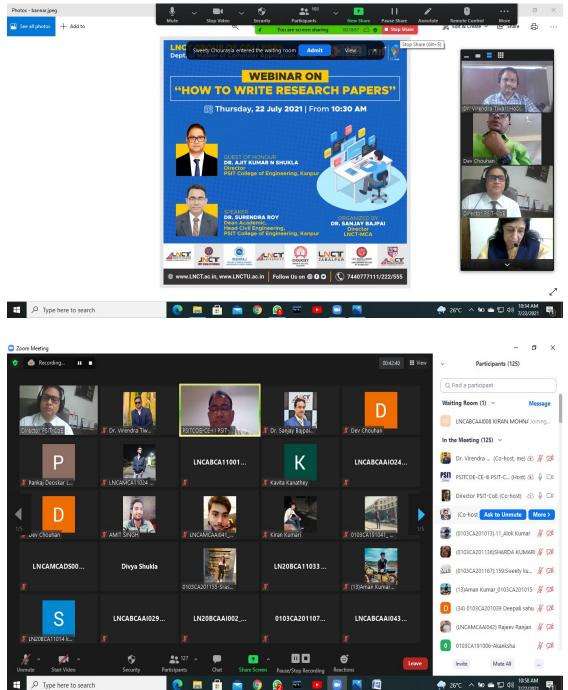
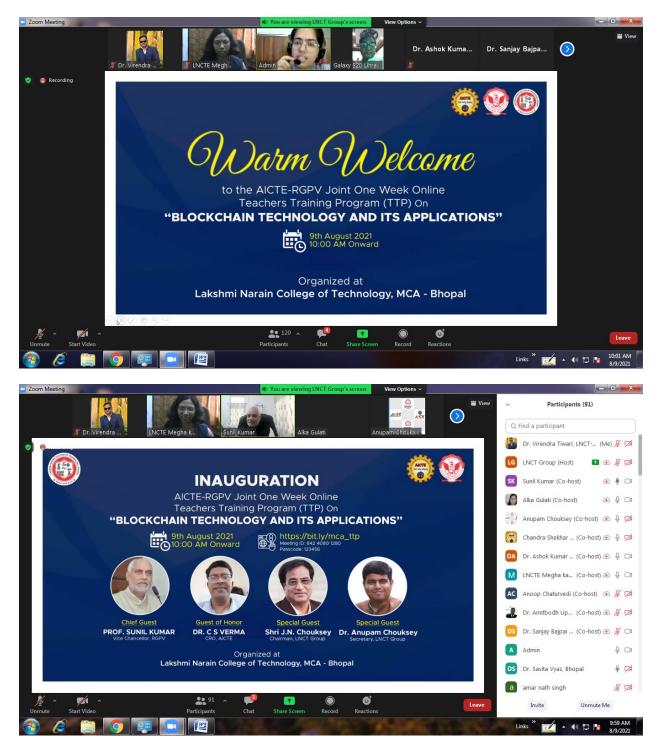
Session: Jul-Dec 2021

 Webinar on "How to write Research Papers" on 22-07-2021. Speakers: Dr. Ajit Kumar N Shukla (Director, PSIT College of Engineering, Kanpur), Dr. Surendra Roy (Dean Academics and Head Civil Deptt, PSIT College of Engineering, Kanpur).



2. One Week Technical Teachers Program on "Blockchain Technology and its Applications" conducted from 9 – 14 August, 2021 sponsored by AICTE-RGPV.





3. Hindi Diwas Celebration on 14-09-2021





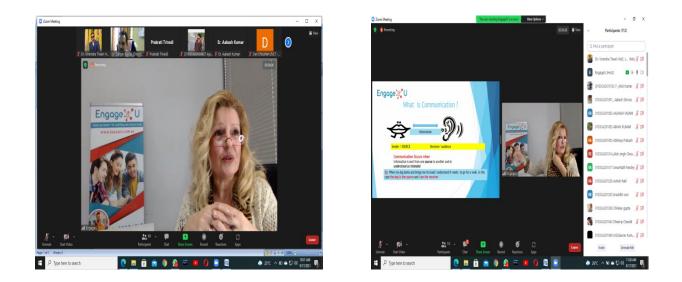




4. Webinar on Employability and Communication Skills on 17-09-2021. Speaker: Emma Louloudis, English Trainer | ESL Academic Expert, Former Lecturer (University of South Australia & Adelaide Institute of Business and Technology), AUSTRALIA.







Expert Talk on "Career Guidance and Prospects of Deveops in IT Field" by Alumni Mr. Ashhar Parwez (AWS DevOps Engineer) o 16-10-2021.

5. Webinar on "How Web Development is Collaborating with Emerging Technologies (Selenium, RPA, ML, Testing, Cloud)" by Mr. Prakhar Gupta (CEO, Hexaas Technologies) on 21-12-2021.

6. Dr. Kavita Kanathey got patent on A COST EFFECTIVE HUMAN CHAKRA HEALING SYSTEM BASED ON ACUPRESSURE TECHNIQUES PROCESSED THROUGH ARTIFICIAL INTELLIGENCE ALGORITHMS AND SOFTWARE on 01-12-2021 by Australian Government. **Patent number: 2021106945.**

7. Dr. Alka Gulati got patent on A COST EFFECTIVE HUMAN CHAKRA HEALING SYSTEM BASED ON ACUPRESSURE TECHNIQUES PROCESSED THROUGH ARTIFICIAL INTELLIGENCE ALGORITHMS AND SOFTWARE on 01-12-2021 by Australian Government. **Patent number: 2021106945.**

8. Dr. Jayanti Mehra got patent on ENHANCED CYBERSECURITY SYSTEM FOR DATA COMMUNICATION TO SECURE IOT DEVICES. Application No. 202141051872 A, Publication Date : 26/11/2021.

