

MARCH-APRIL 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



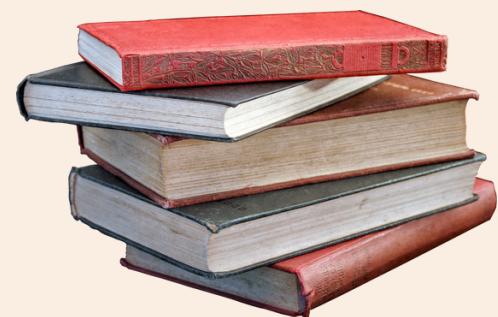
**DR. SATYA BHUSHAN  
HEAD OF DEPARTMENT(HOD)  
CSE DEPARTMENT**

**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**



# **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**



**EILEEN 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 MARCH-APRIL

## INDUSTRIAL VISIT: INFOSEEK



- ON MAY 15, 2023, SECOND-YEAR STUDENTS, ACCCOMPANIED 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 FIRSTHAND 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.





# Advancing Biometrics: Dr. Satya Bhushan Verma Explores Generative Adversarial Network (GAN) Applications



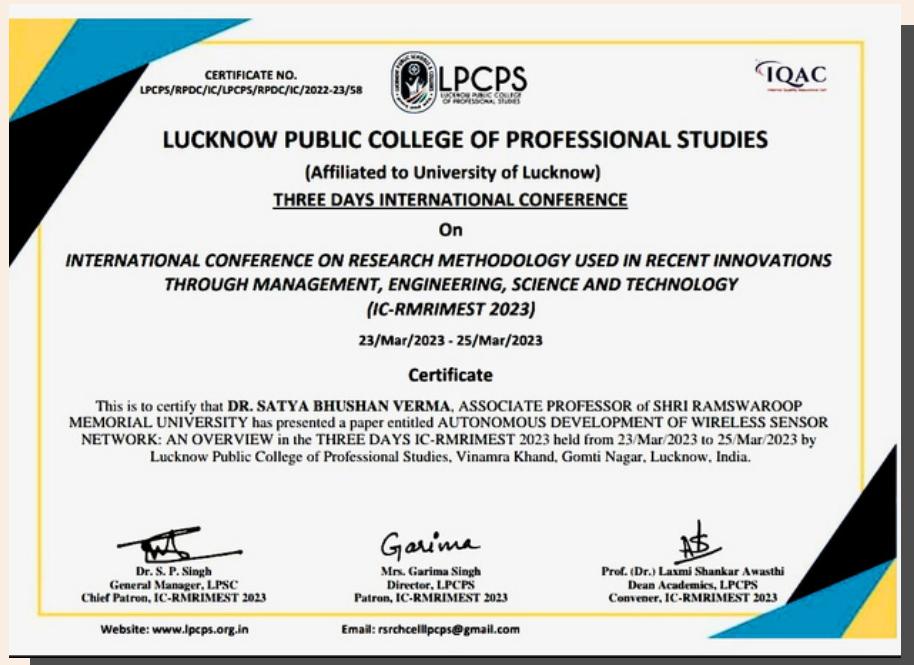
- We are pleased to extend our heartfelt congratulations to Dr. Satya Bhushan Verma, Associate Professor of Shri Ramswaroop Memorial University, on being awarded certificate for his exceptional research work at the International Conference on Research Methodology Used in Recent Innovations through Management, Engineering, Science and Technology (IC-RMRIMEST 2023), held from 23/Mar/2023 to 25/Mar/2023 by Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow, India.
- The certificate acknowledges Dr. Verma's contribution to the field of biometrics. The paper he presented, titled "Generative Adversarial Network in Biometrics: An Overview," provided valuable insights into the applications of Generative Adversarial Network (GAN) in the biometrics domain.
- We are proud to have such a distinguished academic in our midst, whose research has brought international recognition and acclaim to our institution. Dr. Verma's passion for research and his contributions to the field of computer science and engineering are truly inspiring. We wish him continued success in all his future endeavors.



