Dr. Shikha Agrawal Honored by NASSCOM

We are proud to announce that Dr. Shikha Agrawal has been recognized as a Women Mentor Achiever at the NASSCOM Madhya Pradesh TECH VISTA 2021 for her outstanding contributions to the IT/ITES/BPO industry.

As part of this honor, a tree has been planted in her name at Bhoggaon Village, Khargone District, Madhya Pradesh, symbolizing her commitment to mentorship and sustainability.

Congratulations, Dr. Agrawal, on this well-deserved achievement

RESEARCH EXCELLENCE: FACULTY BOOK

CHAPTERS PUBLISHED

- 1. Dr. Piyush Kumar Shukla Published a chapter titled "Improving the Protection of Wireless Sensor Network Using a Black Hole Optimization Algorithm (BHOA) on Best Feasible Node Capture Attack in IoT and Analytics for Sensor Networks" in Springer publication.
- 2. Dr. Piyush Kumar Shukla and Dr. Rajeev Pandey Co-authored a chapter titled "A Survey on the Techniques to Improve the Visibility of Geospatial Resources on the Web" in IGI Global publication.
- 3. Dr. Anjna Deen Published a chapter titled "Anomaly-Based Intrusion Detection System Through Deep Neural Network" in Springer publication.

PATENTS PUBLICATION:

- 1. Dr. Piyush Kumar Shukla et.al Smart Tree Health Assessment (THA) model using advanced computer vision techniques and machine learning, Term of Patent Grant: Eight years (upto 22 September 2029) from 22 September 2021, granted Patent Number: 2021104683, Granted.
- Shikha Agrawal et al. Title: Soil Monitoring Device For Efficient Soil Biome Management & Crop Guidance, Patent No. 201921026715, Published 07 Oct.2020.
- 3. Praveen Kumar Kaithal et al. Title: Automated Configuration Of Hybrid Iot Mesh Network For Real Time Logistics Tracking, Patent No. 202131002914, Published 19 Feb 2021.
- 4. Praveen Kumar Kaithal et al. Title: Automated Improved Iot-Based Control System Combined With An Advanced Control Management Server-Based System, Patent No. 2020104364, Published 03 Mar 2021.
- 5. Dr. Priyanka Dixit et al. Title: Develop and autonomous design system to recognize the subject through the posture of the walk using IOT, Patent No. 2021107373, Published 25 Aug 2021.
- 6. Praveen Kumar Kaithal et al. Title Early detection of Denial-of-Service (DoS) attack and Deception attack in industrial cyber physical systems, Patent No. 202131002914, Published 03 Nov.2021.Granted.
- 7. Praveen Kumar Kaithal et al. Title Software Define Network Based Network Security Monitoring system, Patent No. 202141038188, Published 03 Sept. 2021.
- 8. Mukesh Dhariwal et al. title Simultaneous spectrum and energy allocation algorithm for cognitive internet of things patent no. 2021106006. Australian published 2021 Granted.
- 9. Prof. Uday Chourasia, Prof. PriyankaDixit et.al title A Machine Learning and IoT Based system for Intelligent routing., Patent No.2021101897. Australian Publication, Published 13 April 2021.



