

MAY-JUNE 2023

# THE DEPARTMENT CHRONICLE

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



**SHRI  
RAMSWAROOP  
MEMORIAL  
UNIVERSITY**

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### OUR VISION

To build our students to be among the top technocrats in the country, reshaping society in a more modern way.

### OUR MISSION

To develop, circulate, and use computer science knowledge, including in interdisciplinary fields that broaden its application and benefit humanity; to teach students to be successful, moral, and effective problem-solvers and lifelong learners who will improve the economic well-being of our region and country and who are equipped to take on the challenging challenges of the 21st century.

# IN THIS EDITION

(COVERS ALL THE  
HIGHLIGHTS FROM  
THE MONTH OF SEPTEMBER)

—  
“THE ADVANCE OF TECHNOLOGY IS  
BASED ON MAKING IT FIT IN SO  
THAT YOU DON'T REALLY EVEN  
NOTICE IT, SO IT'S PART OF  
EVERYDAY LIFE.”  
BILL GATES, CO-FOUNDER OF  
MICROSOFT.  
—

- **OUR PATRONS**
- **FACULTY COLUMN**
- **STUDENT  
COORDINATORS**
- **PROGRAMS OFFERED BY  
THE DEPARTMENT**
- **NOVATHON FINALIST**
- **DEPARTMENT  
DECORATION**
- **STUDENT FELICITATION**
- **UMANG DAUD**
- **PATENTS**





# OUR PATRONS

DEDICATED TO THOSE SOULS  
WITHOUT WHOM WE WOULDN'T  
HAVE BEEN LIVING THE SAME SRMU  
LIFE.



**Shri Pankaj Agarwal**  
Hon. Chancellor



**Smt. Pooja Agarwal**  
Hon. Pro-Chancellor



**Prof. (Dr.) D. K. Sharma**  
Hon. Vice Chancellor

## CO-PATRON



**Dr. Neerja Jindal**  
Registrar

# FACULTY COLUMN



**DR. SATYA BHUSHAN**  
**HEAD OF DEPARTMENT(HOD)**  
**CSE DEPARTMENT**

**ER. VISHAL BHATT**  
**ASSISTANT PROFESSOR**



**ER. NITIN GOEL**  
**ASSISTANT PROFESSOR**



**ER. ANUPAM SINGH**  
**ASSISTANT PROFESSOR**





**ER. NEETA BHUSAL SHARMA**  
**ASSISTANT PROFESSOR**

**ER. NEELESH MISHRA**  
**ASSISTANT PROFESSOR**



**ER. NEERAJ KUMAR**  
**ASSISTANT PROFESSOR**

**ER. SUNNY KUMAR**  
**ASSISTANT PROFESSOR**





**ER. PRABHA SINGH**  
**ASSISTANT PROFESSOR**

**ER. BHANU DWIVEDI**  
**ASSISTANT PROFESSOR**



**ER. ADITYA PRATAP SINGH**  
**ASSISTANT PROFESSOR**

**ER. ARCHANA SINGH**  
**ASSISTANT PROFESSOR**





**MR. SHIVAM**  
**IBM SME**

**EMR. GUNJAN MISHRA**  
**Assistant Professor**



**ER. AVANTIKA**  
**ASSISTANT PROFESSOR**

**Ms. DIKSHA**  
**ASSISTANT PROFESSOR**





**Ms. Abhilasha**  
**Assistant Professor**

**Ms. ARPITA VISHWAKARMA**  
**ASSISTANT PROFESSOR**



**Mrs. Atifa Praveen**  
**Assistant Professor**





# **STUDENT CO-ORDINATORS**



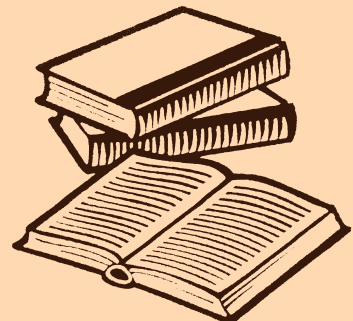
**PRAYORSHI MISHRA**  
**B.TECH (CSE)**  
**III YEAR**



