



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

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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



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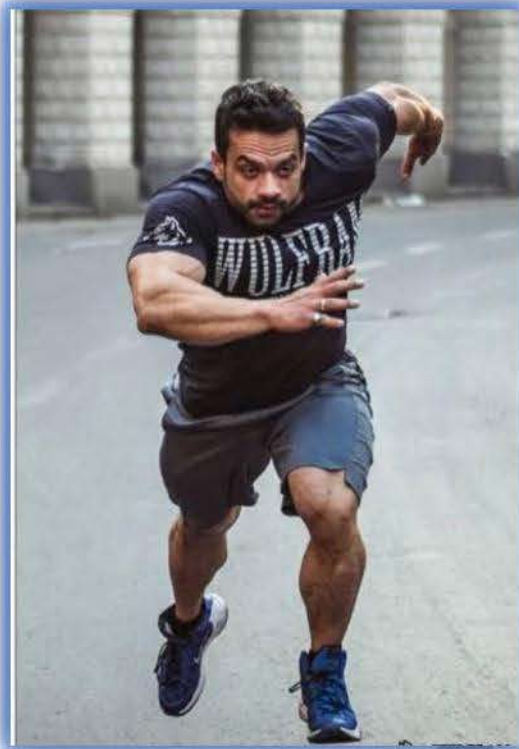
Fun Section

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 ”

Gaurav Taneja (aka Flying Beast)



Meet Gaurav Taneja, the YouTuber and pilot who almost brought an airline down. (IITian-turned-YouTuber)

Gaurav is a professional airline pilot who has captained narrow body aircraft for Indigo and Air Asia India. He is also a fitness enthusiast, which, he says, led him to become a YouTuber. As of 2021, Gaurav Taneja has a net worth of \$2 million. Gaurav Taneja, one of the most popular Indians on YouTube, is always in the news for his rapidly growing list of admirers. He runs three YouTube

channels which collectively have more than 8 million subscribers. Now that is influence. Gaurav is a man who wears many hats. He is a pilot, a fitness enthusiast, and a vlogger. Taneja is known for his YouTube channels. He has three channels on the video-sharing platforms: Flying Beast, Fit Muscle TV, Rasbhari Ke Papa, having 5.20 million, 2.00 million and 1.35 million subscribers, respectively.

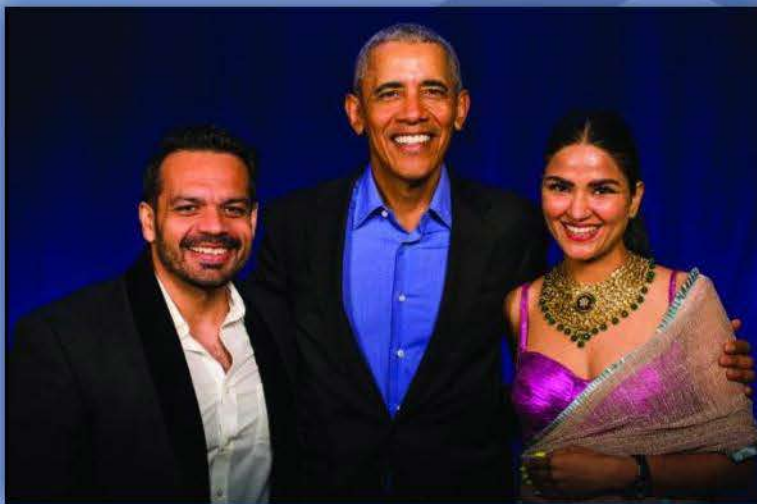
While the first one is a travel vlogging channel where he shares his travel-related vlogs and other things related to his personal life, the second one is where he plays computer games and the third one is a fitness channel, where he provides tips and guidance for people who like bodybuilding.

"A friend recorded a Facebook live when I was giving bodybuilding advice to someone at the gym," he says. "It worked and that's when the youtube journey began." Gaurav now puts up vlogs of his daily life with wife Ritu Rathee, also an airline pilot, and their toddler, nicknamed Rasbhari.

You are a certified nutritionist, a professional bodybuilder, and you make vlogs. How do you make time for all the things?

I have trained myself over the years to make time for everything. Ever since I was young there was a burning desire in me to chase everything I wanted. Vlogging, bodybuilding and my career in the airline industry are pretty much what I envisioned when I was young.

To be successful, you have to go through the hard grind, which is why **I don't waste a single minute** as I have organised it well with a tight schedule that keeps me on my toes and allows me to hit the gym, make interactive videos and keep up to date on what is going in the airline industry.



Gaurav Taneja has set a world record with his latest YouTube channel Rasbhari Ke Papa. The channel got 1 lakh subscribers in 98 minutes and touched 1 million in four days. Pakistani cricketer Shoaib Akhtar had reached this mark in 28 days.

Gaurav Taneja and his Wife with Barack Obama. He's been featured on the cover of various renowned magazines like MensXP.

TAKEAWAY:

"If you do something with the aim of becoming famous, you lose it there and then," he says. "Your motivation should be your love and passion for it, like I've had for IIT, bodybuilding, aviation, and now filmmaking."

TECH BYTES



“ The best way to predict the future... is to invent it ”

Big Data

Big Data is a massive collection of data that continues to expand exponentially over time. It is a data set that is so enormous and complex that no conventional data processing systems can effectively store or process it.



The volume of data, the velocity or speed at which it is produced and stored, and the variety or breadth of the data points covered (known as the "three v's" of big data) are all variables to consider. Data mining is a popular source of big data.

What Makes Big Data Work?

Big data can be obtained voluntarily from personal devices and apps, through questionnaires, product transactions, and electronic check-ins, as well as publicly posted reviews on social networks and websites.

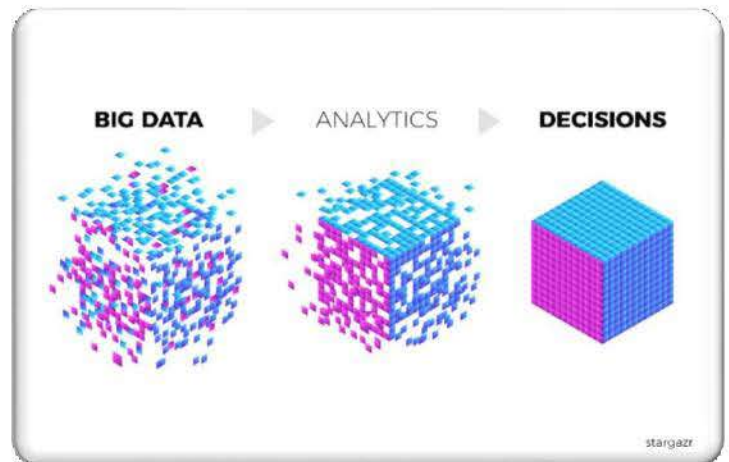
Big data is often stored in computer databases and analysed with software designed to deal with massive, complex data sets.

Big Data's Applications

To assess if a correlation exists, data analysts examine the relationship between various types of data, such as demographic data and purchasing history. Such evaluations may be conducted in-house or by a third-party specialising in **converting big data into understandable formats**. Businesses often turn to such experts **to analyse big data and turn it into valuable information**.

Like Alphabet and Facebook, many businesses use big data to generate ad revenue by targeting advertising to users on social media.

Data analysis results can be used by nearly any department in an organisation, from human resources and technology to marketing and sales. *Big data helps to speed up the time it takes for goods to reach the market and the time and money needed to achieve market adoption, target audiences, and keep consumers happy.*



The Benefits and Drawbacks of Big Data

The rise in data volume poses both opportunities and challenges. In general, getting more data on customers (and potential customers) should allow businesses to target better products and marketing efforts **to ensure customer loyalty and repeat business.**

With the amount of personal data available on individuals today, it is critical that businesses take measures to protect that data; this is a subject that has sparked heated debate in today's online world, especially considering the numerous data breaches that have occurred in recent years.

