Armed Forces Flag Day 07 Dec 2023

The Armed Forces Flag Day or the Flag Day of India is a day dedicated to honouring the soldiers and veterans of India's armed forces. It has been observed annually in India on

Since 1949, 7th December is observed as the Armed Forces Flag Day throughout the country to honour the martyrs and the men in uniform who valiantly fought & continue to fight on our borders to safeguard the country's honour. Soldiers are one of the greatest assets of any country. They are the guardians of the nation and protect its citizens at all costs. To fulfil their duties, soldiers have sacrificed a lot of things in their lives. The country is forever indebted tothese gallant heroes who lay down their lives in the service towards the

It is our duty to not only show our admiration for the martyrs and the living heroes who were wounded while doing their duties but also their families who have been a crucial part of this sacrifice. Apart from Government measures at the Centre and the State level, it is the collective duty of every citizen of our country to make his/her unstinted and voluntary contribution towards providing care, support, rehabilitation and financial aid. Flag Day brings to the forefront our commitment of looking after our war disabled Soldiers, Veer Naris and the families of Martyrs who have sacrificed their lives for the country.

Armed Forces Flag Day Observed

The Department of Computer Science and Engineering at the University Institute of Technology, Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), Bhopal, observed Armed Forces Flag Day today. The event was graced by Professor Uday Chaurasia, Professor Manish Ahirwar (Head of the Department, Computer Science and Engineering), Professor Kaustubh Dwivedi (NCC In-charge), Professor Rajeev Pandey, Professor Piyush Shukla, and Professor Raju Baraskar, among others.

List of Students selected in GATE & CAT			
Batch 2019-2023			
S.No.	Enrollment No.	Name	Exam Details
1	0101CS191008	Aditya Agrawal	CAT
2	0101CS191009	Aditya Chandle	GATE
3	0101CS191014	Akriti Bhatt	GATE
4	0101CS191019	Anjali Chauhan	GATE
5	0101CS191026	Anupam Pandey	GATE
6	0101CS191036	Bharat Patidar	GATE
7	0101CS191038	Raghavendra Narayan Jha	GATE
8	0101CS191052	Gurujeet Singh Raghuwanshi	GATE
9	0101CS191098	Rohit Rai	GATE
10	0101CS191099	Rohit Singh Yadav	GATE
11	0101CS191103	SakshiBadole	GATE
12	0101CS191120	SourabhMehra	GATE
13	0101CS191125	UmangSadhwani	GATE

Books (Edited & Authored) Published:

- Book published of Dr. Piyush Kumar Shukla named as "Internet of Everything(IoE) for Biomedical Applications" in Press- CRC Press- Taylor & Francis Group.
- 2. Book published of Dr. Piyush Kumar Shukla named as "IoT in Healthcare Systems: Applications, Benefits, Challenges, and Case Studies (Artificial Intelligence in Smart Healthcare Systems) " in Press- CRC Press- Taylor & Francis Group.
- Book published of Dr. Piyush Kumar Shukla named as "Data Structure And Algorithm" in Arcler Press
- Book published of Dr. Piyush Kumar Shukla named as "Innovative Engineering with AI Applications" in Scrivener Publishing-John Wiley and Sons.

Patents Publication:



- Dr. Piyush Kumar Shukla et al.., An Intelligent Shopping Cart for Tracking Product Using Iot, Patent No. 367570-001, Granted 19 February 2023....Granted 2023
- Dr. Piyush Kumar Shukla et al.., Title: Blockchain Enabled Device for Enhancing Computer Network Security, Patent No. 370531-001, Granted 23 December 2022... Granted 2023
- Dr. Piyush Kumar Shukla et al.., Artificial Intelligence Based Heart Rate Monitoring Device for Sports Training, Patent No. 370463-001, Granted 7
- 4. Dr. Piyush Kumar Shukla et al.., SECURITY FRAMEWORK MODEL FOR CLOUD COMPUTING, Patent No. 422362, Granted 20 February 2023,
- Dr. Piyush Kumar Shukla et al.., Title: Intelligent Power Reduction Technique for Indoor and Outdoor Application, Patent No. 44467, Granted 11 August
- 6. Dr. Piyush Kumar Shukla, Dr. Rajeev Pandey et al.., Title: IoT based system for generating Green Energy, Patent No. H02S 20/32, Granted 20 June 2023,

आर्म्ड फोर्सज ने फ्लैग डे बनाय



भोपाल की घटक संस्था यूनिवर्सिटी इंस्टीट्यूट आफ टेक्नोलॉजी की कंप्यटर साइंस एवं इंजीनियरिंग विभाग में आज आर्मड फोर्सज फ्लैग डे बनाया गया। प्रो उदय चौरसिया, प्रो मनीष अहिरवार (विभाग अध्यक्ष कंप्यूटर साइंस इंजीनियरिंग), प्रो. कास्तुब दिवेदी इंचार्ज एनसीसी, प्रो राजीव पांडे, प्रो पियुष शुक्ला, प्रो. राजू बारासकर आदि





Books Chapter Published:

1.Book chapter published of Dr. Anjana Deen named as "Load Balancing in Cloud Computing", Cognitive Science and Technology" in SPRINGER.

