



RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY



DARPAN

E-NEWSLETTER (JUL-DEC 24)

DEPARTMENT OF APPLIED SCIENCES & HUMANITIES

Vol 5, Issue 2

TEAM

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DR SHILPI GUPTA
DR SHWETA SHARMA

STUDENT INDUCTION PROGRAM

Student Induction Program (SIP) was conducted for B.Tech 1st year students as per the guidelines of AICTE from 4 Sep 2024 onwards. The main objective of the Student Induction Program(SIP) is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration. During the Induction program, various activities were conducted, viz. Yoga, light exercise, a local visit to nearby places, extempore competitions, Yantrikom Society activities, etc.

The B.Tech First-Year Induction Program organized by the Applied Sciences & Humanities Department proved instrumental in facilitating a smooth transition for incoming students. The program featured a mix of engaging activities, starting with the registration and ice-breaking session, fostering a sense of community. A campus tour and interactive sessions with faculty provided essential insights into college life and the importance of Applied Sciences and humanities in engineering education.

The academic orientation included various subject classes, preparing students for their educational journey. Alumni interaction, Python classes and the Extempore competition added both technical and communication dimensions to the program. Overall, the induction program successfully achieved its goals, creating a positive and inclusive atmosphere for the new cohort, fostering connections, and laying a strong foundation for academic success.



CONGRATULATIONS!

Congratulations to the recipient for receiving a certificate of appreciation on Innovation Day for their research.



Dr Vikas Katoch



Dr Shalini Gupta



Dr Anupam Sharma



Dr Neena Sharma

CONGRATULATIONS!

"What a journey it's been! Congratulations on earning your PhD....."



Dr Vishal Gupta

Topic: Thermal stability analysis and neural network prediction in Rayleigh Benard nanofluid problems



Dr Surbhi Agarwal

Topic: Development and Characterization of Selenium-bases Chalcogenide Glasses for Phase Change Memory (PCM) Devices



Dr. Rahul

Topic: Studies of Fixed Point Theory and Its Application to Functional Equations

Dr Rajesh Mishra participated in the Offline Faculty Development Program on "AI-driven Technology in VLSI Design for IoT Applications" organized by the Department of Electronics and communications RKGIT, Ghaziabad from 30th Dec 2024 to 6th Jan _2025.

Dr. Sanjeev Goyal attended the AICTE recognized and sponsored by NITTTR Chandigarh one week FDP on "Preparing Students for Placements and Higher Studies" held at RKGIT, Ghaziabad in online mode from 05th August to 09th August 2024.

Dr. Sanjeev Goyal successfully completed the 5 days FDP on "Entrepreneurship and Start-up Development" held at RKGIT, Ghaziabad from 2 nd September to 6th September 2024.

Dr. Sanjeev Goyal attended the AICTE recognized and sponsored by NITTTR Chandigarh one week FDP on "Enhancing Research Capabilities for Academic Career Progression" held at RKGIT, Ghaziabad in online mode from 23rd September to 27th September 2024.

Dr Neena Sharma Participated in the Online National Faculty Development Program on "The Science of Human Communication" organized by Gokul Global University, Siddhpur, Gujarat in collaboration with Nucleus of Learning and Development(NLD) from 25th Sep 2024 to 1st Oct 2024.

Dr Neena Sharma Participated in the Online National Faculty Development Program on "Fantasy Literature: An Adventure to the Fantasy World of the Shadowhunters and the Allomancers" organized by Gokul Global University, Siddhpur, Gujarat in collaboration with Nucleus of Learning and Development(NLD) from 19th August 2024 to 25th August 2024.

Dr Ritu Sharma Participated in the Online National Faculty Development Program on "Study Of Theology and Aesthetics in Literature" organized by Gokul Global University, Siddhpur, Gujarat in collaboration with Nucleus of Learning and Development(NLD) from 14th Oct 2024 to 24th Oct 2024.

Dr Ritu Sharma Participated in the Online National Faculty Development Program on "Fantasy Literature: An Adventure to the Fantasy World of the Shadowhunters and the Allomancers" organized by Gokul Global University, Siddhpur, Gujarat in collaboration with Nucleus of Learning and Development(NLD) from 19th August 2024 to 25th August 2024.