Although better analysis is a good thing, big data can also lead to overload and noise, which reduces its utility. Larger quantities of data must be treated, and it must be determined which data reflects signals versus noise.

Furthermore, the data's complexity and format can require special treatment before it can be used. Structured data, which is made up of numeric values, is simple to store and sort. Unstructured data, such as emails, images, and text documents, can involve the use of more advanced techniques before becoming useful.

TECH NEWS



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

Chrome for iOS will soon keep incognito tabs even more secret with Face ID

Google is testing a new privacy feature for its Chrome browser for iOS, which will allow incognito tabs to be locked behind Face ID. To secure an iPhone or iPad, Apple's facial recognition system is used, but many apps have their own Face ID support for added security.



Apple reportedly negotiating to build iPads in India

The push to diversify away from China continues.

The government is preparing to introduce an incentive program to improve India's computer exports, and Apple is interested – but needs a better offer.



The project would have a budget of up to Rs. 70 billion over five years, but Apple is currently asking for nearly triple that amount, to Rs. 200 billion. One of the reasons is that India's supply chain does not yet have the scale to meet Apple's demands.

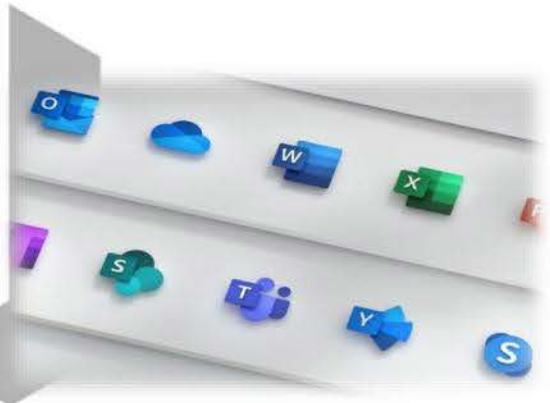
Amazon to open its first manufacturing line

The Chennai line will be capable of manufacturing hundreds of thousands of devices each year, beginning with the Fire TV line of streaming devices. According to the firm, it will “continuously evaluate scaling capacity to additional marketplaces/cities based on domestic demand.”



Microsoft announces Office 2021

Office 2021 will be available later this year for both Windows and macOS, and, like the previous Office 2019 release, it is intended for those who do not wish to subscribe to the cloud-powered Microsoft 365 versions.



Samsung partners with Audi, BMW, Ford, and Genesis to turn your phone into a car key

The dream of using your phone to open your car door could be coming true: Samsung has revealed that the feature will be available as early as August 2021. Moreover, those digital car keys should work with Apple iPhones as well as other Android products



EVENTS



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

ALUMNI TALK-6

Under the aegis of “COMPUTER SCIENCE AND ENGINEERING” department, an alumni talk was organised on 15th January 2021. It was an online program led by Mr Sanuj Kumar, Batch (2011-2015) who is currently pursuing Masters in Computer Science at New Mexico State University.

The Agenda for the meet was as follows:-

- How's life is in a foreign land?
- Work study culture & How Students can finance his/her education (Scholarship, Education Loan etc.)
- What to do after MS?
- GRE, IELTS & TOEFL

Raj Kumar Goel Institute of Technology, Ghaziabad

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ALUMNI TALK-6
(Guidance for Higher Studies)
15th January 2021(6PM Onwards)

Mr. Sanuj Kumar
Research Intern @NMSU
Las Cruces, New Mexico
United States

AGENDA FOR THIS MEET

- *How's life in a foreign land?
- *Work-Study Culture (Graduate Assistantships)
- *GRE, IELTS & TOEFL
- *Financing your education (Scholarship, Education Loan, etc.)
- *What after MS?
- *What you need to do

REC Sanuj Srivastava is presenting

meet.google.com/bao-wooc-tfu/pli=1&authuser=0

guidance_for_higher_studies

When can you go for MS?

- Just after Bachelors
 - Pros : Academic flow is maintained,
 - Cons : If no experience at all, its difficult to get calls for hiring
 - Try and get an internship or work free lance
- After getting Some experience
 - Pros : Higher chance of getting calls from companies for hiring
 - Cons : Returning to academic environment is not easy
 - Try to start reading and revising some stuff (if possible)

People (59)

- Shaurya Deshwal
- shourya srivastava
- Shikhar Goyal
- Shweta Gupta
- Sneha Kesarwani
- Urvashi Gupta
- Vedang Goswami
- vedant golash
- VIPIN DWIVEDI

Speakers (Realtek(R) Audio)

90

6:38 PM 1/15/2021

The talk was conducted on Google Meet Platform at 6.00 PM. The session was attended by students with full of excitement.

In the talk, Mr. Sanuj has also shared his experiences related to his journey started from doing preparation for MS to pursuing MS from a reputed university. The event was very informative for those students who want to do masters in their near future. It enlightened all participants and explained to them about the problems during pursuing MS, how to tackle them and about the benefits of doing MS.



EXPERT TALK



RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY, GHAZIABAD
Department Of Computer Science & Engineering
EXPERT TALK
Topic
Machine Learning and its Application
29th Jan 2021
From 3.30 PM
Onwards



Guest Speaker
Saksham Jain
(Software Developer,
Amazon)
| ex - bpcl officer
| ex - isro intern
| NITian

Event Coordinator:
Ms. Vernika Singh

**Meeting ID: 825
3222 5905**
Passcode: 654211

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The Department of Computer Science and Engineering organized an essential EXPERT TALK on "Machine Learning & its Application" for all engineering students on 29th January 2021 from 3:30 PM onwards. Mr. Saksham Jain who is a Software Developer at Amazon, Ex BPCL Officer and Ex ISRO Intern was invited as Expert to share his experience and deep knowledge

on Machine learning and its applications. The event was directed under the supervision of Ms. Vernika Singh, Assistant Professor CSE department.

The goal of the event was to make the audience know about the latest tools and technologies in the field of Machine learning. Machine learning can be defined as the practice of using algorithms to extract data, learn from it, and then forecast future trends for that topic.

The event streamed on zoom digital platform and more than 200 students joined the event.

Through this talk, the audience gained knowledge about the applications of Machine Learning in various industries, including healthcare, e-commerce, finance and retail etc.

