



TECHNOLOGIX
BULLETIN

JAN-MAR
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IT - DEPARTMENT | E - Newsletter

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"First we thought the PC was a calculator. Then we found out how to turn numbers into letters with ASCII - and we thought it was a typewriter. Then we discovered graphics, and we thought it was a television. With the World Wide Web, we've realized it's a brochure."

- Douglas Adams

CORONA
VIRUS
ALERT



SAFETY MEASURES INSIDE

FEATURED

- IT Department students become positionholders in internal round of SIH - 2020
- IT Department students become positionholders in Vigyanam - 2020
- Tips and Tricks to prevent CORONAVIRUS

OUR TEAM

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Saurabh (2nd Year)

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Harish Bhaskara Bhatta (3rd Year)
Tanishka Mittal (3rd Year)
Aditya Mishra (2nd Year)
Alka Singh (2nd Year)
Palluck Srivastava (2nd Year)

Student Board

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Success Stories

 DXC.technology

Gupta Priyanka Krishna

 Infosys

Prachi Choudhary

 Infosys

Shreya

 Infosys

Arpit Srivastava

 Infosys

Shivam Shukla

 DATAPIC

Vanshika Chauhan



KELLTON TECH

Ashish Pratap



TECHAHEAD

Shivam Agrawal



KELLTON TECH

Abhishek Sharma

Our Star Performers

B. Tech 4th Year 7th Semester (Session 2019-20)

MANJU LVERMA

- 90.1

ADITI SRIVASTAV

- 88.30

ANJALI VISHWAKARMA

- 87.8

PRACHI CHOUDHARY

- 87.6

SHRUTI VERMA

- 87.5

B. Tech 3rd Year 5th Semester (Session 2019-20)

TAVISHI	• 89.7
VIKRANT KATIYAR	• 84.6
AYUSH TYAGI	• 84.5
DIVYA YADAV	• 83.7
TANISHKA MITTAL	• 83.5

B. Tech 2nd Year 3th Semester (Session 2019-20)

SONAM GUPTA	• 83.68
ANKITA SINGH GANGWAR	• 82.11
PRAKRITI KHUSHWAHA	• 81.05
AJEET KUMAR GUPTA	• 80.95
MOHD FAHEEM	• 79.89

STUDENT'S ACHIEVEMENTS

SIH-2020



College Level Hackathon:

1. Trishal Khandelwal: IT 3rd year
2. Siddharth Tomar: IT 3rd year

Topic: A portal for Mentors and Entrepreneurs

by: Karnataka Government

AKTU Zonal Fest

Harshita Nigam

IT 3rd Year

2nd position

Event: Dramatics-skit



Prachi acquires

3rd Position

IT 3rd Year

Event: Cartonning



Achyut Pandey.

IT 2nd Year

1st position in AKTU Zonals Mime act.

Participated in AKTU state level.



AKTU Zonal Fest

Gitanjali Singh

IT 4th year

Worked as mentor in

*AKTU Zonal Fest

1. Skit -2nd.

2. Mime act- 1st.

*AKTU State Level Fest

Mime act- Participation



VARCHASVA

Trishal Khandelwal

IT 3rd year

Event: Table Tennis

Participated and coordinated



Tanishka Mittal

IT 3rd year

Worked as coordinator in
anchoring



LeaderShaala



Ajeet Kumar Gupta
IT 2nd Year
Participate in Leadershaala



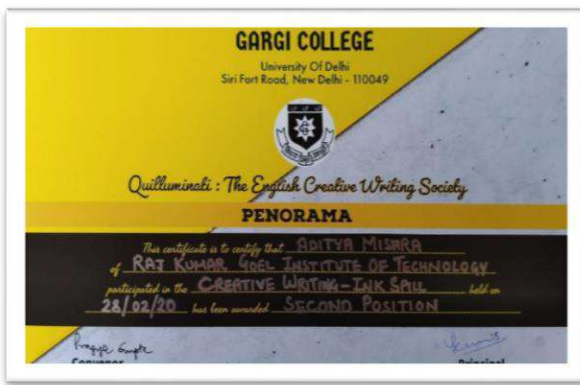
Unnati Bahuguna
IT 2nd Year
Participate in Leadershaala