Dr Ritu Sharma Participated in the Online National Faculty Development Program on "Body Language: Key to Professional Success " organized by NPTEL from August 2024 to September 2024.

Dr Shweta Sharma attended a one-day workshop on "Youth In English Writing "Organized by GDMPG College on 21 December 2024.

Dr Shweta Sharma attended the Online International Faculty Development Program on "Study On Theology and Aesthetics in Literature " organized by Gokul Global University Gujarat_ from 14 October 2024 to 20 October 2024.

Dr. Garima Garg successfully completed Bootcamp for FDP on “Big Data & Data Science” conducted by C-DAC, NOIDA in association with RKGIT held during 09/09/2024 to 13/09/2024 as part of FutureSkills PRIME Project.

Dr. Garima Garg participated in One week Online National Level Faculty Development Program on “Empowering Educators: Innovative Teaching Strategies for The Digital Classroom” organized by Gokul University, Siddhpur, Gujarat in collaboration with Nucleus of Learning and Development (NLD) from 16 to 22 September 2024.

Dr. Garima Garg participated in One week Online National Level Faculty Development Program on “Unspoken Impact: Unlocking the Power of Non-Verbal Communication” organized by Gokul University, Siddhpur, Gujarat in collaboration with Nucleus of Learning and Development (NLD) from 16 to 22 October 2024.

Dr. Vineeta Singh successfully completed Bootcamp for FDP on “Big Data & Data Science” conducted by C-DAC, NOIDA in association with RKGIT held during 09/09/2024 to 13/09/2024 as part of FutureSkills PRIME Project.

Dr. Vineeta Singh participated in One week Online National Level Faculty Development Program on “Empowering Educators: Innovative Teaching Strategies for The Digital Classroom” organized by Gokul University, Siddhpur, Gujarat in collaboration with Nucleus of Learning and Development (NLD) from 16 to 22 September 2024.

Dr. Vineeta Singh participated in One week Online National Level Faculty Development Program on “Unspoken Impact: Unlocking the Power of Non-Verbal Communication” organized by Gokul University, Siddhpur, Gujarat in collaboration with Nucleus of Learning and Development (NLD) from 16 to 22 October 2024.

Dr. Shalini Gupta has attended the Five days online Faculty Development Program on “Latex” held on 9th, 23rd, 30th November & 7th, 14th December 2024, Organized by Meerut Institute of Engineering and Technology, Meerut.

Dr. Shalini Gupta has attended the One-week Faculty Development Program on “AI Driven Technology in VLSI Design for IOT Applications” held from 30th December 2024 to 6th January 2025, organized by Department of ECE at Raj Kumar Goel Institute of Technology, Ghaziabad.

Dr. Shalini Gupta has attended the international Symposium on “Recent Trends of Applied Mathematics in Science and Engineering” held on 22nd November 2024, Organized by ABES Engineering College, Ghaziabad, India.

CONFERENCE

Dr. Sanjeev Goyal contributed in organizing the 1st International Conference on "Advanced Computing & Emerging Technologies (ACET)" held at Ajay Kumar Garg Engineering College, Ghaziabad on 23-24 August, 2024.

Dr. Sanjeev Goyal contributed as Chairing the Session in the 4th International Conference on "Advancement in Electronics & Communication Engineering (sponsored by IEEE) held on 22-23 November 2024.

NPTEL CERTIFICATION

Dr Neena Sharma completed "Body Language: Key to Professional Success" an online course authorized by NPTEL AICTE in Aug-Sep 2024.

Dr Ritu Sharma completed "Body Language: Key to Professional Success" an online course authorized by NPTEL AICTE in Aug-Sep 2024.

Dr Shweta Sharma completed "Body Language: Key to Professional Success" an online course authorized by NPTEL AICTE in Aug-Sep 2024.

Dr Rajesh Sharma completed "Body Language: Key to Professional Success" an online course authorized by NPTEL AICTE in Aug-Sep 2024.

Dr Shilpi Gupta completed "Body Language: Key to Professional Success" an online course authorized by NPTEL AICTE in Aug-Sep 2024.