E ALUMNI GLOBAL MEET

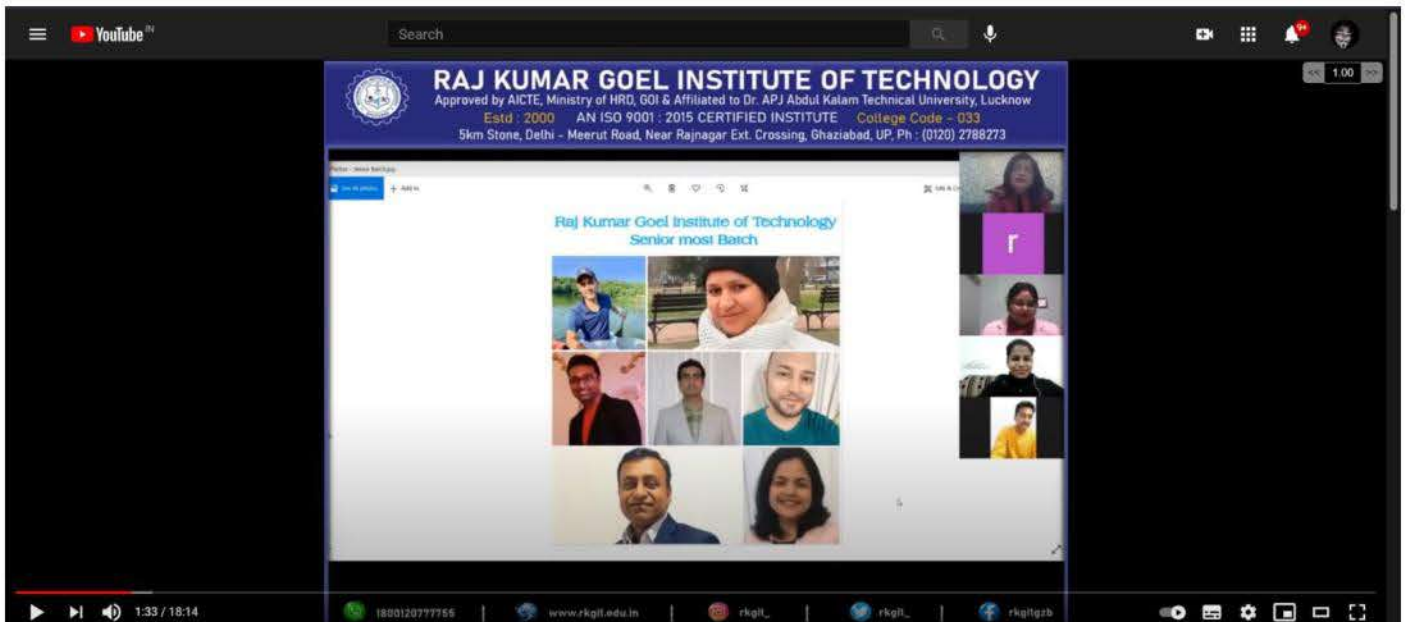


It is said that, a founder can take his establishment to great heights, but it is also through the continued contributions and success tales of its alumni, that the rich legacy is carried forward and recognized with appreciation and acknowledgment across all domains. Since its inception in 2000, Raj Kumar Goel Institute of Technology, Ghaziabad has produced thousands of global leaders who have achieved great laurels in their respective fields and the institute maintains a strong alumni network to keep the alumni, students, faculty and

staff in close bond and relationship with each other and to ensure its perennial growth. RKGIT's alumni meet takes place every year wherein hundreds of alumni from across the country & globe come and witness the event dedicated to them every year.

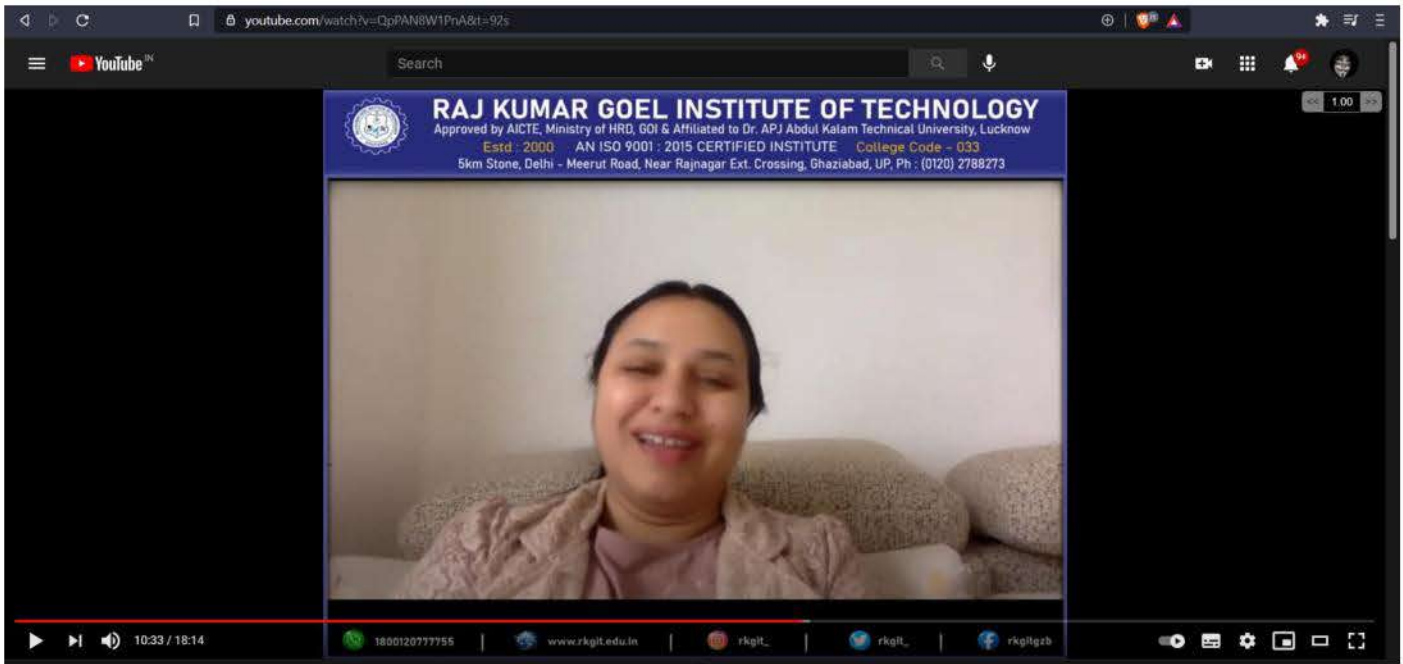


This year the event was conducted online due to covid pandemic & it took place on 30th January, 2021. More than 50 alumni across the world attended the event, some of whom also were accompanied by their families. The event commenced at 11.00 am with the welcome of the alumni and their families followed by fun filled talks.



The formal event began with the welcome speech and address by the director, Dr. D.R. Somshekher who took immense pride while welcoming the alumni. The speech by the dignitaries was followed by the enthralling performance of song by Ashish Pal. In the event alumni from more than 15 countries enjoyed their togetherness and remembered their college days. The alumni also shared their college life experience in which they expressed their deep feeling for their alma mater.





Finally, the event concluded with thanks giving speech of dignitaries which witnessed a beautiful communion of the past and the present as the students and the alumni enjoyed together.

The Global Alumni Meet was a massive success.

INTERNATIONAL TALK SERIES (TALK -1)

RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY, CHAZIABAD
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
INTERNATIONAL TALK SERIES
 (Jan 2021-March 2021)

TALK-1
SPEAKER
Prof. Pierluigi Siano
 Department of Management & Innovation Systems, University of Salerno, Italy

27th Jan 2021
 FROM 2:30 PM ONWARDS

TOPIC OF DISCUSSION
 Distributed Residential PV-Battery Systems in Smart Grids

FOR ALL ENGINEERING STUDENTS

Event Coordinators:
 Mr. Manish Gupta
 Ms. Nidhi Gupta

WoS 2019/20 Highly cited Researcher by ISI Web of Science

Scientific Director at **SMART Lab**
 Smart Grids and Smart Cities Research Laboratory

Department of Computer science and technology of RKGIT has always aims to provide best technical knowledge & to technically strengthen the students by integrating their skills in field of Computer Science, so as to cope up with the highly competitive environment.

For this, the Department organized an INTERNATIONAL TALK SERIES from January 2021 to March 2021 for all engineering students.

The First Talk, named TALK-1 was organized on 27th January 2021 from 2.30 PM onwards. The session was led by speaker Prof. Pierluigi Siano who is a Professor and Scientific Director of the Smart Grids and Smart Cities Laboratory with the Department of Management & Innovation Systems, University of Salerno.