# Dr. Satya Bhushan Verma's

## Groundbreaking Work in

## Wireless Sensor Networks



- We would like to congratulate Dr. Satya Bhushan Verma, Associate Professor at Shri Ramswaroop Memorial University, for his outstanding research work at the International Conference on Research Methodology Used in Recent Innovations through Management, Engineering, Science and Technology (IC-RMRIMEST 2023). The conference was held from March 23 to March 25, 2023, at Lucknow Public College of Professional Studies, Vinamra Khand, Gomti Nagar, Lucknow, India.
- The certificate recognizes Dr. Verma's groundbreaking work in wireless sensor networks. He presented a paper titled "Autonomous Development of Wireless Sensor Network: An Overview," which highlighted the potential of autonomous systems in improving the capabilities of wireless sensor networks.
- We wish him continued success in all his future endeavors.

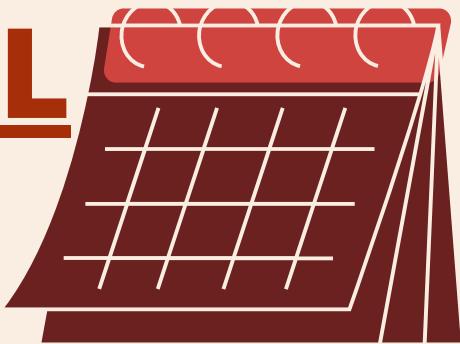


# Workshop:- USE OF COMPUTING IN SATELLITE Techniques



- A workshop on the use of computing in satellite technology was conducted in the mini-auditorium of the admin block. The workshop was led by Dr. Arvind Kr. Singh, a renowned expert in the field of satellite technology. The attendees of the workshop were faculties of CSIS/CSE, B.Tech 3rd year CSE students, and BCA/B.Sc(IT) 2nd year(CSIS) students.
- The faculty coordinators for the event were Er. Anshita Raj(DCSIS) and Er. Aishwarya Kumar(DCSE), who played a crucial role in organizing and executing the workshop. The student coordinators for the event were Shreya Puri, a BCA(DS) 2nd-year student, and Eileen Verma, a B.Tech(CS) 3rd-year student. The workshop aimed to impart knowledge on the use of computing in satellite technology and how it is revolutionizing the way we perceive space technology.
- Dr. Singh shared his insights on the advancements in the field of satellite technology, the various applications of satellites, and how computing is used to analyze and interpret the data obtained from these satellites.
- The workshop was an excellent platform for students and faculty members to gain a deeper understanding of the subject and interact with an expert in the field. Overall, it was an informative and insightful workshop that helped attendees gain a new perspective on the use of computing in satellite technology.