BOOK / PAPER PUBLICATION

Dr Neena Sharma authored a book titled " Personality Development - Communication and Soft Skills" with A G Publishing House , India ISBN : 978-81-983155-6-4

Dr Ritu Sharma published a paper entitled" Enhancing English Language Acquisition Through Virtual Labs : An Exploratory Study" Journal, Volume 44(2024), Issue, July, ISSN number Print 09701052; Online 2320317X

Mr Lokesh Sharma published a paper entitled " Nonlinear Excitation of Terahertz Surface Plasmons in Gold Nano Film by an Optical Mixing of Two Laser Beams Volume 19, Issue 6, ISSN 1557-1963.

Dr. Shalini Gupta has presented the paper titled "Optimization of Transportation Cost by using Graph Theory" 4th International Conference on Soft Computing & Mathematical Modeling (ICSCMM-24). Date of conference 21-22th December, 2024 organized by the Department of Applied Sciences in collaboration with ISTE Faculty and Student Chapter ,KIET, Ghaziabad

Dr Rahul published a paper entitled " Applications of measure of noncompactness for solvability of Hadamard fractional integral equations "in the journal Computational and Applied Mathematics ISSN-<https://doi.org/10.1007/s40314-024-03005-w>

"IGNITING SPARKS: FRESHER'S FIESTA SPARKS CAMPUS MAGIC!"

Vol. 05

RKGIT organized a Freshers' Party "Aarambh 2024" on 28th Sep 2024 to welcome the Batch of 2024. The purpose of the Freshers Party was to make every new student feel connected as an integral part of the RKGIT family and be ready to take on the challenges of the year ahead. Jovial smiles and high spirits marked the welcome party for the new students. The party was organized at the basketball ground. It manifested youth and enthusiasm at its best. As a trend of the institute, the party began with the auspicious lamp-lighting ceremony and prayers to Goddess Saraswati. The occasion was graced by the presence of Mr. Akshat Goel Vice Chairman, RKG Group of Institutions, Dr. Laxman Prasad, advisor RKG Group of Institutions, Dr. D.K Chauhan, Executive Director RKG Group of Institutions, Dr R.K Yadav, Dean academics, Shri H.G Garg (DSW) , All HODs and faculty members.

Pulsating ambiance, flashing lights, and foot-tapping music set the mood of the party right. The excitement augmented to a joyful high as performances graced the stage. The mercury began to rise, the dance floor was left open for some unbridled energy. Joy and happiness could be seen among students of every course at the college. Freshers' party is all about creating everlasting relationships with each other. The event is an indication of union among the students.

Finally, the vote of thanks was given by Ms. Priya Sharma,, Convener, Cultural Council. The entire event was covered by the Photoholics team with their excellent photography skills.

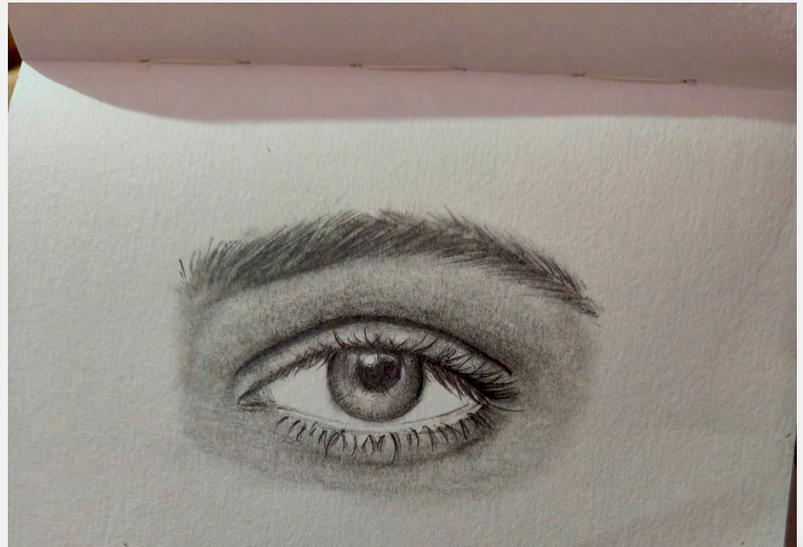
"The magic in the air tuned into the chords of pulsating rhythmic hearts and created bonds for the years that lay ahead."