Details of FDS/Workshops/Seminars attended by



1. Dr. Manish Kumar Ahirwar attended One day International conference Machine intelligence and smart system at Shriram Institute of Information technology, Banmore Morena from 24/02/2023 to Associate Prof.
DOCSE, UIT-RGPV
Bhopal

25/02/2023.

Newsletter 2023

Department of Computer Science & Engineering

Prof. Uday Chourasia, Prof. Manish Ahirwar, Prof. Shikha Agarwal, Prof. Piyush Shukla, Prof. Raju Baraskar, Prof. Rajeev Pandey

Student Coordinators

1. Navodita Singh 2. Manas Mishra

3. Bhawna Chelani

4. Ashi Jain

5. Prateek Thakre

Publisher: Department of Computer Science & Engineering University Institute of Technology, Rajiv Gandhi Proudyogiki Vishwavidhyalaya Bhopal (M.P.)

CSE-UIT RGPV @Newsletter-2023



Department of Computer Science & Engineering **UIT RGPV Bhopal**

December - 2023



University Institute of Technology, RGPV Airport Road, Gandhi Nagar, Bhopal (M.P.) 462033

Phone: 0755 2923289, Email: docseuitrgpv@gmail.com

Vision and Mission of the Institute and **Department**

Vision of Institute:

To disseminate affordable quality technical education for producing globally competent, technically proficient and socially responsible technical manpower to meet global challenges.

Mission of Institute:

To establish University Institute of Technology, RGPV Bhopal as a centre of excellence for imparting technical education through technological interventions for the sustainable development of the nation

Vision of Department:

To nurture and enlighten the budding talents into socially committed & dexterous Computer Science & Engineering professionals, possessing a robust foundation and adaptable attitude for rapid technological advancements in the field along with sustainable ethical values, to meet global challenges.

Mission of Department:

M1: To persistently endeavor for the consistent development of student by providing them robust foundation in knowledge arena by enabling to imbibe the very essence and philosophy of computer science & engineering domain.

M2: To continuously strive for the overall development of student by educating them in blooming cutting edge technology.

M3: To curate a conducive environment for exploring, analyzing and applying knowledge to improve technical & interpersonal skills of student.

M4: To inculcate ethics, environmental awareness and societal commitment which will contribute to personal and professional growth in the interest of society.

M5: To provide conducive environment for exploring and applying knowledge to improve interpersonal and technical

Program Educational Objectives Statement (PEOs)

PEO1: To Attain professional competency in the fast growing area of computer science & engineering.

PEO2: To be able to apply knowledge of basis science and core engineering to pursue higher education, research and also to able to work in competitive multidisciplinary environment.

PEO3: To flourish as a socially committed computer science & engineering grandaunt, possessing state of the art domain knowledge, entrepreneurial skill, problem solving & research attitude, good.

Program Specific Outcomes (PSO's)

PSO1: Have you ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, network security, IoT and networking for efficient design of computer-based systems of varying?

PSO2: Are you able to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success?

PSO3: Have you ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher

Impact of Artificial Intelligence on Human Loss Indecision Making, Laziness and Safety in Education

This study examines the impact of artificial intelligence (AI) on loss in decision-making, laziness, and privacy concerns among university students in Pakistan and China. Like other sectors, education also adopts AI technologies to address modern-day challenges. AI investment will grow to USD 253.82 million from 2021 to 2025. However, worryingly, researchers and institutions across the globe are praising the positive role of AI but ignoring its concerns. This study is based on qualitative methodology using PLS-Smart for the data analysis. Primary data was collected from 285 students from different universities in Pakistan and China. The purposive Sampling technique was used to draw the sample from the population. The data analysis findings show that AI significantly impacts the loss of human decision-making and makes humans lazy. It also impacts security and privacy. The findings show that 68.9% of laziness in humans, 68.6% in personal privacy and security issues, and27.7% in the loss of decision-making are due to the impact of artificial intelligence in Pakistani and Chinese society. From this, it was observed that human laziness is the most affected area due to AI.