Saurabh Kumar
IT 2nd year
Participate in Leadershaala

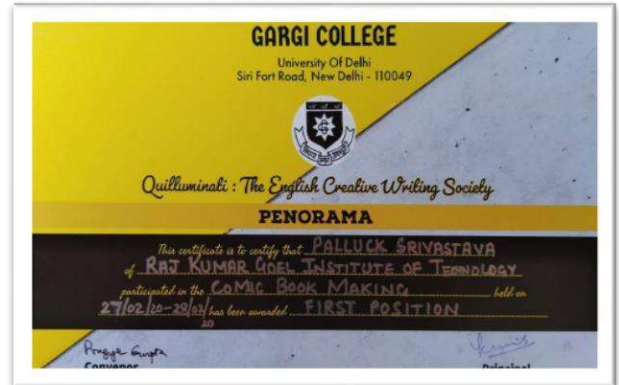
Divyanand Yadav
IT 2nd year
Participate in Leadershaala





Aditya Mishra
IT 2nd year
Participate in Creative writing INK-
SPILL
Hold 2nd position in Gargi college (DU
university)

Palluck Srivastava
IT 2nd year
Participate in Comic book
making
Hold a 1st position



Unnati Bahuguna
IT 2nd year
Participate in rangoli event at
Zonal
Secured a 2nd place

Pushkar Patel
IT 2nd year
Participate in Nukkad Natak at
cultural fest of AKTU.
Hold a 1st position



Vigyanam



'VIGYANAM'20 EDIFIED A FLAIR FOR ENGINEERING'

RKGIT organised 'VIGYANAM'20', a National Level Technical Paper Presentation Competition on 29th of February, 2020. Around 32 colleges participated with a total of 237 participants in the competition.

The competition was conducted under three domains covering two departments in one like CSE& IT, ECE & EEE and ME & CE. The Paper Presentations focused on various current hot topics related to new technologies and Innovations like IOT, AI, ML, Water and Sewage treatment plants, Machine designs etc. First three winners of each category were awarded with Attractive Cash prizes along with gifts and certificates for all the participants.

The Event was graced by the benign presence of Chief Guest Mr. S.K Tiwari, Deputy General Manager, Philips India. On whole the Event was a great success in achieving its motive under the supervision of Convenor Dr. Puneet Chand Srivastava and Co-convenor Mr. Upesh Bhatnagar.



Ajeet kumar Gupta
From IT 2nd Year
Awarded 2nd Position
For representing "Block chain
Technology"



3rd Year Networking Workshop



WORKSHOP ON NETWORK MANAGEMENT AND ETHICAL HACKING

This workshop was conducted by Shikha Agarwal from 2nd to 4th of March 2020 for 3rd year students of 6th semester of IT department and taken by Santu Purkait Sir. The basic motive was that of to make students aware of how networking skills can be used to harm people and how we all can protect ourselves from people on the web who wants to harm us, the main difference between cyber security and this workshop is that cyber security deals with passive methods to avoid digital problems whereas in this workshop students were thought on how to actively tackle the cyber problems. Various topics such as network monitoring, network tracking, network administration through Linux and many more.



The best part of the workshop was of creating Trojans and injecting them remotely to the target machine, different tools such as ProRat was used, monitoring on the target machine after uploading them and may such interesting and interactive activities in which students participated with full joy. Unlike another workshop student didn't want this one to end so quickly, but as all good things comes to end this too ended within three days. Seeing the response and active participation of students' trainer Mr. Santu promised to conduct another such workshop for more period of time so that he could also enjoy teaching and students can also enjoy learning new skills.

Student Corner

IN THE FALL OF 2017

"In the fall of 2017, that is, exactly 3 years ago, I was returning home after 3 months. I was preparing for IIT-JEE exam in one of the most prestigious coaching centres in Kota, but, as the syllabus was all completed by the teachers, they wished us luck and suspended the regular classes for the self-study of the students. However, the doubt classes used to be held and teachers would be present at the coaching centre in case a student have any doubt regarding any subject, he could go and clarify it.