Issue 2

Vol. 05

STUDENT CORNER



Abhi Singh
Branch - IT Sec-V
B.Tech 1st Year 2024-25

STUDENT CORNER

INDIA'S TECH REVOLUTION : FUELLING GROWTH & TRANSFORMATION

A NEW ERA UNFOLDS

As the world's fastest-growing and one of the world's major economy, India is on the verge of becoming a global tech powerhouse. With a vast, young population and an unquenchable hunger for innovation, becoming a global tech powerhouse won't be a farther achievement. With startups and entrepreneurs, India's tech industry will be propelled to an unimagined growth rate.

Digital world, more commonly the social networking world is a way bigger platform that can even affect a country's growth and development by either sky rocketing its growth or by hitting the rock bottom. Similarly, tech industry being on a vast scale can create a huge impact on the nation's growth and development.

BUT, what does this mean for India's future? How will the country's tech innovation and development impact its economy, society and even politics? **AND** what are the challenges that lie ahead?

THE REVOLUTION BEGINS

Social Media, Internet, Connectivity are all these words that requires no introduction at the present times. A platform where each one of us is free to connect, convey our messages and thoughts, share our life lessons and portray our emotions. **BUT** the question is how something like this, can be related to a country's economic growth? Well, indeed it is. It plays a very crucial role for a country's economic growth.

INDIA is at the cusp of a technological revolution that promises to transform the country's economy and here's how.

We all use apps as we all use internet and social media. The most commonly used are:-

1. WhatsApp – MESSAGING
2. Instagram, Facebook – SOCIAL NETWORKING
3. Google Chrome – INTERNET BROWSING
4. YouTube, Netflix – VIDEO SURFING

And many more.

These mentioned applications are frequently used all around the world with Indians being the most users of these apps

But have you ever thought who owns These Applications? Who gets the profits from these apps? And even if you do think about them, the numbers of profit is way more than one can imagine.

America is one of the nations that is leading its industry.

Even all the abovementioned apps are mostly or totally American based. This is the reason why the tech industry has contributed about 8.9% to the US economy in FY 2023-24, which is almost \$2 trillion and this is relatively increasing each financial quarter.

Another name that shines with the Tech industry is China, with an estimate of staggering 43% of China's GDP comes from the tech and Digital economy.

But why is this not a case with India?

Well, we Indians are more inclined to the applications that are foreign based and we repeatedly shares our data with them also.

Why? Are there no Indian based alternatives for these?

STUDENT CORNER

The term alternative should not be used for the Indian based apps but for the Foreign based apps. This thinking will itself promote the Idea of using Indian made apps for example:-

1.JioChat – MESSAGING

2.Qmamu , Guruji.com – SEARCH ENGINES

3.JioBrowser – BROWSING

And so on.

If these apps are frequently used as those foreign based apps, our tech industry will also be sky rocketing the growth rate.

TRANSFORMING THE NATION

Since technology has power to transform nations, and India is no exception. Now, from rural villages to urban metropolises, technology is changing the way Indians Live, work and interact. As India's tech revolution gains momentum as soon as we shift more towards the made in India apps. It's time to now explore the opportunities, challenges and implications of this transformative journey. NOW even any of us, who has knowledge about developing the apps or any other things related to the technological field can start their own initiatives for the betterment of our motherland's economy and future

SOLUTION

The government's flagship initiatives, such as Digital India and Make in India, are catalysing this transformation.

By promoting digital development, improving infrastructures, and fostering a culture of innovation, India is creating an ecosystem that supports the growth of homegrown and upcoming tech giants AND YOU CAN BE ONE OF THEM.

Sources:

Reports of FY 23 & 24 of USA, CHINA & INDIA.

Wikipedia.

News articles.