# DEPARTMENTAL CALENDAR



| 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    | L2P1                 | Daily Attendance                             | Sunday   | SRAC                        |   |  | Result /FDP  |                   |        |        |     |   |
| 5    | FDP                  | Daily Attendance                             | Placement Meeting  | VAC Brochure                | CC Mark                                   | Electives Report/ 2nd IT(First Year)                       | FDP/Course Internal 1st Term Examination             | Sunday            | Sunday |        |     | End Term Examination (Theory & Practical) |
| 6    | FDP New VC Brochures | Meeting with new faculties                   | TA-1   |                             |   |  | FDP/Course Plan/End Term Examination                 |                   |        |        |     |   |
| 7    | FDP New VC Brochures | Sunday                                       | VAC Brochure   |                             |   |  | FDP/Course Plan/End Term Examination                 |                   |        |        |     |   |
| 8    | FDP New VC Brochures | Workshop Brochure                            | VAC Registration   | Review Meeting /Dharohar    |   |  | Sunday   | Holl Break        | Sunday |        |     |   |
| 9    | Library Books        |  | CC Mark  | Sunday                      | Student Faculty Achievements              | Guest Lecture  | Internal Test-IV                                     |                   |        |        |     | End Term Examination (Theory & Practical) |
| 10   | Sunday               | Student Faculty Achievements                 | Guest Lecture  | Release Conference Brochure |   |  | Student Faculty Achievements/2nd IT(First Year)      |                   |        |        |     |   |
| 11   | Infra Follow Up      |  |  | Sunday                      |   |  | CC Mark  |                   |        |        |     |   |
| 12   | Faculty Interviews   | Mass Bunk Report                             | Student Faculty Achievements   | Feedback                    |   |  | End Term Examination (Practical & Theory) First Year |                   |        |        |     |   |
| 13   | Faculty Interviews   | Fee Defaulter Notification                   | Value Added Course   | Feedback                    | Industry Visit                            | Remedial Classes/Fee Defaulters                            | Examination (Practical & Theory)                     | Sunday            | Sunday |        |     | End Term Examination (Theory & Practical) |
| 14   | Result Moderation    | Sunday                                       | Value Added Course   | Feedback                    |   |  | End Term Examination (Practical & Theory) First Year |                   |        |        |     |   |
| 15   | Result Moderation    | Industry Visit                               | Value Added Course/Class Commencement First Year                             | Industry Visit              |   |  | Sunday   |                   |        |        |     |   |
| 16   | ERP Tagging/Dharohar | SRMU Connect                                 | Value Added Course   | Sunday                      |   |  | Internal Test-I                                      | Internal Test-II  | Sunday |        |     |   |
| 17   | Sunday               | Workshop/Non Reporting Students/SRMU Connect | VAU Non Reporting Students/Last Date Academic Registration in The Department | Elective Choice Filling     | Lab Quiz                                  | End Term Examination (Theory & Practical)/Finalization     | Internal Test-II                                     |                   |        |        |     | End Term Examination (Theory & Practical) |
| 18   | Summer Break         | SRMU Connect                                 | Sunday   | Conference Plan             |   |  | Sunday   |                   |        |        |     |   |
| 19   | Summer Break         | SRMU Connect                                 | Fee Defaulter Notification   | TA-3/Feedback               |   |  | Sunday   |                   |        |        |     |   |
| 20   | Summer Break         | IT-1 Schedule/SRMU Connect                   | Mass Bunk Report   | Lab Monitoring              |   |  | Internal Test-I                                      |                   |        |        |     |   |
| 21   | Summer Break         | Sunday                                       | TA-2/Lab Monitoring  | Class Coordinator Meeting   | End Term Examination (Theory & Practical) | Evaluation/Class/End Term Examination (Theory & Practical) | Sunday   | Internal Test-III | Sunday |        |     | Summer Break                              |
| 22   | Summer Break         | Fee Defaulter Notification/SRMU Connect      | Conference Plan Approval   | Placement Meeting           |   |  | Sunday   |                   |        |        |     |   |
| 23   | Summer Break         | Class Coordinator Meeting/SRMU Connect       | IT Question papers   | Sunday                      |   |  | Sunday   |                   |        |        |     |   |
| 24   | Sunday               | TA-1/Lab Monitoring/SRMU Connect             | Dept Meeting/First Notification to the Non-Reporting Students                | Final Exam                  |   |  | Sunday   |                   |        |        |     |   |
| 25   | Time-Table           | IT Question papers/SRMU Connect              | Sunday   | Final Exam                  | Declaration of Result First Year          | MGPA/AVG/ABCD Interviews/End Term                          | Sunday   | Internal Test-III | Sunday |        |     | End Term Examination (Theory & Practical) |
| 26   | Infra Follow Up      | Dept Meeting/SRMU Connect                    |  |                             |   |  | Sunday   |                   |        |        |     |   |
| 27   | Course Files         | SRMU Connect                                 |  |                             |   |  | Sunday   |                   |        |        |     |   |
| 28   | Course Plans         | Sunday                                       |  |                             |   |  | Sunday   |                   |        |        |     |   |
| 29   | Committees           |  |  |                             | Sunday                                    | End Term Examination (Theory & Practical)/TA-3(First Year) | Sunday   | Sunday            | Sunday |        |     | End Term Examination (Theory & Practical) |
| 30   | Dept Meeting         |  |  |                             |   |  | Sunday   |                   |        |        |     |   |
|      |                      |  |  |                             |   |  | 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