Newsletter 2021 Department of Computer Science & Engineering

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

Student Coordinators : 1. Astha

- 2. Nancy Jain
- 3. Pranjal Gupta
- 4. Shikha Dhurvey
- 5. Rounak Kapoor

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

List of Students selected in GATE/CAT/GRE etc.			
Batch 2017-2021			
S.No.	Enrollment No.	Name	Exam
1	0101CS171002	Abhishek Gunkar	GATE
2	0101CS171014	Annanya Jain	GRE
3	0101CS171025	Ayush Jain	CAT
		Chitransh Suresh	
4	0101CS171029	Vishwakarma	GATE
5	0101CS171035	Dhawal Motwani	CAT
6	0101CS171038	Diksha Daryani	GATE
7	0101CS171040	Gaurav Saraswat	CAT
8	0101CS171043	Harish Chandra	GATE
9	0101CS171044	Harleen Kaur Bagga	GATE
10	0101CS171044	Harleen Kaur Bagga	GRE
11	0101CS171046	Harshita Ram	CAT
12	0101CS171054	Kshitij Singh	CAT
13	0101CS171055	Lovesh Dongre	GATE
14	0101CS171060	Minakshee Wanode	GATE
15	0101CS171063	Mradul Kumar	GATE
16	0101CS171066	Nikhil Chouhan	GRE
17	0101CS171069	Nishi Sharma	GATE
18	0101CS171079	Pratiksha Bedarkar	GATE
19	0101CS171085	Rajeev Kushram	GATE
20	0101CS171091	Rohit Rathore	CAT
21	0101CS171094	Sachit Dixit	CAT
22	0101CS171106	Shikha Raghuwanshi	GATE
23	0101CS171108	Shivansh Bhatnagar	GATE
24	0101CS171113	Siddharth Jain	CAT
25	0101CS171114	Somnath Chaturvedi	CAT
26	0101CS171123	Tushar Singh	GATE
27	0101CS183D14	Mahesh Prajapati	GATE

CSE-UIT RGPV @Newsletter-2021



Department of Computer Science & Engineering UIT RGPV Bhopal

December - 2021



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

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

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 skills.

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

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 studies.

यूआईटी-आरजीपीवी में शुरू हुआ पांच दिवसीय अटल फैकल्टी डेवलपमेंट प्रोग्राम

दिनक फर्च भोषाला बुआर्टी- अनुवंध विषय पर व्याख्या होंगे, उनके आरतीयीची में मंगलवार को लाइटवेट व्याद की अनुपम तिवारी होंगे जो करेंगे किटरोडामुं का आईडोटी व ब्लॉक्टिय स्व्याख्या टेक्नोलांकी इंटर्नला विषय स्वाख्यांदिरों में महत्त्व विषय पर पांच पर प्रकारा खाती तिर 2 (28-07) दिवसीय ऑनलाइन फैकल्टरी आईडीक्ट गोहाकार के साथ केल्लपर्य प्रोमा का अगुस्पर हुआ। पुरु को गा को हम प्रयोग्धन क्लिक्टरी कर्मप्राध्म का अगुस्पर हुआ। पर हुक होगा की हमार प्रियेशस व्यक्तियों कर्मप्रध्म का आयोजन संस्था के कंपपुर साईस पंड डोक्नीनस्मिं विभाग पर जा प्रदान क्लिक्टर क्लिक्टर साईस पंड डोक्टर की क्लिक्टर साईस पंड डोक्नीनस्मिं विभाग तार एआईसीटोई की अटल सोजना के ओर्टा विकास और साई कर्पुटेक्ट को ते 31 बुलाई तक स्वरंगा विकास साम सुख्य 11 को से लेकर क्याम 5

ATAL

दिनिक फर्ज पोणार | कुमारिट-आत्वीपीयों में मंगलवार को लाइट्यें क्रिक्टामार्थ के आईसीट व क्योंकिन स्वस्थारिटों में मंगलवार को लाइट्यें क्रिक्टामार्थ के अर्डसीट क क्योंकिन स्वस्थारिटों में मंगलवार को लाइट्यें क्रिक्टामार्थ के आईसीट व क्योंकिन स्वस्थारिटों में मंगलवार को लाइट्यें क्रिक्टामार्थ के आईसीट व क्योंकिन के साथ व्यवस्था आंत्र का अग्रायोंकि हिंद 2 (28-07) श्री अर्जिय क्योंकिन के साथ क्रिक्टामार्थ में क्या है। क्योंकिन क्या का अग्रायोंकि कर साथ क्रिक्टामार्थ में क्या है। क्या आंत्र क्या है। क्रिक्टामार्थ के अर्क्य क्या है। अर्क्य का क्या है। पहले किस के विषय प्रशीस क्या का क्या है। क्रिक्टामार्थ में क्या है। क्रिक्टामार्थ के साथ क्रिक्टामार्थ के साथ



Vishwavidyalaya

AICTE Training and Learning (ATAL) Academy

Sponsored Online Faculty Development Program

27-31 July 2021

Recent Advances and Trends in Lightweight Cryptography for IoT Security and Blockchain **Technologies**

Organised By



Five-Day Atal Faculty Development Program Starts at UIT-**RGPV: 27-31 July 2021**

A five-day Atal Faculty Development Program on the importance of lightweight cryptography in IoT and blockchain security began at UIT-RGPV.