Republic Day Celebrated at RGPV University:

On 26th January 2024, Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), Bhopal, celebrated Republic Day with great enthusiasm and patriotism. The celebration was marked by various cultural and academic events aimed at honoring the spirit of the Indian Republic and its constitutional values.

The event began with a grand flag hoisting ceremony at the university campus, led by the Vice Chancellor and other prominent dignitaries. The flag was unfurled with respect, followed by the national anthem to commemorate the historic moment when India became a republic in 1950.

In addition to the flag hoisting, the university organized a series of cultural performances, including traditional dances, patriotic songs, and speeches. Students and faculty members participated with enthusiasm, showcasing their talents and paying tribute to the nation's rich cultural heritage and its commitment to democracy and unity

Dr. Sunil Kumar Gupta, the Vice Chancellor, addressed the gathering, emphasizing the importance of education, innovation, and the role of youth in nation-building. He encouraged the students to contribute positively to society and uphold the values enshrined in the Indian Constitution.

The Republic Day celebration at RGPV was a vibrant display of patriotism, unity, and national pride, fostering a deeper connection with the country's heritage and a sense of responsibility toward its future



Students of Rajiv Gandhi Proudyogiki Vishwavidyalaya Achieve Success in GATE Exam: **March 2023**

The Vice Chancellor of Rajiv Gandhi Proudyogiki Vishwavidyalaya, Sunil Kumar, congratulated Anjali Chauhan, a student from the Computer Science and Engineering Department of the University Institute of Technology, Bhopal, for securing AIR-13 rank in the GATE Exam 2023 at the national level. He wished her a bright future and expressed pride in the university's continuous progress. He mentioned that the university's students have been consistently making the university proud by excelling at the national level, further enhancing the reputation of Rajiv Gandhi Proudyogiki Vishwavidyalaya both in the state and across the country.

In his address, he also highlighted the achievement of Bhavna Chhalani, a student from the Computer Science Department, who secured the second position in the GATE Exam 2022. Continuing this success, Anjali Chauhan's achievement in GATE 2023 was a proud moment for the department. The Vice Chancellor also noted the excellent performance of other students from the Computer Science and Engineering Department in the GATE 2023 exam.

Orientation Program for GATE Aspirants (12 April 2023)

The GATE (Graduate Aptitude Test in Engineering) exam is a significant examination for engineering and science students, opening doors to higher education (M.Tech), government jobs, and other research opportunities. The objective of the orientation program was to provide information about the GATE exam and guide aspirants in their preparation. The following key points were discussed during the program:

- Introduction to the GATE exam
- Exam structure
- Syllabus and study material
- Preparation tips for the GATE exam
- Mental preparation and stress management
- Success strategies for the GATE exam
- Opportunities after GATE

This orientation program for GATE aspirants was not only intended to provide information about the exam but also to guide candidates on how to prepare effectively. It instilled confidence in the aspirants and helped them prepare for the GATE exam in a more organized manner.

अंजलि ने गेट एवजाम में 13वीं रैंक हासिल की

आरजीपीवी ने उपलब्धियों पर विद्यार्थियों का किया सम्मान छात्राओं का

उत्कृष्ट प्रदर्शन

गेट 2023 के एरजाम में कंप्यूटर साइंस एवं इंजीवियरिंग विभाव के अन्य छात्र छात्राओं का उत्कृष्ट

प्रदर्शन रहा। वेशेषकर भारत

सिंह यादव एआईआर -71

एआईआर- २००,

गुरजीत सिंह रघुवंशी एआईआर 315 रैंक, तपिश

पाटीदार एआईआर

आदित्य चंदेल ७४४ रैंक हासिल किया ।

कुलपति सुनील गुप्ता ने बताया कि विश्वविद्यालय का

सिलेबस इस तरह

से डिजाइन किया गया है जिससे



हरिभमि न्यज 🕪 भोपाल

राजीव गांधी प्रौद्योगिकी विश्वविद्यालय के कुलपति सुनील कुमार ने गेट एग्जाम 2023 में विश्वविद्यालय की घटक संस्था यूनिवर्सिटी इंस्टिट्यूट ऑफ्न टेक्नोलॉजी भोपाल की कंप्यूटर साइंस एवं इंजीनियरिंग विभाग की छात्रा अंजलि चौहान द्वारा राष्ट्रीय स्तर के गेट एग्जाम 2023 में ऑल इंडिया रैंकिंग में 13 रैंक हासिल करने पर उन्हें विश्वविद्यालय की तरफ से बधाई देते हुए कहा कि विश्वविद्यालय निरंतर प्रगति के पथ पर अयसर है। विश्वविद्यालय के छात्र एवं छात्राओं द्वारा निरंतर राष्ट्रीय स्तर पर राजीव गांघी ौद्योगिकी विश्वविद्यालय का नाम प्रदेश एवं देश रोशन किया जा रहा है। उन्होंने अपने उद्घोधन र्व बताया कि पिछले वर्ष गेट 2022 के परीक्षा में ज्यटर साइंस विभाग की छात्रा भावना चलानी राष्ट्रीय स्तर पर द्वितीय स्थान प्राप्त की। इसी कडी इस वर्ष भी कंप्यूटर साइंस एवं इंजीनियरिंग विभाग की छात्रा अंजलि चौहान गेट एग्जाम 2023 में एआईआर-13 रैंक हासिल किया।