**SHASHWAT SAHU**  
**B.TECH (CSE)**  
**III YEAR**



**AKANKSAH TIWARI**  
**B.TECH (CSE)**  
**III YEAR**



# **STUDENT CO-ORDINATORS**



**VAIBHAV PRATAP SINGH**  
**B.TECH (CSE)**  
**III YEAR**



**ELEEN VERMA**  
**B.TECH (CSE)**  
**III YEAR**



# **PROGRAMS OFFERED BY THE DEPARTMENT**

<b>COURSES</b>	<b>DURATION</b>
<b>B.TECH IN COMPUTER SCIENCE &amp; ENGINEERING</b>	<b>4 YEARS</b>
<b>B.TECH IN CSE IN CLOUD COMPUTING AND ARTIFICIAL INTELLIGENCE</b>	<b>4 YEARS</b>
<b>B.TECH IN CSE IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE</b>	<b>4 YEARS</b>
<b>B.TECH IN CSE IN CYBER SECURITY</b>	<b>4 YEARS</b>
<b>B.TECH IN CSE IN BLOCKCHAIN</b>	<b>4 YEARS</b>
<b>B.TECH IN COMPUTER SCIENCE &amp; ENGINEERING LATERAL ENTRY</b>	<b>3 YEARS</b>
<b>B.TECH + MBA IN COMPUTER ENGINEERING &amp; APPLICATIONS</b>	<b>5 YEARS</b>
<b>B.TECH + M.TECH IN COMPUTER ENGINEERING &amp; APPLICATIONS</b>	<b>5 YEARS</b>
<b>M.TECH IN COMPUTER SCIENCE &amp; ENGINEERING</b>	<b>2 YEARS</b>
<b>M.TECH IN COMPUTER SCIENCE &amp; ENGINEERING PART -TIME</b>	<b>3 YEARS</b>
<b>M.TECH IN DATA SCIENCE</b>	<b>2 YEARS</b>
<b>PHD COMPUTER SCIENCE &amp; ENGINEERING</b>	<b>3 YEARS</b>



# HIGHLIGHTS FROM THE MONTH OF MAY-JUNE

## INDUSTRIAL VISIT: INFOSEEK



- **ON MAY 15, 2023, SECOND-YEAR STUDENTS, ACCOMPANIED BY FACULTY MEMBERS ER. PRABHA SINGH AND ER.ARCHANA SINGH, EMBARKED ON AN INSIGHTFUL INDUSTRIAL VISIT TO INFOSEEK LOCATED IN LUCKNOW, UTTAR PRADESH, INDIA.**
- **THE VISIT AIMED TO BRIDGE THE GAP BETWEEN THEORETICAL KNOWLEDGE AND PRACTICAL APPLICATIONS BY PROVIDING STUDENTS WITH A FIRSHTHAND UNDERSTANDING OF THE INDUSTRY'S OPERATIONS. THE INTERACTION WITH EXPERIENCED PROFESSIONALS ALLOWED FOR VALUABLE INSIGHTS INTO INDUSTRY CHALLENGES AND STRATEGIES.**
- **INFOSEEK IS A RENOWNED MANUFACTURING ENTERPRISE KNOWN FOR ITS COMMITMENT TO EXCELLENCE AND CUSTOMER SATISFACTION. DURING THE VISIT, STUDENTS WERE GUIDED THROUGH VARIOUS DEPARTMENTS, WITNESSING ADVANCED TECHNOLOGIES, MANUFACTURING PROCESSES, QUALITY CONTROL MEASURES, AND LOGISTICAL OPERATIONS.**
- **THE INTERACTION WITH EXPERIENCED PROFESSIONALS ALLOWED FOR VALUABLE INSIGHTS INTO INDUSTRY CHALLENGES AND STRATEGIES. OVERALL, THE VISIT PROVED TO BE AN ENRICHING EXPERIENCE, BROADENING STUDENTS' PERSPECTIVES AND INSPIRING THEM TO EXCEL IN THEIR CHOSEN FIELDS. THE FACULTY MEMBERS EXPRESSED THEIR GRATITUDE TO INFOSEEK FOR THEIR SUPPORT AND COMMITMENT TO FOSTERING KNOWLEDGE-SHARING.**





