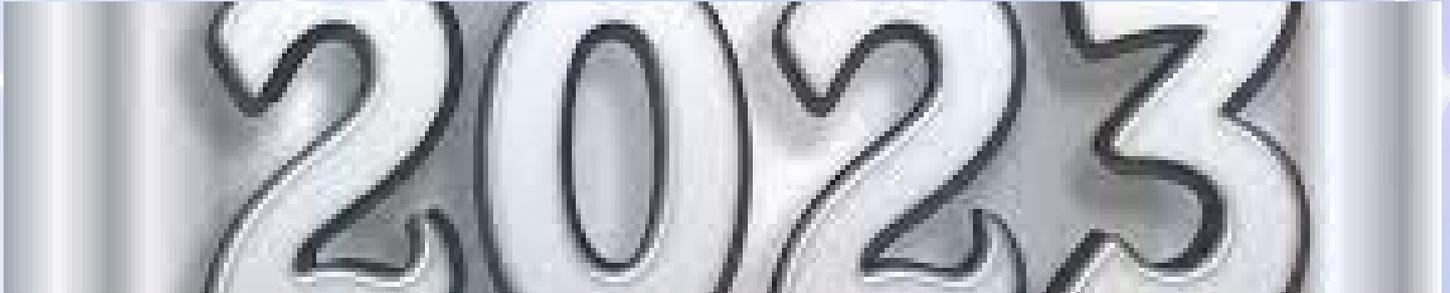




RKGIT DARPAN

E-NEWSLETTER OF APPLIED SCIENCES & HUMANITIES



WISHES FROM VICE CHAIRMAN



SHRI AKSHAT GOEL
VICE CHAIRMAN
RKG GROUP

New is the year, new are the hopes, new is the resolution, new are the spirits, and new are my warm wishes for you. As you pursue your hopes and dreams, may this year bring you much success and may your journey be wonderful.

May every moment of this year be unique, filled with pure pleasure and each day comes out like exactly what you want...Happy New Year 2023.

WISHES FROM DIRECTOR

Welcoming a new year is not only about counting the last moments. It is about being ready for every moment of the next year. New Year is a symbol of hope, faith, confidence, and growth. Good times and treasure of the present will be the golden memories of tomorrow.

Hope 2023 would see enhanced levels of spirited functioning, creations, innovations, and research output coming out from RKGIT.

I bestow my sincere appreciation to the Department of Applied Sciences & Humanities for promoting practical aspects and grooming the analytical skills of the students with the basics of Sciences & Humanities.



DR. B.C SHARMA
DIRECTOR

MESSAGE FROM EDITOR IN CHIEF

The magic in new beginnings is truly the most powerful of them all. Cheers to a New Year! May you discover everything you are looking for in the new year right inside yourself. On behalf of our department, I wish you a very happy and prosperous New year 2023. We hope that the new year brings your family much happiness and prosperity.

I am extremely delighted to announce the release of volume 3, issue 2 of our departmental newsletter Darpan. Here you will find the latest news about the department, and the excellent programs and activities conducted by the department.

Wish you all a very HAPPY NEW YEAR 2023



DR. POONAM C KUMAR
HOD, ASH & B.TECH I YR

OUR TEAM

Chief Patrons

Sh.Dinesh Kumar Goel

Sh.Akshat Goel

Patrons

Dr. Laxman Prasad

Dr. D.K Chauhan

Dr. B.C Sharma

Dr. R.K Yadav

Editor In Chief

Dr. Poonam C Kumar

Editor

Dr. Neena Sharma

INSIDE

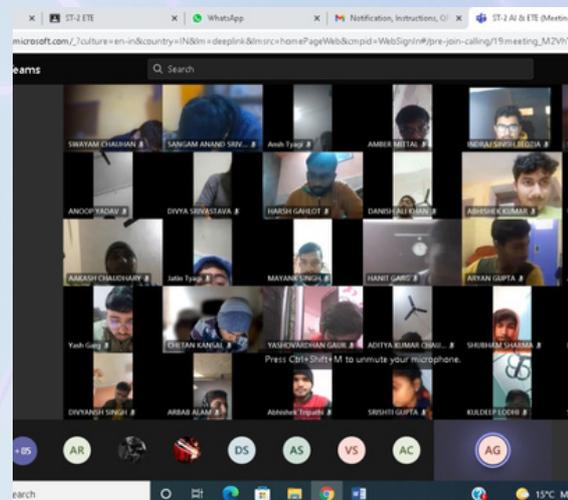
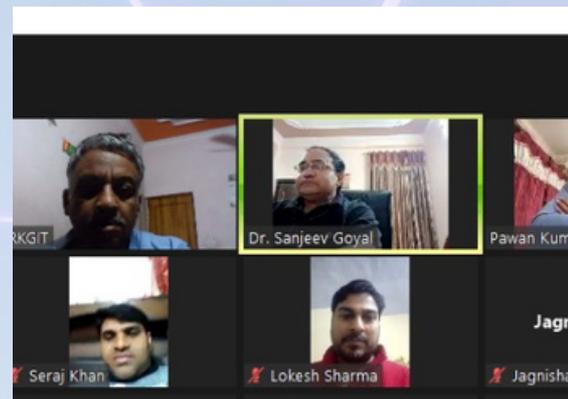
- Faculty Achievement
- Student Induction Programme
 - Orientation program
 - Tree Plantation
 - Constitution Day celebration
 - Fresher's Party