As, my whole syllabus was complete I decided to go back to my home as I can study even there and also it would be a good environment as my parents would be there. This was the excuse I gave to my parents to convince them to allow me to come home. The actual reason was a bit different. The actual reason was she—the love of my life. Let's call her—Sukriti.

During my whole train journey, I was thinking about how am I going to react when I would be seeing her after so long time. Last time, she had a haircut to carry a new look, now, her hair might be long, silky. I was imagining how she would be looking now, and as it could be easily noticed I was a hell lot of excited. But I knew I had to reduce this excitement a little because there would be my parents waiting for me at the station and I didn't want to give them any hint about it.

In the train, I already messaged her the news about my homecoming as it would not be safe to message her while being at home or with parents. I didn't want to take any risk. She was so excited after getting the news and we made a plan of meeting on the day after tomorrow as tomorrow she had a plan of spending the day out of the town with parents and she couldn't cancel it. So, we agreed on finally meeting on the day after tomorrow at the safest place—our school to meet where neither we could get caught nor we had to suffer the vigilant vision of the people crossing by or around each other.

Train reached on time and as expected my parents were there to welcome me. I got down and touched their feet to get the blessings. My mother hugged me after a long time and I felt so relaxed in her arms.

I reached home and got a great welcome, as my mother had prepared different dishes for me—all my favourite ones. I checked my room and it was as it is, I left it. I laid down on the bed and closed my eyes.

Suddenly my eyes opened due to a call—it was Ritika—Sukriti's best friend. I picked up the call. She was sounding like she had been weeping for a long time. Her voice was fluctuating and the words which she was trying to say were not clearly audible to me. The only thing I understood was that she was not good—something is really wrong. She said she wants to meet me as soon as possible. As, I was meeting Sukriti the day after next day, I told her that we could meet tomorrow. So, she said okay.. we will be meeting at the hill side behind the school.

Next day, I went at the decided spot and found that she was already sitting over there. Her face was pale due to excessive weeping and her eyes were real red. On seeing me, she stood up, came and hugged me and started weeping again. I comforted her and consoled her to not weep and tell me what happened.

She told that Akash—her boyfriend in the past 2 years was cheating on her with some other girl and she got to know about it 2 days back since then she was crying. She even couldn't talk to Sukriti as she was out of the town with her family but when she heard that I am coming in the town she quickly contacted me without any second thought.

On listening her, one thing was pretty sure that she was in need of help at that time and I as a friend should do any possible method to help her out. I wrapped my one arm around her shoulder, she kept her head on my shoulder and I kept my head on her head. Slowly, she was coming nearer to my face and after sometime our faces were so near to each other that we could feel each other's breath. After a few seconds, our lips met and there was kiss for like 7 seconds between us. Suddenly, I recalled the face of Sukriti and regained all my senses back and moved away from her.

She thought it was her fault and apologised. I drank some water and relaxed my mind. After seeing me like this, she felt guilty and suggested that we should not tell anybody about it. I agreed to her and got back home. Whatever which was happened I just wanted to forget all the things like a nightmare.

Next day, I was so excited as I was going to meet Sukriti. I put on my new shirt and my lucky trousers, lucky—because she gifted me last time. I reached the place on time but she was not here yet. I thought that it's good to prepare myself first before presenting myself in front of her.

After some minutes, she arrived. I saw her and yes, she did have long hair now, curls were teasing her eyes and after a set of every few minutes she put them back behind her ear. I ran towards her and hugged her tightly explaining how much I missed her and how much I love her. She had tears in her eyes, I thought they were the tears of joy. But then she asked...

"How was the kiss, Dev?"

Yes, Ritika had told her everything which all happened between us yesterday which she was not supposed to tell and it was her idea to not to tell anybody otherwise I would have told Sukriti about that and I was sure she would understand. But now I didn't know how or what she told her but I was sure on one thing whatever she told her it was not good for our relationship and I had to do something to save it.