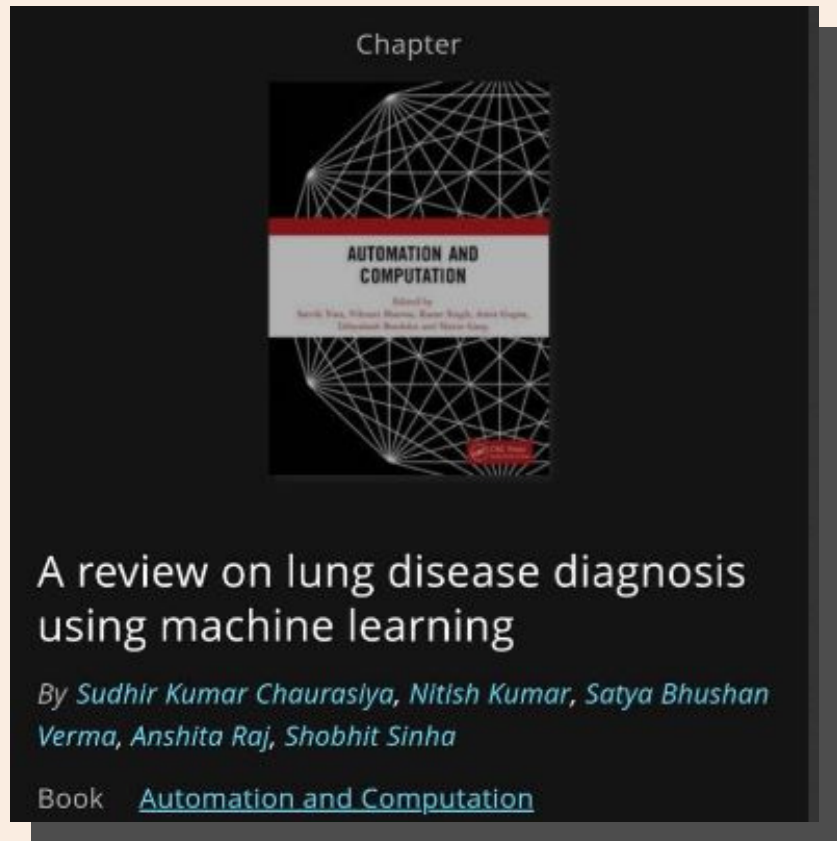
## An Innovative Approach for Securing Digital Audio Signals: Striking a Balance in the Magic Triangle



- In his paper published in the International Journal for Research in Applied Science & Engineering Technology (Volume 11, Issue V, May 2023), Mr. Neeraj Kumar presents an innovative and imperceptible technique for securing digital audio signals.
- The approach aims to strike a balance among the parameters of the Magic Triangle—imperceptibility, robustness, and capacity—ensuring secure audio transmission without compromising the original content's quality. This research holds promising implications for applications in secure communication, copyright protection, and data hiding.



# Machine Learning for Lung Disease Diagnosis: A Review in "Automation And Computation" by Dr. Satya Bhushan



- Dr. Satya Bhushan's book, "Automation And Computation" (1st edition), features a concise review on the application of machine learning in diagnosing lung diseases.
- The review explores the use of machine learning algorithms to analyze lung images, such as X-rays and CT scans, for accurate disease identification.
- This resource offers valuable insights for researchers and healthcare professionals interested in leveraging machine learning for improved lung disease diagnosis.