राजीव गांधी प्रौद्योगिकी विवि की घटक संस्था ने किया ओरियंटेशन प्रोग्राम का आयोजन



Expert Lecture on Machine Learning at UIT RGPV:31-03-2023

An Expert Lecture on Machine Learning was organized at the University Institute of Technology (UIT), Rajiv Gandhi Proudvogiki Vishwayidvalaya (RGPV), Bhopal, The lecture was delivered by Dr. Rachna Dubey, Assistant Professor, Department of Computer Science and Engineering (CSE), Pt. S.N. Shukla University.

The event was coordinated by Dr. Rajeev Pandey, Department of CSE, UIT RGPV, and was attended by faculty members and students from the department. The lecture provided valuable insights into the concepts and applications of machine learning, offering a deeper understanding of how this technology is transforming industries and shaping the future of various sectors.

Prof. Uday Chourasia, Head of the Department of CSE at UIT RGPV, also participated in the event, emphasizing the importance of machine learning in today's technological landscape. The lecture was a great opportunity for the attendees to learn from an expert in the field and gain practical knowledge in this rapidly evolving domain



Farewell Program: (19/05/2023)

A farewell program is organized to bid adieu to a person who is leaving an organization, school, college, or workplace. It is an emotional occasion where the individual's contributions are appreciated, and they are wished the best for their future endeavors. The purpose of the program is to honor the individual and make their departure memorable. A farewell program is a blend of emotions, memories, and respect. It is a time to cherish the good moments spent with the individual and to offer best wishes for their future. The event is not just a goodbye but a meaningful and inspiring experience that leaves a lasting impact on both the individual and the attendees.



State Space Search is an important technique used in Artificial Intelligence (AI) to solve problems. In the AI workshop, detailed discussions were held on the scope and applications of this technique.

Introduction to State Space Search:

State Space Search refers to the process of simulating various possible states and transitions between those states to solve a

In this, paths are identified to reach from an "initial state" to a "goal state.

This technique utilizes various search algorithms such as Breadth-First Search, Depth-First Search, and A* Search, etc.

State Space Search plays a significant role in the field of AI, and due to its vast applicability, its scope in various fields is continuously expanding. This workshop not only enhanced technical knowledge but also clarified the direction for its future improvement and usage.

Scope of State Space
Search Techniques in Al-





आरजीपीवी के स्टूडेंट्स ने बांटे कंबल



भोपाल। राजीव गांधी प्रौद्योगिकी विश्वविद्यालय (आरजपीवी) के छात्र-छात्राओं द्वारा शनिवार रात में एम्स भोपाल में जरूरतमंद व्यक्तियों को कंबल वितरित किए गए । यह ळाच-ळाचाएं आरजीपीवी





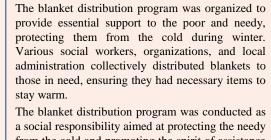
Prof. Uday Chourasia Honored with Guruvr Samman:

Prof. Uday Chourasia, Head of the Department of Computer Science and Engineering (CSE) at UIT RGPV, was honored with the prestigious Guruvr Samman for his outstanding contributions in the field of education and his dedication to guiding students.

The award ceremony took place at People University, where numerous esteemed academicians and industry representatives were present to celebrate Prof. Chourasia's remarkable achievements. This recognition highlights his continued commitment to excellence in education and his role in shaping the careers of many students.







Blanket Distribution Program

(03/12/2023)

Traditional day celebration (23 Oct 2023)

Traditional Day is a special event celebrated to

honor and showcase the cultural heritage, traditions,

and customs of a particular community, region, or

country. It is often observed in schools, colleges,

and organizations to promote cultural diversity and

foster a sense of pride in one's heritage. The event

is marked by wearing traditional attire, participating

in cultural performances, and celebrating the unique

customs of different regions.

a social responsibility aimed at protecting the needy from the cold and promoting the spirit of assistance and cooperation within society. Such initiatives help bring about positive changes and pave the way for a brighter future for the underprivileged.