RKGIT CSE

Sachi Gupta

psiano@unisa.it...

Participants (108)

Q. Find a participant

A Arun

DS Dr. Sachi

IA Imtiyaz ali

NK Nand Kishor Yadav

N Nidhi

PV Pooja Vajpayee

PB Pulkit B.

RG Rahul gusain

RS Rituraj Singh

SV Sakshi Varshney

ST Satyam Tiwari

SS Shivani Sami

Recording...

Procurement of Flexibility Resources in the Ancillary Services Market

Blockchain-based Cyber-Physical platform

Prosumers & Responsive Loads

User EMS

VPP Aggregator

DSO/TSO

Energy & Ancillary Services

Renewable Energy Plants

Electric Vehicles & Storage

User EMS

User EMS

User EMS

User EMS

User EMS

Energy

Communication

Blockchain Transaction

PERLUIGI SIANO

He received the M.Sc. degree in electronic engineering and the Ph.D. degree in information and electrical engineering from the University of Salerno, Salerno Italy in 2001 and 2006, respectively.

The motive of the talk was to discuss about distributed residential PV-battery system in Smart Grids. A Smart Grid is an electricity network enabling a two-way flow of electricity and data with digital communications technology to detect, react and pro-act to changes in usage and multiple issues. Smart Grids have self-healing capabilities and enable electricity customers to become active participants.

छात्रों को बताई पीवी बैटरी सिस्टम की कार्यक्षमता

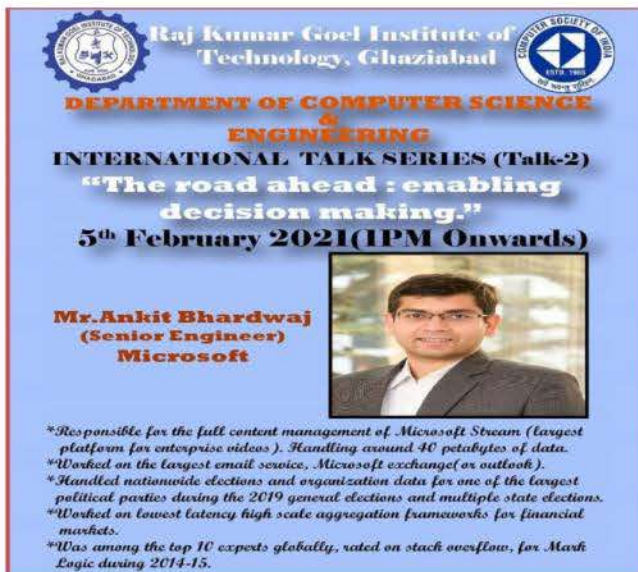
जासं, गाजियाबाद : आरकेजीआईटी के कंप्यूटर साइंस एंड इंजीनियरिंग विभाग द्वारा अंतरराष्ट्रीय वार्ता श्रंखला शुरू की गई है। इस सीरीज में पहले दिन इटली के वक्ता प्रोफेसर पियर्लुइगि सियानो ने छात्र-छात्राओं को आधुनिक युग में प्रयोग किए जाने वाले स्मार्ट ग्रिड द्वारा आवासीय पीवी बैटरी सिस्टम की कार्य क्षमता से अवगत कराया। इस

वार्ता में विभाग के 280 छात्र-छात्राओं ने अपनी उपस्थिति दर्ज कराई। कार्यक्रम का शुभारंभ विभागाध्यक्ष डॉ. साची गुप्ता द्वारा किया गया। वार्ता का संचालन प्रोफेसर छाया शर्मा ने किया। वार्ता के आयोजन में प्रोफेसर डॉ. ललित कुमार सारस्वत, प्रोफेसर निधि गुप्ता, प्रोफेसर मनीष गुप्ता, प्रोफेसर प्रवीण कुमार आदि मौजूद रहे।

In this session the speaker had explained the uses and benefits of distributed residential Photovoltaics-Battery system in smart grids. The distributed generation can benefit the environment if its use reduces the amount of electricity that must be generated at centralized power plants, distributed generation can also help in support delivery of clean, reliable power to additional customers and reduce electricity losses along transmission and distribution lines.

The talk ended successfully; participants learned many new things related to Smart Grid also enjoyed the session as well.

INTERNATIONAL TALK SERIES (TALK -2)



Raj Kumar Goel Institute of Technology, Ghaziabad

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

INTERNATIONAL TALK SERIES (Talk-2)

"The road ahead : enabling decision making."

5th February 2021 (1PM Onwards)

Mr. Ankit Bhardwaj
(Senior Engineer)
Microsoft

**Responsible for the full content management of Microsoft Stream (largest platform for enterprise videos). Handling around 40 petabytes of data.*

**Worked on the largest email service, Microsoft Exchange (or outlook).*

**Handled nationwide elections and organization data for one of the largest political parties during the 2019 general elections and multiple state elections.*

**Worked on lowest latency high scale aggregation frameworks for financial markets.*

**Was among the top 10 experts globally, rated on stack overflow, for Mark Logic during 2014-15.*

The Department of Computer Science and Engineering organized a virtual event INTERNATIONAL TALK-2 on 5th February 2021 from 1:00 PM Onwards named "The Road Ahead: Enabling Decision Making" for all engineering students. It was the second event of the INTERNATIONAL TALK SERIES.

The session was led by Speaker Mr. Ankit Bhardwaj who is a Senior Engineer at Microsoft & responsible for the full content management of Microsoft Stream (the largest video platform for enterprise videos). He had also worked on the largest email service, Microsoft Exchange and was among the top 10 experts globally rated on stack overflow for Mark Logic during 2014-15.

The event was streamed on the Zoom digital platform.

The motive of this talk was to make the audience realize the power of Decision-Making Skills. Good decision-making is key to companies and institutions running efficiently and overcoming unforeseeable obstacles. Any organization can improve the speed and quality of its decisions by paying more attention to what it's deciding.

The talk was quite successful as it helped the participants to understand the concept, different types & importance of decision making & the factors that they must know for making a good decision.

INTERNATIONAL TALK SERIES (TALK -3)

RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY
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Skn Stone, Delhi - Meerut Road, Near Rajnagar Ext. Crossing, Ghaziabad, UP, Ph. : (0120) 2788273

Department of Computer Science & Engineering
Is going to organise an
International Talk Series (Talk-3)
on
"Computer Vision"

Mr. Nitish Tyagi
Liferay Consultant at Infor, Sweden
• Liferay Consultant and Java professional.
• 9+ Years experience in software industry.
• Rich experience in Big Data using Hadoop, Apache Spark SQL, Spark MLlib, Scala, Java, Spark Streaming, DMS, S3 in AWS cloud

Meeting ID : 846 8687 9811
Passcode : T119cn
Date: 9th Feb 2021
Time: 11 AM onwards

Registration Link : <https://forms.gle/3AYGHpdWX37jUKHt9>

180012077755 | www.rkgit.edu.in | rkgit | rkgit | rkgit

An International Talk named Talk-3 was organized by the Department of Computer Science and Engineering on 9th February 2021 from 11:00 am onwards on "Computer Vision " for all engineering students. It was another episode in the series of events of INTERNATIONAL TALK.

The session was led by Speaker Mr. Nitish Tyagi who is a Liferay consultant & Java professional, he has 9+ Year experience in Software Industry and he has also rich experience in Big Data using Hadoop, Apache Spark SQL, Spark MLlib, Scala, Java, Streaming, DMS & S3 in AWS Cloud.

The talk was streamed on the Zoom digital platform.