# Secure Color Image Encryption and Decryption Techniques:by Dr. Satya Bhushan



- Dr. Satya Bhushan's book, "Automation And Computation" (1st edition), presents an in-depth exploration of encryption and decryption techniques in optically transformed color images.
- The research delves into the principles of optical transformations and investigates various encryption algorithms to ensure robust security for color images. By examining the interplay between optical transformations and encryption, the book provides valuable insights for researchers and professionals working in the field of image security.
- This comprehensive study contributes to the advancement of image encryption methods and offers practical approaches for securing sensitive color image data.



## Embracing the Future



The students have organized a group photoshoot event on June 7th, 2023, where they will capture their friendship and shared experiences through creative photography and digital editing. As they prepare to embark on their professional paths, we extend our warmest wishes to these talented individuals for a bright and successful future.





## Advancing Applied Intelligence and Sustainable Computing: Highlights from ICAISC-2023



- Shri Dharmashala Manjunatheshwara College of Engineering and Technology organized the IEEE International Conference on Applied Intelligence and Sustainable Computing (ICAISC-2023) in Dharwad on 16th-17th June 2023.
- Dr. Satya Bhushan Verma was commended for their exceptional contribution as a REVIEWER, significantly enhancing the conference's quality and impact. ICAISC-2023 facilitated collaboration, knowledge exchange, and showcased the latest advancements in applied intelligence and sustainable computing, reinforcing the college's reputation as an influential institution in engineering and technology education.

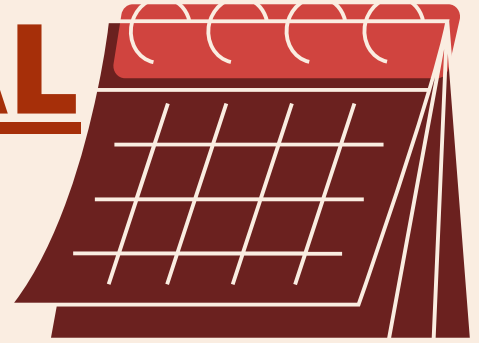


## Farewell to B.Tech CSE 4th Year Students



B.Tech CSE 4th year students bid farewell to their college days on May 31st, 2023, marking the end of an incredible journey. The farewell ceremony was filled with nostalgia and gratitude as students expressed their appreciation to faculty and staff members.

# DEPARTMENTAL CALENDAR



Department of Computer Science & Engineering and Department of Computer Science Information Systems (CSE and DCSIS) **ACTIVITY PLANNER 2022-23**