A



Abhi Singh

Branch - IOT Sec-C
B.Tech 1st Year 2024-25

STUDENT CORNER

There is lot of pollution I can't see them in the sky
 When they were with me I am not that much curious don't know why
 Why we realize the real value of a person after they gone
 When they are with us we have nothing to shown

But these thoughts increase my pain
 The pain of separation from the greatest thing I gain
 Those were my parents who now only exists in my poems I write
 Those people I think of every day and night

Mourners showed sympathy and went there home
 And I was feeling like a plant without its loam
 It is like I am in distant
 Everything were crashed in my brain at that instant

It is difficult to find those words that express how I feel
 There is something compressed in me like a hidden squeal
 I always feel something missing while entering in my home
 Now the juicy layering is vanished from a pome

I am an average student but always tried to do my best
 But now there is no one who will appreciate my regular test
 There is no medicine that can make me cure
 That one incident made me mature
 I can't forgot those beautiful memories with them I miss
 The more I write the less it is
 Our family photo still hangs the same
 But I am feeling like out of the frame

But I can't quit
 I have to deal with it
 If you people still watching me then don't worry at all
 I remember all those promises and my goal

Parents work for their children as a farmer for its grain
 And if heaven really exists I will meet them there again.



Vivek Chauhan
 Branch - CS Sec-Q
 B.Tech 1st Year 2024-25

STUDENT CORNER

Fundamental Etiquettes

Neither days are bright, nor are nights dark,
It's your attitude that makes you bark.
A track on words is must,
Else your personality is none less than a dust.

Optimistic behaviour acts like a magnet,
For you which is definitely an asset.
The Greater your voice is in control,
Higher are the possibilities for you to enroll.

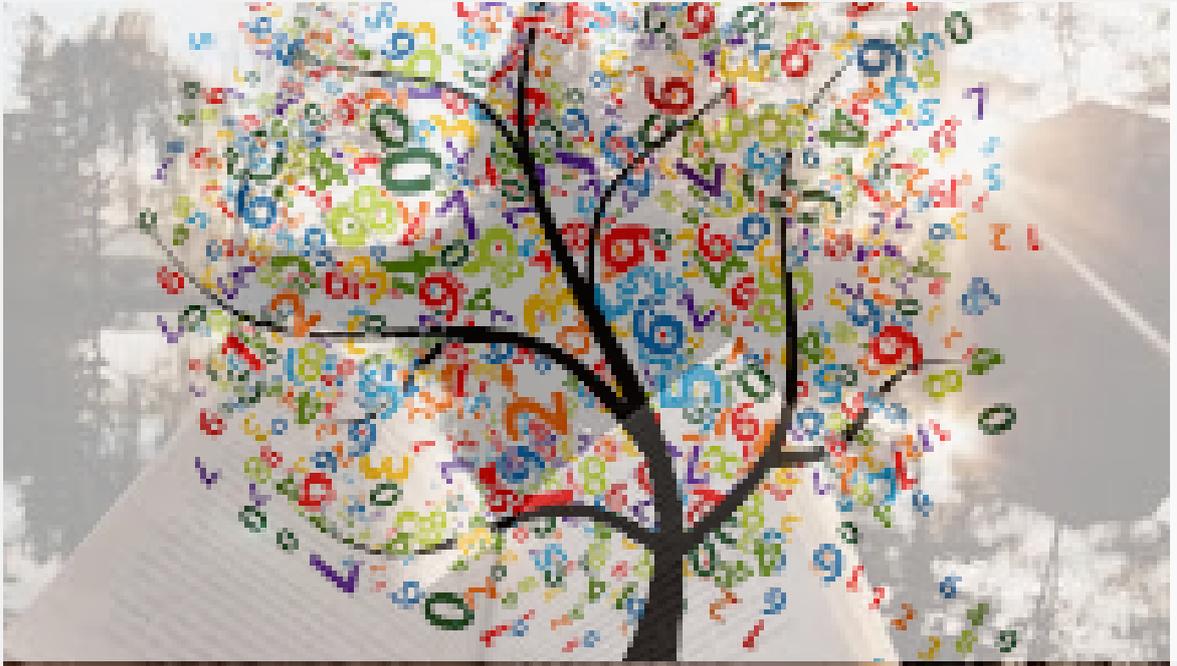
Headquarter is the brain,
Which needs to be well trained.
For your image to get dignified,
Just keep a soul that is simplified.

Never try to carry proud,
There exists a huge crows.
Keep your thoughts simple,
Adding a slight dimple.

To be friendly is a good habit,
Else doors of hatred are just far a bit.
Neither days are bright nor are night dark,
It's your attitude that makes you bark..



Poorva Bisen
Branch - IOT Sec-B
B.Tech 1st Year 2024-25



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FOR ANY SUGGESTIONS PLEASE CONTACT US AT:

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