आरकेजीआईटी में टॉक - 3 का आयोजन

हिन्द आत्मा संवाददाता

गाजियाबाद। आरकेजीआईटी के कंप्यूटर साइंस और इंजीनियरिंग विभाग द्वारा अंतरराष्ट्रीय टॉक सीरीज की टॉक-3 का आयोजन किया गया। इस सीरीज में मुख्य वक्ता नीतीश त्यागी स्वीडन से रहे। वक्ता द्वारा छात्र-छात्राओं को आधुनिक युग में मशीन लर्निंग और कंप्यूटर विज्ञान की विभिन्न एप्लिकेशन्स से अवगत कराया गया। इस वार्ता में विभाग के 217 छात्र-छात्राएं उपस्थित रहे। कार्यक्रम का आरंभ विभागाध्यक्ष डॉ साची गुप्ता द्वारा किया गया ' वार्ता का संचालन प्रोफेसर रिकी त्यागी ने किया।

Computer vision is a field of artificial intelligence that trains computers to interpret and understand the visual world. Using digital images from cameras, videos and deep learning models, machines can accurately identify and classify objects – and then react to what they “see.”

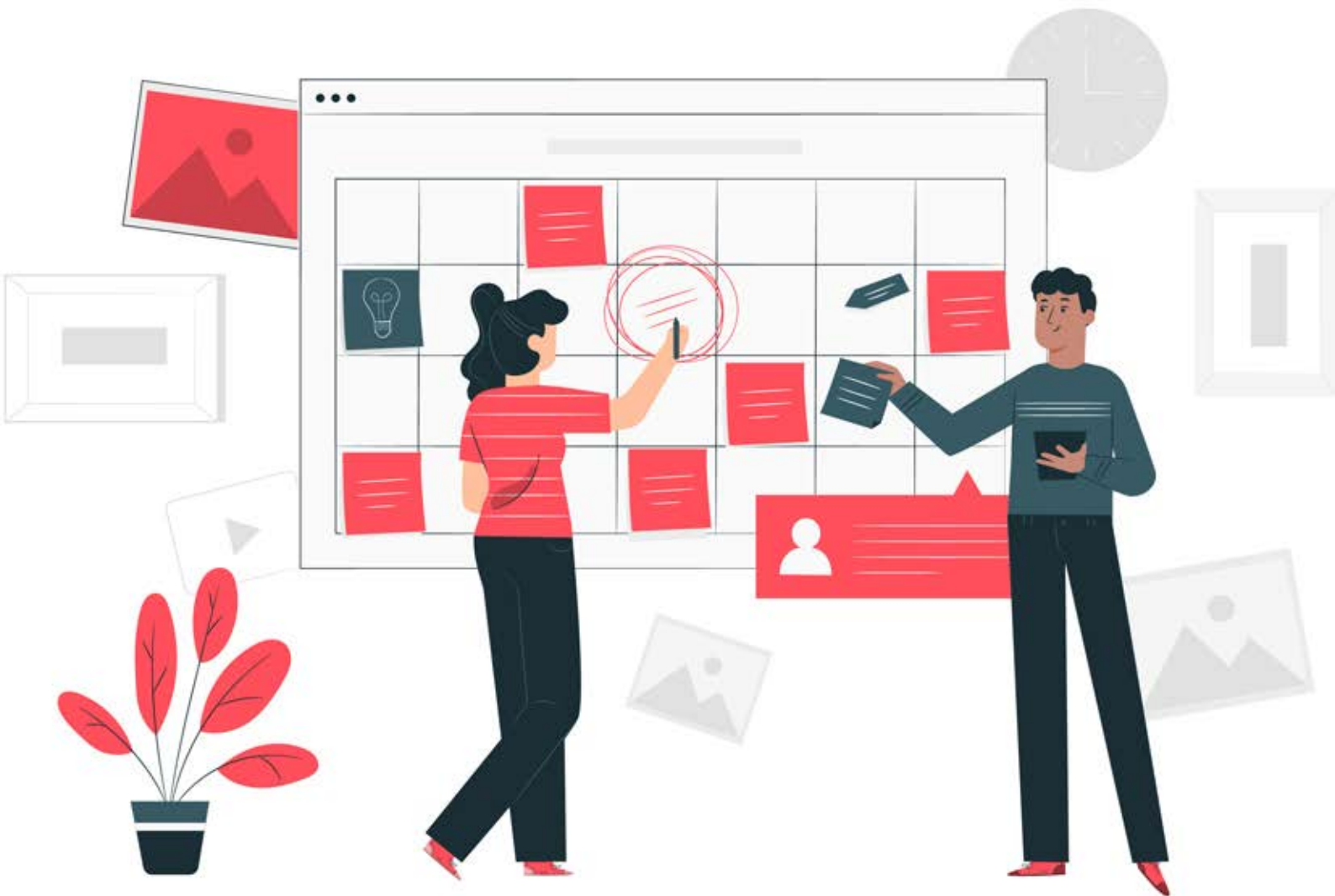
Objectives of this talk were: -

- To inform the participants about computer vision and its use-cases.
- Why is it hard for us humans to do computer vision?
- What are the different tasks in Computer Vision?
- Skills needed to be an AI/ML (Computer Vision) engineer.
- Various algorithms used in Computer Vision (mostly CNN).

The talk held successfully. Participants learned and understood the importance of Computer Vision in Artificial Intelligence



UPCOMING EVENTS



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

TechnoXian Edu Tech :-

“A Creative Platform For You To Learn, Explore And Share Your Knowledge On Robotics & Automation” 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 : 19 April 2021

Venue : INA Colony, Thayagaraj Road, New Delhi

Link : [TechnoXian](#)



ICCSDF:-

ICCSDF-2021 is an international conference that aims to bring together leading academic scientists, researchers, and Industrialists to exchange and share their experiences and research results in all aspects of Cyber Security and Digital Forensics. This conference was conceived after analyzing the increase in the prevalence of cybercrime attacks on business organizations, government infrastructures, and individuals. In fact, Cyber Security is becoming an increasingly central facet of national security strategy.

Date : 04-05 April 2021

Venue : Huda, Sector 23A, Near Rotary Public School, Cartarpuri Alias Daulatpur Nasirabad, Gurugram, Haryana 122017

Link : [ICCSDF-2021 – The Northcap University \(ncuindia.edu\)](https://www.ncuindia.edu/icc-sdf-2021)



ACHIEVEMENTS



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

Dr. Sachi Gupta, HOD-CSE, RKGIT has successfully completed the "Faculty Development Program on Machine Learning."



Dr. Sachi Gupta, HOD-CSE, RKGIT and **Mr. Gaurav Agarwal**, CSE Department, RKGIT have applied for a patent of their Invention "SMART DINING TABLE SPEECH EMOTION BASED FEEDBACK SYSTEM" in the field of Computer Science.

Application Details	
APPLICATION NUMBER	202111005627
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10-02-2021
APPLICANT NAME	1. Gaurav Agarwal 2. Dr. Hari Om 3. Dr. Sachi Gupta 4. Binu Dennis 5. Rajakumar B. R.
TITLE OF INVENTION	SMART DINING TABLE: SPEECH EMOTION BASED FEEDBACK SYSTEM
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	agarwal.agaurav13@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	gaurav13shaurya@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	24-02-2021
PUBLICATION DATE (U/S 11A)	12-02-2021

Dr. Amit Singhal, CSE, RKGIT have applied for a patent of their Invention "Vehicle Speeding Detection: Automatic Vehicle Speed Detection, Notification and Location Tracking Alert System" in the field of Electronics.