Date	July	August	September	October	November	December	January	February	March	April	May	June
1	Load Chart	Class Commencement	New Students Induction Programme/Internal Test-I	Internal Test-II	Internal Test-III	End Term Examination (Theory & Practical)	Sunday					End Term Examination (Theory & Practical)
2	FDP	Registration	New Students Induction Programme/Internal Test-I	Sunday				Result Moderation/Time Table/End Term Examination				Sunday
3	Sunday	Registration	New Students Induction Programme/Internal Test-I	SRAC/TA-1(First Year)			Result/FDP					
4	IT/IT	Daily Attendance	Sunday	SRAC		Sunday	Result/FDP					Sunday
5	FDP	Daily Attendance	Placement Meeting				FDP/Course Plan/End Term Examination	Sunday	Sunday			
6	FDP New VC Brochure	Meeting with new faculty	TA-1		Sunday		FDP/Course Plan/End Term Examination					End Term Examination (Theory & Practical)
7	FDP New VC Brochure	Sunday	VAC Brochure	CC Mark	Electives Report/2nd IT(First Year)	End Term Examination (Theory & Practical)/IT-3 First Year	FDP/Course Plan/End Term Examination				Sunday	
8	FDP New VC Brochure	Workshop Brochure	VAC Registration	Review Meeting /Dharohar	National Conference/2nd IT(First Year)		Sunday		Holi Break			
9	Library Books		CC Mark	Sunday	Conference/2nd IT(First Year)		new session/End Term Examination			Sunday		
10	Sunday	Student Faculty Achievements	Guest Lecture	Release Conference Brochure	Student Faculty Achievements/2nd IT(First Year)	Sunday	End Term Examination (Practical & Theory) First Year				End Term Examination (Theory & Practical)	
11	Infra Follow Up		Sunday	Student Faculty Achievements	CC Mark	Sunday	End Term Examination (Practical & Theory) First Year					Sunday
12	Faculty Interviews	Mass Bank Report	Student Faculty Achievements	Feedback	Dept Meeting/2nd IT(First Year)		Examination (Practical & Theory)	Sunday	Sunday			
13	Faculty Interviews	Fee Defaulter Notification	Value Added Course	Feedback	Sunday		End Term Examination (Practical & Theory) First Year					
14	Result Moderation	Sunday	Value Added Course/Class Commencement First Year	Industry Visit	Remedial Classes/Fee Defaulters	End Term Examination (Theory & Practical)	End Term Examination (Practical & Theory) First Year				Sunday	
15	Result Moderation		Value Added Course/Class Commencement First Year	Industry Visit	Remedial Classes		Sunday					
16	ERP Tagging/Dharohar	SRMU Connect	Value Added Course	Sunday	Remedial Classes			Internal Test-I	Internal Test-II	Sunday		
17	Sunday	Workshop Reporting Students/SRMU Connect	VAC/Non Reporting Students/Last Date Academic Registration in The Department	Elective Choice Filling	Lab Outz	End Term Examination (Theory & Practical)/Finalization					End Term Examination (Theory & Practical)	
18	Summer Break	SRMU Connect	Fee Defaulter Notification	TA-3/Feedback	Lab Outz/Finalization of Internal Evaluation	Sunday						Sunday
19	Summer Break	SRMU Connect	Fee Defaulter Notification	TA-3/Feedback	Lab Outz/Internal Finalization	End Term Examination (Theory & Practical)/First Year		Sunday	Survey	Internal Test-III		
20	Summer Break	IT-1 Schedule/SRMU Connect	Mass Bank Report	Lab Monitoring	Sunday	End Term Examination (Theory & Practical)/First Year		Internal Test-I				
21	Summer Break	Sunday	TA-2/Lab Monitoring	Class Coordinator Meeting		End Term Examination (Theory & Practical)/First Year					Sunday	
22	Summer Break	Fee Defaulter Notification/SRMU Connect	Conference Plan Approval	Placement Meeting		Evaluation	Sunday				Summer Break	
23	Summer Break	Class Coordinator Meeting/SRMU Connect	IT Question papers	Sunday	End Term Examination (Theory & Practical)	MGP/ faculty Interviews/End Term				Sunday		
24	Sunday	TA-1/Lab Monitoring/SRMU Connect	Dept Meeting/First Notification to the Non-Reporting Students			MGPA				Internal Test-III	End Term Examination (Theory & Practical)	
25	Time-Table	IT Question papers/SRMU Connect	Sunday			Sunday					Sunday	
26	Infra Follow Up	Dept Meeting/SRMU Connect							Sunday	Sunday		Summer Break
27	Course Files	SRMU Connect		Fee Defaulter Notification	Sunday		Declaration of Result First Year					
28	Course Plans	Sunday	Internal Test-II	Remedial Class							Sunday	
29	Committees			IT Question papers	End Term Examination (Theory & Practical)/TA-3(First Year)							End Term Examination (Theory & Practical)
30	Dept Meeting	Internal Test-I		Sunday						Sunday		

"I'm so organized. I never screw up. I've done it maybe twice before. I check my calendar seven times a day."

- Anna Paquin