Her question brought tears in my eyes...

"Sukriti, please listen to me. It's nothing like you think."

"Please Dev. Not anymore." And she raised her hand to signal me to keep myself away from her.

"I just came here to tell you that you broke my heart and I can't be with you anymore. Today onwards, you are on your way, I am on mine and if you ever loved me you would not try to follow or talk to me. If you are innocent and we had to meet, then destiny would bring us together. Have a great life ahead, Dev" And she kissed my head and walked away.

I cried, cried and cried but there was nobody there to hear me out. Even a person who make people cry doesn't get such punishment which I got for wiping someone's tears. I was seeing her walking away of my life hoping she would turn, but she didn't."

BY- ACHYUT PANDEY

IT 2nd Year

ALUMNI MESSAGE



Anurag Sinha
(2010 - 2014)

College is one of the memorable parts of a student's life whether it was about friends, professors or growth of life. We have to make so many decisions as it will make an impact on the career and future of one's life.

In my case support of the faculty members not only helped me to score good marks, but also helped me to overcome the flaws for being a good human being.

I have so many memories with my IT batch mates and Faculty like Ritu mam, Priya mam, Indu mam, Daisy mam, Upesh sir, Saurabh sir, Santosh sir, they were the life to our IT department and I feel blessed for the learnings from them. Throughout journey they were very supportive and inspiring and they make sure students should be comfortable and progress in academics.

I will always cherish the feeling of studying at an institute which focused on career enhancements along with overall skill development.

Thank you RKGIT once again for being my best memory.



Avinash Sharma
(2014-2018)

RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY is much beyond just an "Institution" ...It actually denotes a "Culture" ...Culture of excellence, empowerment, and enrichment. Being a part of RKGIT, I feel blessed.

The college has moulded my personality and clarified my vision of the future. That day is not far when people will recognize me with the name of RKGIT and I am very grateful to the Institute for providing guidelines and motivation to inspire me to achieve my goals.

Edge Computing



Formerly a technology trend to watch, cloud computing has become mainstream, with major players AWS (Amazon Web Services), Microsoft Azure and Google Cloud dominating the market. The adoption of cloud computing is still growing, as more and more businesses migrate to a cloud solution. But it's no longer the emerging technology.

As the quantity of data we're dealing with continues to increase, we've realized the shortcomings of cloud computing in some situations. Edge computing is designed to help solve some of those problems as a way to bypass the latency caused by cloud computing and getting data to a data centre for processing. It can exist "on the edge," if you will, closer to where computing needs to happen. For this reason, edge computing can be used to process time-sensitive data in remote locations with limited or no connectivity to a centralized location. In those situations, edge computing can act like mini datacentres. Edge computing will increase as the use of the Internet of Things (IoT) devices increases. By 2022, the global edge computing market is expected to reach \$6.72 billion. As with any growing market, this will create various jobs, primarily for software engineers.