Application Details	
APPLICATION NUMBER	202011056490
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/12/2020
APPLICANT NAME	1. Sudeep Varshney (Assistant Professor) 2. Dr. Amit Singhal (Professor & Head- CSE (IOT)) 3. Gurnjan Varshney (Assistant Professor) 4. Vinish Kumar (Professor) 5. Dr. Arvind Kumar (Associate Professor) 6. Mr. Subhash Chandra Gupta (Assistant Professor) 7. Dr. Dileep Kumar Yadav (Associate Professor)
TITLE OF INVENTION	VEHICLE SPEEDING DETECTION: AUTOMATIC VEHICLE SPEED DETECTION, NOTIFICATION AND LOCATION TRACKING ALERT SYSTEM
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	sudeep149@gmail.com
ADDITIONAL E-MAIL (As Per Record)	amit1408@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	15/01/2021

Dr. Lalit Kumar Saraswat, CSE Department, RKGIT has successfully completed a course on "Introduction to Internet of Things."

Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
LALIT KUMAR SARASWAT
for successfully completing the course
Introduction to Internet of Things
with a consolidated score of **68** %

Online Assignments	21.47/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **4785**


Prof. G P Raja Sekhar
Dean, Continuing Education
IIT KharagpurSep-Dec 2020
(12 week course)
Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

 Indian Institute of Technology Kharagpur

Roll No: NPTEL20CS66S71460190To validate and check scores: <https://nptel.ac.in/noc>

Dr. Lalit Kumar Saraswat, CSE Department, RKGIT has attended a free webinar on "Criteria 3 – NBA Accreditation" organized by the InPods Ed-tech.



Dr. Lalit Kumar Saraswat, CSE Department, RKGIT has served as a reviewer for "Transaction on Emerging Telecommunications Technologies."



Mr. Gaurav Agarwal, CSE Department, RKGIT has successfully completed the "Faculty Development Program on Machine Learning."



Mr. Gaurav Agarwal, CSE Department, RKGIT has successfully completed the "Faculty Development Program on Machine Learning."



Mr. Gaurav Agarwal, CSE Department, RKGIT has successfully completed a course on "Programming Fundamentals " from Duke University through an Online E learning Platform Coursera.



Mr. Gaurav Agarwal, CSE Department, RKGIT has successfully completed a course on "Writing, Running, Fixing Codes in C" from Duke University through an Online E learning Platform Coursera.



Mr. Gaurav Agarwal, CSE Department, RKGIT has successfully completed a course on "Pointers, Arrays, and Recursion" from Duke University through an Online E learning Platform Coursera.



Mr. Gaurav Agarwal, CSE Department, RKGIT has successfully completed the "Faculty Development Program on Machine Learning."



Mr. Madhup Agarwal, CSE Department, RKGIT has participated and successfully completed AICTE Sponsored Six Days Online Short Term Training Program on "Research Confront and Document Typesetting using LaTeX:202X" organized by ABESIT, Ghaziabad.



Ms. Pooja Vajpayee, CSE Department, RKGIT has participated and completed AICTE Training and Learning (ATAL) Academy Online FDP on "Photography" at Dayalbhag Educational Institute.



Ms. Pooja Vajpayee, CSE Department, RKGIT has participated and completed AICTE Training and Learning (ATAL) Academy Online FDP on "AI Applications" at Government Engineering College Bhuj.



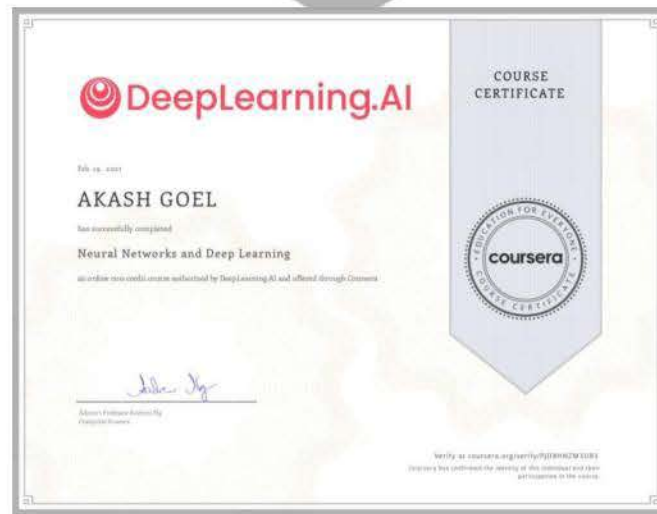
Mr. Prince Gupta, CSE Department, RKGIT has successfully completed a course on "Programming Fundamentals" from Duke University through an Online E learning Platform Coursera.



Mr. Prince Gupta, CSE Department, RKGIT has participated in a Five Days online Faculty Development Program on "Internet of Things & Machine Learning" organized by IPEC, Ghaziabad.



Mr. Akash Goel, CSE Department, RKGIT has successfully completed a course on "Neural Networks and Deep Learning" through an Online E learning Platform Coursera.



Mr. Akash Goel, CSE Department, RKGIT has successfully completed the "Faculty Development Program on Cyber Security."



Ms. Rinki Tyagi, CSE Department, RKGIT has participated and completed AICTE Training and Learning (ATAL) Academy Online FDP on "AI Applications" at Government Engineering College Bhuj.



Ms. Rinki Tyagi, CSE Department, RKGIT has successfully completed one week course on “Digital Teaching Techniques” organized by ICT Academy.



Mr. Vineet Shrivastava, CSE Department, RKGIT has participated and completed AICTE Training and Learning (ATAL) Academy Online FDP on “AI-Machine Learning & Optimization” from IIT, Allahabad.



Mr. Vineet Shrivastava, CSE Department, RKGIT has applied for a patent of their Invention "A Process for Improving the Trustworthiness of Mobile Crowd Sensing Data Collection" in the field of Computer Science.



Ms. Nidhi Gupta, CSE Department, RKGIT has participated in a Five Days online Faculty Development Program on "Internet of Things & Machine Learning" organized by IPEC, Ghaziabad.



Ms. Nidhi Gupta, CSE Department, RKGIT has successfully completed a course on "Programming Fundamentals" from Duke University through an Online E learning Platform Coursera.



Ms. Nidhi Gupta, CSE Department, RKGIT has successfully completed a course on "Pointers, Arrays, and Recursion" from Duke University through an Online E learning Platform Coursera.



Ms. Nidhi Gupta, CSE Department, RKGIT has successfully completed a course on "Writing, Running, Fixing Codes in C" from Duke University through an Online E learning Platform Coursera.



Mr. Ramveer Singh, CSE Department, RKGIT has participated and successfully completed Five Days Online Faculty Development Program on "Machine Learning" organized by ABESIT, Ghaziabad.



Ms. Neetu Bansal, CSE Department, RKGIT has successfully completed one week course on “Digital Teaching Techniques” organized by ICT Academy.



Ms. Neha, CSE Department, RKGIT has successfully completed the “Faculty Development Program on Cyber Security.”



Ms. Neha, CSE Department, RKGIT has successfully completed the “Faculty Development Program on Python.”



Mr. Tarun Aggarwal, CSE Department, RKGIT has participated in a Five Days online Faculty Development Program on “Internet of Things & Machine Learning” organized by IPEC, Ghaziabad.



Ms. Anjali Yadav, CSE Department, RKGIT has attended the "Academia- Corporate Leadership Talk Series-1."



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 ”**



The flower that follows the sun does so even in cloudy days.



Some old fashioned things like fresh air and sunshine are hard to beat.



The darkest hours are just before dawn.



Don't let the fear of striking out hold you back.

By-

Tarachand Verma

Assistant Professor, CSE

STUDENT'S CORNER



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

The doorstep to the temple of wisdom is
a knowledge of our own ignorance.