Webinar

The International Webinar was organized by the Department of Applied Sciences & Humanities on 18 November 2022 on the topic "Multispecies Ion Acceleration from Laser-Driven Ultrathin Foils".

The speaker of the day for the topic was Prof. Marco Borghesi, Director Centre for Plasma Physics Centre for Light-Matter Interactions School of Mathematics and Physics Queen's University of Belfast Northern Ireland, United Kingdom. There is growing interest in laser-based, all-optical technologies for particle acceleration, due to their compact nature, and the unique properties of the beams produced through these techniques. The future clinical application has been a strong motivation for research in the acceleration of protons and heavier ions. In particular, the ultrashort nature of the ion pulses makes their application in in-vitro and in-vivo radiobiology particularly interesting, in light of the current interest in FLASH irradiations at very high dose rates. While the so-called Target Normal Sheath Acceleration process is a well-established process for accelerating contaminant protons from the surface of laser-irradiated, micron-thick foils, significant attention is currently being paid to mechanisms acting on the bulk target ions, and therefore suited to accelerate efficiently heavier ion species, such as carbon. Particularly promising are processes of Radiation Pressure Acceleration in the Light Sail mode acting on ultrathin targets. A series of experimental campaigns carried out by our group and collaborators on the 40 fs, 350 TW GEMINI laser system at the Central Laser Facility (RAL, UK) has investigated the acceleration of protons and carbon ions from ultrathin (nm-scale) carbon foils.



FACULTY DEVELOPMENT PROGRAMME

Dr. Vikas Katoch participated in the 8-day Faculty Development Program on "Face-to-Face UHV-III" organized by AICTE, New Delhi from 02 August 2022 to 09 August 2022.

Dr. Vikas Katoch participated in the online ECT workshop on "Giant and soft modes of excitation in nuclear structure and astrophysics" organized by ECT, Italy from Oct 24-28, 2022.

Dr. Vikas Katoch participated in the online ECT workshop on "Quantum Computing for Many-Body problems (QCMB): atomic nuclei, neutrinos, and other strongly correlated Fermi systems" organized by IJC Lab / Europe/Paris ECT, Italy from Nov 22 – 24, 2022.

RESEARCH/ BOOK PUBLICATION

Dr . Manoj Mangal published his paper on" Gap Coupled Parasitic and Triple Band Square MSA with Finite Ground" in(the Journal of Optoelectronics Laser, Volume 41 Issue 11,2022) Scopus.

Dr . Manoj Mangal published his paper on H-shaped MSA and Modified Square Square WMSA with slot Loaded Finite Ground. (Mathematical Statistician and Engineering Application, ISSN 2094-0343, Vol 71, No.4 2022)Scopus.

Dr. Shalini Gupta published a paper on "Optimization of Cabinet reshuffle assignment problem" AIP Conference proceeding 2481,040008(2022), ISBN: 978-0-7354-4218-4 (Scopus) on 8 Nov 2022.

Dr. Prag Singhal published a paper on "Optimization of Cabinet reshuffle assignment problem" AIP Conference proceeding 2481,040008(2022), ISBN: 978-0-7354-4218-4 (Scopus) on 8 Nov 2022.

Dr. Neena Sharma published a paper entitled "Johnson on Shakespeare- The Preface, a Unique Critical Document" Wutan Huatan Jisuan Jishu Volume XVIII, Issue XII, DECEMBER/2022 ISSN number 1001-1749

Dr. Amit Sharma published a book entitled "Engineering Chemistry" in Alpha International Publications (AIP) ISBN: 978-93-95405-44-7 in 2022.

Dr. Mamta Goel published a book entitled "Engineering Chemistry" (ISBN NO:978-93-5625-611-8) in Dec 2022.

Dr. Reeta Chauhan published a chapter on LCA of Nanomaterials for Bioremediation(WILEY ONLINE LIBRARY) on 5 August 2022.

WEBINAR

Dr.Sanjeev Goyal participated in the online webinar on "Entrepreneurship and Innovation as Career Opportunity' organized by IIC, Motherhood University, Roorkee.