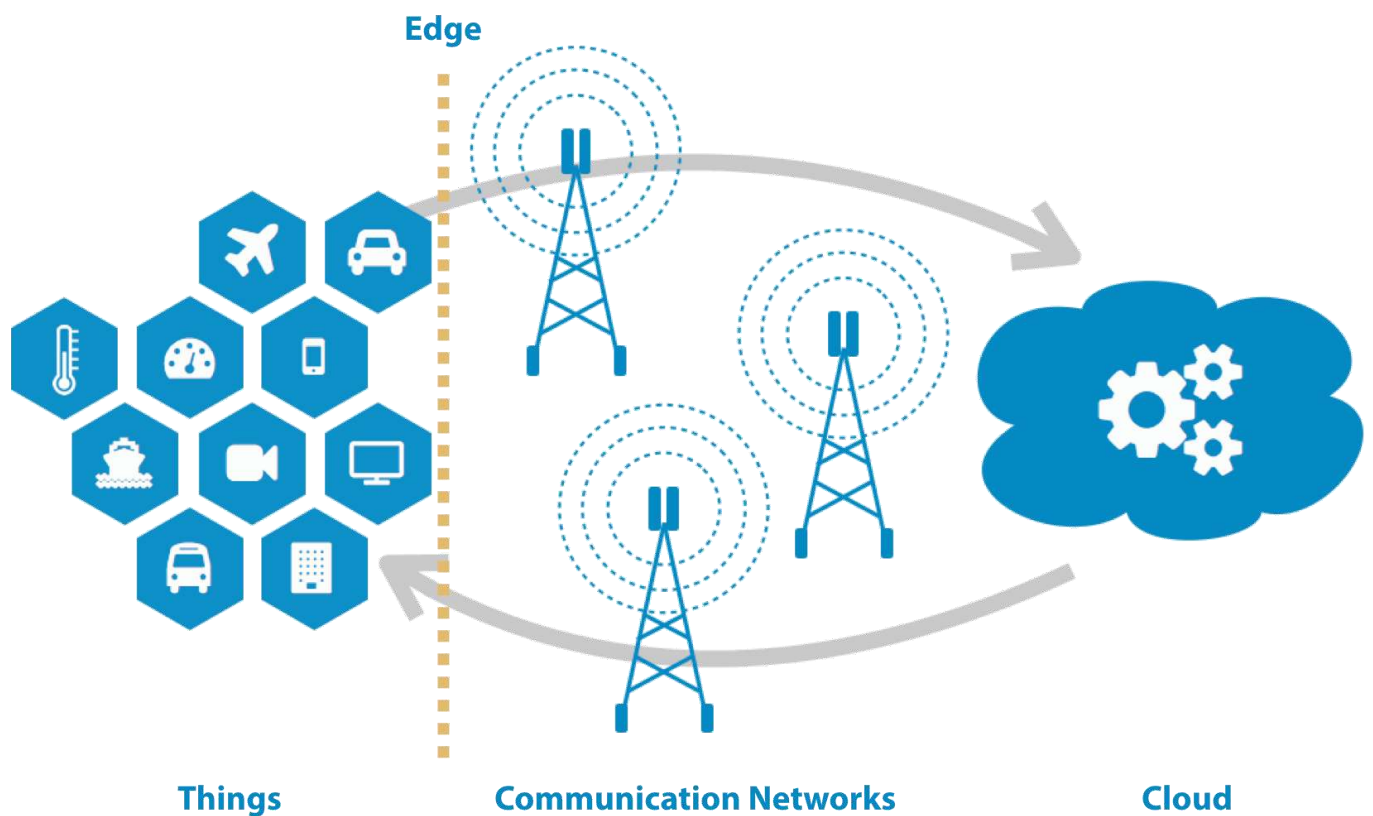
Edge Computing Vs. Cloud Computing

Companies big and small are continually moving their applications to the cloud. More than 28 percent of an organization's total IT budget is now kept aside for cloud computing. Today, 70 percent of organizations have at least one application in the cloud, indicating that enterprises are realizing the benefits of cloud computing and slowly adapting.

Even as companies and industry experts predict the future growth of cloud computing, experts believe that the cloud has reached the end of its run at the top, and are betting on the growing popularity and benefits of edge computing. In a fireside chat, Anand Narayanan, Chief Product Officer of Simplilearn, and Bernard Golden, an influential voice in cloud computing, discussed the current state of cloud computing and why the edge is poised to become the future of IT transformation in companies. We've collected some nuggets from this conversation to help you gain advanced insights into edge computing and why it's the next big thing in IT.

Why Is Edge Computing Needed When Cloud Computing Is Available?

This is a pertinent question asked by most IT professionals. In the fireside chat, Bernard explains how edge computing is helpful in situations where organizations wish to bypass the latency caused while communicating information from the device across the network to the centralized computing system. He gives the example of a machine whose functionality is very crucial for an organization. A delay in the machine's decision-making process due to latency would result in losses for the organization. In such cases, organizations will prefer edge computing because smart devices with computation power are placed on the edge of the network. The device monitors a pre-defined metrics set for tolerance levels, if the metrics are outside of the prescribed tolerance, a warning signal is issued as soon as the machine reaches the failure level, resulting in the shutdown of the machine within microseconds to avoid further losses. The process of edge computing differs from cloud computing because it takes time, sometimes up to 2 seconds to relay the information to the centralized data center, delaying the decision-making process. The signal latency can lead to the organization incurring losses, hence organizations prefer edge computing to cloud computing.