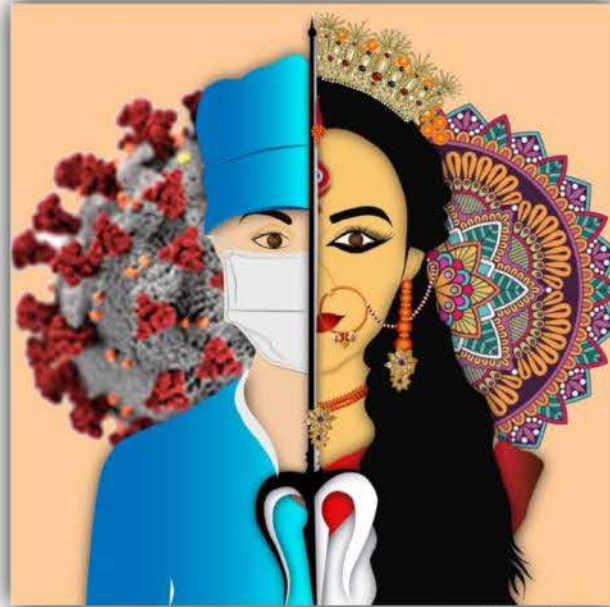
Pradumn Singh
2nd year, Sec- D

Sky above, sand below,
peace within.



Rakshit Kumar
2nd year, Sec-D

Never give up on Corona
Until you win it over.



Vanshi

Vanshi Tiwari
3rd year, Sec - 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 ”

Levi's Commuter Jacket

We are living in a world where everything is getting smart with the use of technology whether it is T.V or phones or any other device, even nowadays every small device is getting smart with the help of technology. If everything is getting smarter in this world then why should the clothes industry remains behind?



The concept of computerized clothing may sound like a scheme from a science fiction film, but Google and Levi's collaboration has made it, into a reality. They developed a denim jacket with some serious smart features. It has been marketed towards cyclists that struggle with reaching for their phones while biking. The jacket includes Google's Jacquard technology and also includes a removable module attached to the sleeve that includes all of its electronic components. In this jacket wearers find the directions and control music playback by tapping their sleeves.

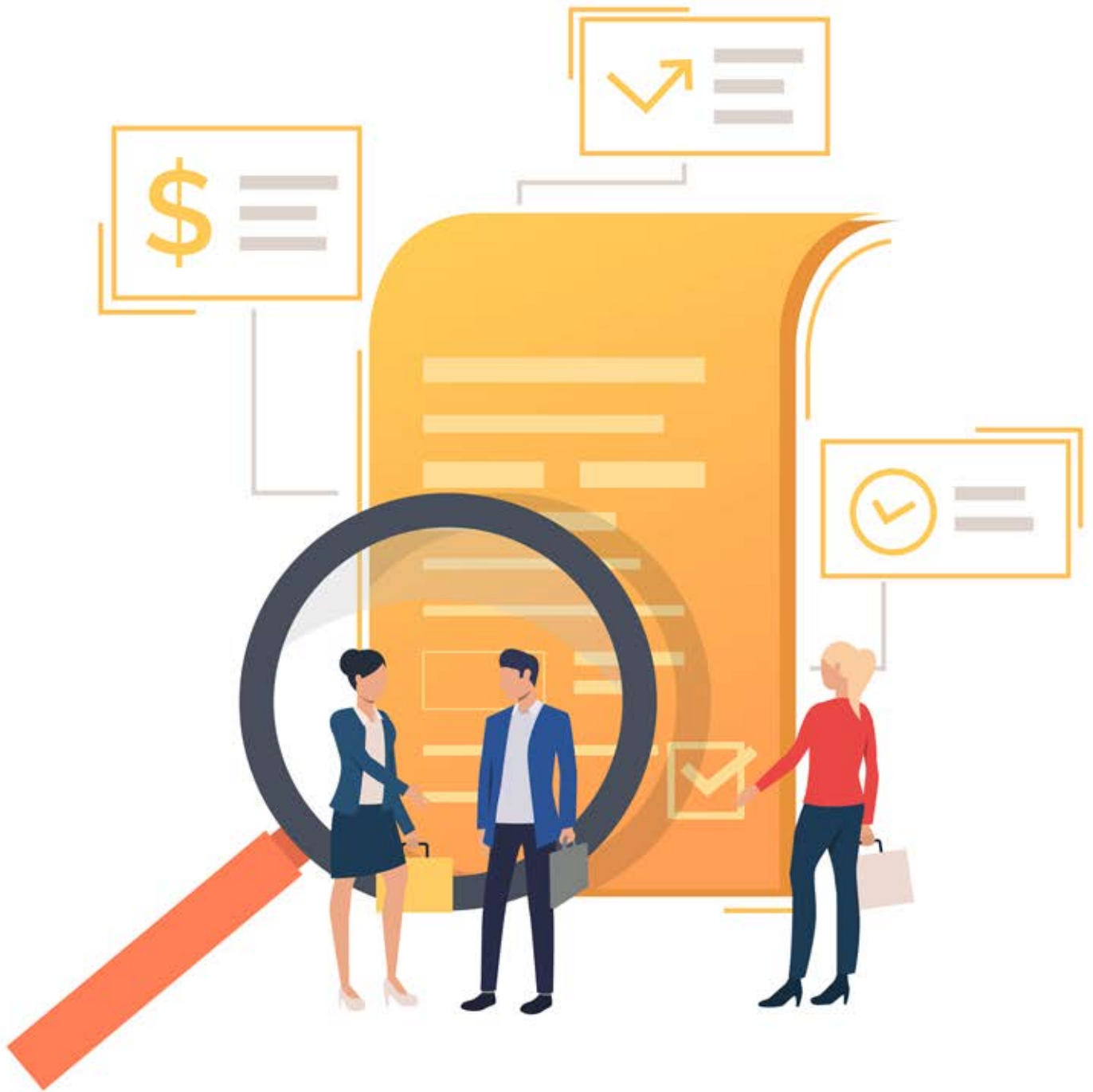
NEWPIPE APP

New pipe is a front-end app for YouTube. It basically means that you can use this app to watch YouTube videos. But if we can watch videos directly from YouTube then why we should use this app?

The answer is, New pipe is not only used for watching video but it can also be used to download videos and we can even download them in mp3 format which is just audio. It supports native playback control and can even play a YouTube videos in MX player or any other video Playing app. It works really well and it is also a user-friendly app.



INTERNSHIPS



“ Study what you love and intern in what you want to do ”

Java Development Internship in Multiple locations at Spice Money

Chandigarh, Delhi, Gurgaon, Pune, Bangalore, Mohali, Mumbai, Noida

Starts immediately

3 Months

15000 /month

27 Apr' 21

The hiring for this internship will be online and the company will provide work from home/ deferred joining till current COVID-19 situation improves

26 applicants



Skill(s) required

Java Angular JS

Spring MVC

ReactJS

Vue Js

Who can apply

Only those candidates can apply who:

1. are available for full time (in-office) internship
2. can start the internship between 24th Mar'21 and 28th Apr'21
3. are available for duration of 3 months
4. have relevant skills and interests

Perks

Certificate

Letter of recommendation

5 days a week

Number of openings

3

Link:- <https://internshala.com/internship/detail/java-development-internship-in-multiple-locations-at-spice-money1616578937>

Web Development part time job/internship at Delhi in SSRA CONSULTINGS PRIVATE LIMITED

Delhi

Starts immediately

3 Months

10000 /month

27 Apr' 21

Part time allowed

The hiring for this internship will be online and the company will provide work from home/ deferred joining till current COVID-19 situation improves

Skill(s) required

PHP MySQL LARAVEL

Who can apply

Only those candidates can apply who:

1. are available for the part time job/internship
2. can start the part time job/internship between 24th Mar'21 and 28th Apr'21
3. are available for duration of 3 months
4. are from Delhi and neighboring cities
5. have relevant skills and interests

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

Perks

Certificate

Letter of recommendation

Flexible work hours

Informal dress code

5 days a week

Free snacks & beverages

Number of openings

2

Link:- <https://internshala.com/internship/detail/web-development-part-time-job-internship-at-delhi-in-ssra-consultings-private-limited1616591963>

PLACEMENT



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

Result of recruitment Drive of Ajath Infotech, ANR Software, Coforge Limited, Darwinbox Digital Solutions Pvt. Ltd., Ginger Webs Pvt. Ltd., Mobiloitte, Taazaa, and Nagarro. We all congratulate following students who were placed in the month of January-February :-

S No.	Roll No.	Student Name	branch	Shift	company	College
1.	1703310110	Manvi Garg	CSE	1 st Shift	Ajath Infotech	RKGIT
2.	1703310001	Aaftab	CSE	2 nd Shift	ANR Software	RKGIT
3.	1703310002	Aakash Mishra	CSE	1 st Shift	Coforge Limited	RKGIT
4.	1703310044	Ankur Singh	CSE	2 nd Shift	Coforge Limited	RKGIT
5.	1703310172	Sandeep Kumar Agnihotri	CSE	1 st Shift	Coforge Limited	RKGIT
6.	1703310075	Dikshant Awasthi	CSE	2 nd Shift	Coforge Limited	RKGIT
7.	1703310046	Anshu Rani	CSE	1 st Shift	Darwinbox Digital Solutions Pvt. Ltd.	RKGIT
8.	1703310181	Shailesh Sharma	CSE	1 st Shift	Ginger Webs Pvt. Ltd.	RKGIT
9.	1703310125	Nitesh Pandey	CSE	1 st Shift	Ginger Webs Pvt. Ltd.	RKGIT
10.	1703310194	Shreya Paliwal	CSE	2 nd Shift	Ginger Webs Pvt. Ltd.	RKGIT

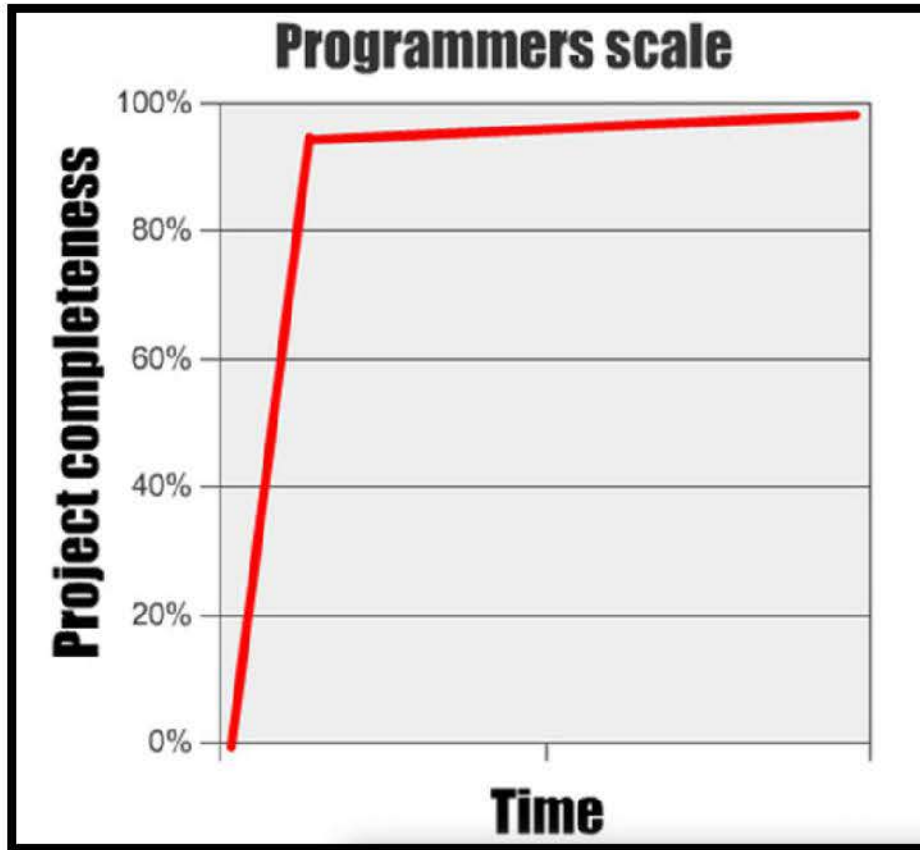
S. No.	Roll No.	Student Name	Branch	Shift	Company	College
11.	1703310157	Rishabh Kumar	CSE	1 st shift	Hashstudios Technologies	RKGIT
12.	1703310219	Tarun Jamloki	CSE	1 st Shift	Hashstudios Technologies	RKGIT
13.	1703310132	Prajawal Verma	CSE	2 nd shift	Mobiloitte	RKGIT
14.	1703310125	Nitesh Pandey	CSE	1 st shift	Mobiloitte	RKGIT
15.	1703310187	Shikhar Mishra	CSE	2 nd Shift	Mobiloitte	RKGIT
16.	1703310113	Monika Jaiswal	CSE	2 nd Shift	Mobiloitte	RKGIT
17.	1703310040	Ankit Bhardwaj	CSE	1 st Shift	Mobiloitte	RKGIT
18.	1703310042	Ankita Mishra	CSE	2 nd Shift	Mobiloitte	RKGIT
19.	1703310198	Shruti Verma	CSE	1 st Shift	Mobiloitte	RKGIT
20.	1703310033	Aman Kumar Maurya	CSE	2 nd Shift	Mobiloitte	RKGIT
21.	1703310234	Vikas Kumar Singh	CSE	1 st Shift	Mobiloitte	RKGIT
22.	1703310086	Harshit Varshney	CSE	1 st Shift	Taazaa	RKGIT

S. No.	Roll No.	Student Name	Branch	Shift	Company	College
23.	1703310131	Pragya Pandey	CSE	1 st shift	Taazaa	RKGIT
24.	1733310039	Nishant Panwar	CSE		Ameyo	RKGITM
25.	1733310056	Rudraksh	CSE		ANR Software	RKGITM
26.	1733310082	Yash Mishra	CSE		ANR Software	RKGITM
27.	1733310081	Vipin Kumar	CSE		Ginger Webs Pvt. Ltd.	RKGITM
28.	1733310001	Aarushi Sharma	CSE		Mobiloitte	RKGITM
29.	1733310008	Abhishek Kumar Singh	CSE		Mobiloitte	RKGITM
30.	1733310076	Tushar Garg	CSE		Mobiloitte	RKGITM
31.	1733310026	Hritik Bhardwaj	CSE		Mobiloitte	RKGITM
32.	1733310037	Mohit Kumar	CSE		Mobiloitte	RKGITM
33.	1733310038	Mudit Jain	CSE		Nagarro	RKGITM

FUN SECTION



“ PLAY is our brain's favourite way of learning. ”



Untitled
Stall door feature set 3.6.4.1b (Magic_Door) has
been installed on stall #3.

Known Issues: If door installed on stall #4 is
opened, the door of stall #3 will open
automatically. This feature will be corrected
in a future release pending development review.

When your Program's a mess
but everything works out
in the end





SCAN ME





BYTES
NOT JUST ONES
AND ZEROS



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BYTES

VOLUME:9 ISSUE:4
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2020-2021

FOR ANY SUGGESTIONS PLEASE CONTACT US AT:



Bytescse@rkgit.edu.in