ONLINE CERTIFICATION

Dr Neena Sharma successfully completed" Create a Resume and Cover Letter with Google Docs an online non-credit project authorized by Coursera Project Network and offered through Coursera in Oct.2022..

Induction Program

Student Induction Program (SIP) was conducted for B.Tech 1st year students as per the guidelines of AICTE from 10th Nov 2022. 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, motivational lectures, tree plantation, etc.

The Induction program started with the Orientation program. The program started with lamp lighting and Saraswati Vandana. In the orientation program, Shri H G Garg, Dean SW gave detailed information to the students about the facilities available in the institute and different types of help desks. The director of the institute encouraged the students to participate in all kinds of activities at the institute. He informed that the students of RKGIT Institute are consistently achieving top ranks in Dr. APJ Abdul Kalam Technical University AKTU every year. 'This makes the institute very proud. He expressed the hope that the newly admitted students will also work hard, in the same way, to bring laurels to themselves, their parents, and the name of the institute.

The Dean Academics of the institute Dr. R.K Yadav introduced all the heads of departments and authorities to the students. The Vice-Chairman of the Institute, Mr. Akshat Goyal, Group Advisor Professor Laxman Prasad, and Executive Director Dr. D.K. Chauhan congratulated all the students for taking admission to the institute and wished them good luck for their bright future. He said that though the institute provides all kinds of facilities to the students, if any other facilities, students want from the institute, then the institute will definitely provide them without any delay. The program was organized by Poonam Chaturvedi Kumar, Head of the Department of Applied Sciences and Humanities, and Dr. Prag Singhal & Dr Sanjay Singh, Coordinators B. Tech First year.



After the orientation day, various physical activities were conducted, viz. Yoga, light exercise. The objectives of physical activities are to ensure a strong, perseverant and alert mind – so that the basic mental abilities of cognition, concentration, comprehension, recollection, reflection and reflex action would be fine-tuned to further aid higher intellectual processes in the student.



A motivational lecture of B.K Ankush., B.K Deepika & B.K Manisha was organized on Yoga & Meditation. They mentioned the importance of spirituality and meditation in our lives. Meditation can give you a sense of calm, peace, and balance that can benefit both your emotional well-being and your overall health.



The Institute organized a visit to the local area in the city. A tree plantation program was organized to create awareness regarding climate change and its adverse effect on us. After the tree plantation activity, literary activity i.e. essay writing was organized for interested students.



Tree Plantation

A tree plantation program was organized to create awareness regarding climate change and its adverse effect on us under the Induction program for B.Tech 1st year students .

Understanding the importance of nature for our existence and conserving nature in all manner, is our moral responsibility. It's not too hard to believe that without trees we, humans would not exist on this beautiful planet. While the latest technology has provided us with many comforts, the consequent urbanization and industrialization also have some undesirable side effects; Global Warming is one of those. This event is a positive step towards achieving a healthy environment to reconnect humans to nature and foster environmental stewardship.

Institute pledged to plant as many trees as possible near our areas so as to create a very healthy environment and contribute to minimizing the climatic changes. Several plants were planted in the Institute to create awareness about saving trees. One by one student and teachers started planting saplings.

It was the dedication and enthusiasm of Dr. Poonam C Kumar, and B.Tech 1st year coordinators Dr. Prag Singhal & Dr. Sanjay Singh, who successfully organized the whole event.



Constitution Day Celebration



On the occasion of Constitution Day dated 26/11/22, a program was organized by the Department of Applied Science and Humanities. The program started with the lighting of the lamp. Dr. Laxman Prasad, Advisor, RKG Group gave a detailed account of Fundamental Rights on the occasion. Fundamental Rights are those rights that are important for the moral and intellectual development of all people. These are essential for the all-round development of individuals, hence they are called fundamental rights.



Mr. H.G. Garg, Dean Student Welfare discussed in detail about the salient features of the constitution. He said that in the post-independence era, India brought some much-needed fundamental rights. These rights are guaranteed by law to every citizen of India. It is important to know what they are so that no one is denied his rights. Right to equality, right to freedom, right against exploitation, right to freedom of religion, cultural and educational right, and right to constitutional remedies, these basic rights are guaranteed to the citizen.

In this program, Heads of all the departments, and all the faculty members were present. The program was successfully conducted by Dr. Poonam C. Kumar.

Fresher's Party



RKGIT organized a Freshers' Party "Aarambh 2022" on 3th December to welcome the Batch of 2022. 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 Basket ball 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 ambience, 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 each and 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.

Mr. Siddarth Bhardwaj & Ms. Avni Singh were declared the Mr. Fresher and Ms. Fresher of the Fresher Party. Finally, the vote of thanks was given by Mr Kunal Lala, Convener, Cultural Cpouncil. 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."



DARPAN

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FOLLOW RKGIT



FOR ANY SUGGESTIONS PLEASE CONTACT US AT:

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