On Tuesday, a five-day online Faculty Development Program (FDP) on the importance of lightweight cryptography in IoT and blockchain security was inaugurated at UIT-RGPV. The program is being organized by the Computer Science and Engineering Department of the institution under the AICTE Atal Scheme. The program will run from July 27 to 31, with sessions from 11 AM to 5 PM. Experts from prestigious institutions like IITs and NITs, along with international experts, will conduct 14 technical sessions. The program is being broadcast live on Zoom, YouTube, and Facebook, Around 200 participants from across the country are attending the program, and certificates will be distributed to all participants at the end of the event.

The inauguration ceremony was attended by the Vice Chancellor of the university, Prof. (Dr.) Sunil Kumar Gupta, who emphasized the need to update cybersecurity frameworks to protect against cybercrimes, especially in fields like blockchain technology. Dr. Sudhir Singh Bhadoria, the esteemed director of RGPV, also joined the ceremony online. The program was chaired by Dr. Sanjay Silkari, Head of the Computer Science and Engineering Department, who highlighted the main objectives of the FDP and congratulated all the organizers. The ceremony was also attended by Prof. Uday Chorsia, Dr. Shikha Agarwal, Dr. Piyush Shukla, and Prof. Manish Ahirwar.

Dr. Piyush Kumar Shukla, the program coordinator, stated that the primary objective of the FDP is to discuss the growing security issues related to emerging technologies like IoT and blockchain and find appropriate solutions.

The first session on Day 1 was led by Dr. Sudip Tanwar, who is currently a professor at Nirma University, Gujarat. His research interests include WSN blockchain technology, smart grids, UAV communication, and routing issues in fog computing. He discussed the importance of Ethereum and smart contracts, comparing them to normal contracts with real-life examples.

The second session on Day 1 was also conducted by Dr. Sudip Tanwar, who provided a practical overview of various tools used for transaction purposes on the Ethereum platform from 1 PM to 3 PM.

The third session on Day 1, conducted by Dr. Anupam Tiwari, a Joint Director at the Government of India with over 18 years of experience in the cybersecurity domain, focused on the architecture of blockchain and cryptocurrency, their real-world applications, pros and cons, and how to overcome challenges related to blockchain technology. The session concluded with a Q&A session where the experts addressed various questions.

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

- On December 17, 2021, Mr. Shailesh Mishra (Alumnus, 1993 Batch), Director, Sales Management, AT&T Global Services, Singapore, visited the department. His visit was an inspiring opportunity to connect with one of our most accomplished alumni.
- The 1996 Batch Alumni Visit was held on December 20, 2021, with former students Ms. Rashmi Gupta, Mr. Kulwant Xelxo, and Mr. Nityanand Singh joining the event. They engaged in enriching discussions with faculty and students about the latest technological trends shaping the industry today.



AZADI KA





अमृत महोत्सव Independence UNIVERSITY INSTITUTE OF TECHNOLOGY -CERTIFICATES WILL BE GIVEN RAJIV GANDHI PROLID<mark>yogiki vis</mark>hwavidhyai a

COORDINATORS : PROF. MANISH AHIRWAR

(+91) 9827439866 DR. AVINASH RAI

Online Quiz Competition "Contribution of Madhya Pradesh in Indian freedom struggle"

Occasion:75th Independence Day Celebration

University Institute of Technology (UIT), Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), Bhopal

Coordinators:

SISTRATION LINK FOR THE EVENT

os://forms.gle/7pZT7oca4ZR3

- 1. Dr. Manish Ahirwar (Department of Computer Science and Engineering, DOCSE)
- 2. Dr. Avinash Rai (Department of Electronics and Communication Engineering, DOECE)

To commemorate India's 75th Independence Day and promote patriotism and awareness among students and faculty members.

This online quiz competition aims to foster a sense of national pride and awareness about India's independence movement and its history.

