favourite way of learning. "
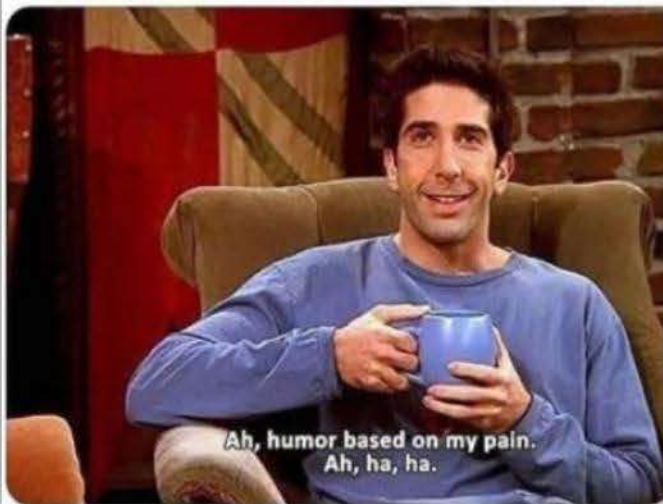
Me thinking I am a real programmer

Me Googling 'switch statement syntax' 15 seconds later

Programmers looking at programming memes

Ah, humor based on my pain. Ah, ha, ha.

Kyle 🌱 @KylePlantEmoji · 23 godz.
Me: I'm so sorry, my dog ate my homework

Comp Sci Professor: your dog ate your coding assignment?

Me:

Prof:

Me: it took him a couple bytes

255   18,7K   146K

Me: *clicks "compile"*

My $2000 laptop:

when you write 10 lines of code without searching on Google

It ain't much, but it's honest work

SCAN ME

BYTES
NOT JUST ONES
AND ZEROS

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@rkgit ghaziabad

@rkgitgzb

BYTES

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2020-2021

FOR ANY SUGGESTIONS PLEASE CONTACT US AT:

Bytescse@rkgit.edu.in