Corona Virus

THERE'S ONLY ONE THING YOU NEED TO UNDERSTAND ABOUT HOW A CORONAVIRUS

SPREADS

THE VIRUS SPREADS WHEN these droplets



SO IF YOU SEE SOMEONE WHO IS VISIBLY COUGHING/SNEEZING/SICK, YOU CAN CHOOSE TO:



① KEEP YOUR DISTANCE. 2m to 0.5m will keep you safe from large droplets.

OR,



② GIVE THEM A MASK. THEY CAN COUGH / SNEEZE INTO IT AND PROTECT EVERYONE ELSE NEARBY

AND IN GENERAL, IT'S A GOOD IDEA TO AVOID CROWDS, BECAUSE YOU DON'T KNOW WHO MIGHT BE SICK.



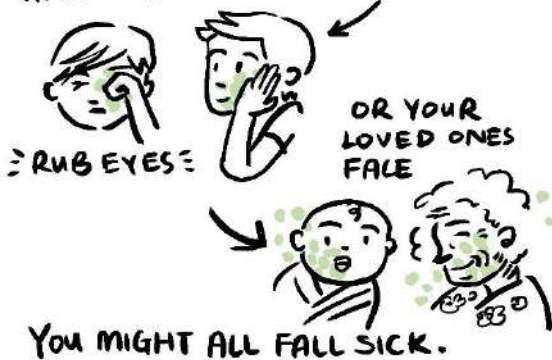
HOWEVER, SOMETIMES A SICK PERSON'S SALIVA CAN GET ON OTHER THINGS...



> & EVEN ON THE OUTSIDE OF YOUR FACE MASK

A hand-drawn illustration of a person wearing a face mask. A speech bubble next to the mask says '& EVEN ON THE OUTSIDE OF YOUR FACE MASK'. An arrow points from the text to the outside of the mask. The person is labeled 'HEALTHY PERSON'.

AND IF YOU TOUCH ANY OF THESE THINGS BY ACCIDENT, AND THEN TOUCH YOUR FACE,



VIRUSES CAN LAST FOR UP TO 48 HOURS ON OBJECTS,



AND THE ONLY EFFECTIVE WAY TO GET RID OF THEM IS TO WASH THEM OFF WITH SOAP.

WHICH IS WHY IT IS ALSO GOOD TO FOLLOW THESE

5

PRECAUTIONS

1 WASH YOUR HANDS THOROUGHLY WITH SOAP AND WATER FOR AT LEAST 20 SECONDS AFTER TOUCHING A SUSPECTED CONTAMINATED SURFACE



WHAT IS THOROUGHLY?



2 COVER YOUR COUGH WITH A DISPOSABLE TISSUE OR USE MASK AND DISCARD THEM IMMEDIATELY IN A WASTE BIN. DON'T WEAR THE MASK FOR MORE THAN A DAY.



3 AVOID COMING INTO CONTACT WITH PEOPLE WHO ARE SICK OR SHARE THE PERSONAL ITEMS, FOOD, UTENSILS, CUPS & TOWELS

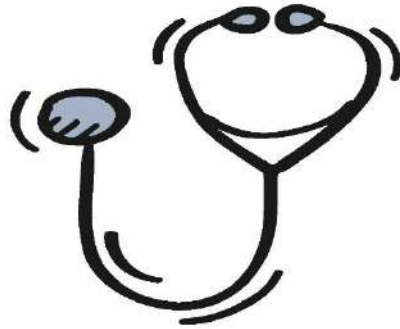


4 AVOID TOUCHING YOUR EYE, EARS AND NOSE



AND FINALLY,

5 SEEK MEDICAL ADVICE IF YOU ARE SICK



STAY SAFE,
EVERYONE!