9. Prof. Prem Narayan Arya and Prof. Shilpa Jaiswar got patent on An Artificial Intelligence and Machine Learning based Automated System for Biological Data, Application Number: 202121054610, Publication Date: 12/12/2021.

10. Prof. Dharmendra Dangi got patent on Method and Apparatus for Competitive Advantages of Data Science Tools by Australian Government, Application Number: 2021103678, Date of Publication: 28/06/2021.

11. Quiz on Indian Culture & Heritage is organized on 8-1-2022. Event is coordinated by Prof. Shilpa Jaiswar and total 127 students participated in the event.





12. Quiz on Programming Skills in 'C' Language is organized on 15-1-2022. Event is organized by Prof. Dharmendra Dangi & Dr. Kavita Kanathey and total 172 students participated in the competition.





13. Extempore is organized on 22-1-2022. Programme is coordinated by Prof. Sonal Sharma & Prof. Prakrati Trivedi and 91 students participated in the event.



14. Prof. Priyanka Singh got Copyright on *Machine Learning based Intrusion Identification Methodology Implemented with Artificial Intelligence and BlockChain*. Application Number: 1188065 Date of Registration: 10/11/2021, Date of Publication: 04/01/2022.



Online Talk on "Reactive Web APP development" by Alumni Mr. Radheshyam Jhare (Software Developer) on 19-02-2022

15. Technical paper presentation is organized on 19-2-2022. Programme is coordinated by Prof. Dev Chouhan & Prof. Atul Tiwari and 87 students participated in the event.

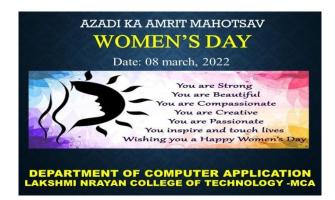


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1. International Women Day is celebrated in MCA on 08-03-2022. On this occasion, speeches and game playing is organized.







2. BCA students of Government Autonomous Girls's PG College, Sagar (MP) visited the MCA Deptt on 14-03-2022. Expert lectures and visit of college premises is organized for them.

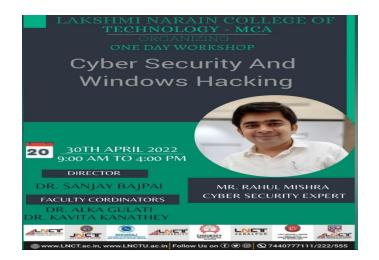
3. Seminar on "Web Design & Development using HTML, CSS and Javascript is organized on 24-04-2022. Speaker:- Mr. Harsh Sharma, Founder of Sheryians Community Ltd. Bhopal.



4. Seminar on "Cyber Security and Windows Hacking:" is organized on 28-04-2022. Speaker:- Mr. Rahul Mishra, Cyber Security Expert, (Innovative Ideas Info-Tech) and cyber advisor to UP Police.



5. One Day workshop is organized on Cyber Security and Windows Hacking on 30-04-2022 by Mr. Rahul Mishra, Cyber Security Expert, (Innovative Ideas Info-Tech) and cyber advisor to UP Police.







6. Industrial Visit at CRISP on 17-5-2022





7. One day Seminar is organized on JAVA Interfaces, Classes and Web Development on 10-06-2022 (Friday). Keynote speaker is **Mr. Shailesh Pawar**, Project Manager, Ypsilon IT Solutions Pvt. Ltd., Indore.







8. Seminar on Digital Banking and Financial Inclusion with India Post Payment Bank, GOI for Internship on 18-06-2022. Keynote speakers: Mr. Pankaj Rai, Madhya Pradesh Circle Officer, India Post Payment Bank, DOP, INDIA and Mr. Mohit Manocha, Sr. Branch Manager, India Post Payment Bank, DOP, INDIA.









Master in Computer Applications (MCA) - Vision and Mission

I.5. Mission and Vision of the Institution:

Vision

To be a premier institute where globally competent computer professionals, innovators, and entrepreneurs are evolved with patriotism and nurtured ethical values.

Mission

- To offer high-grade, value-based Post-graduate Programmes in the field of Computer Applications.
- To improve continually in the teaching-learning process by strengthening infrastructural facilities and faculty credentials.
- To provide conducive environment to achieve excellence in teaching-learning, and research & development activities.
- To enhance proportion of skilled based courses beyond curriculum to create more employable post-graduates.
- To provide appropriate forums to develop innovative talents, practice ethical values and inculcate as enduring learners.

Master in Computer Applications (MCA) - Programme Outcomes (POs) On

completion of MCA Course, the Post-Graduates will be able to:

PROGRAMME OUTCOMES	
PO-1	Apply the knowledge of computing fundamentals, computing models, and mathematics to real life applications.
PO-2	Design and develop models to analyze and solve computer science related problems using principles of mathematics and computing sciences.
PO-3	Design and develop applications and/or system components for any desired needs with appropriate considerations for societal and environmental aspects.
PO-4	Analyze and review research based knowledge and experiments to invoke the research skills to design, interpret and conclude from the resulting data.
PO-5	Create, adapt, and apply modern computing tools efficiently to computer applications with the understanding of limitations.
PO-6	Work and solve problems with a professional context pertaining to ethics, social, and cyber regulations.
PO-7	Involve in perpetual learning for a continued career development and progress as a computer professional.
PO-8	Act efficiently both as a team leader and team member on multi-disciplinary projects to demonstrate knowledge and understanding of computing and management skills.
PO-9	Communicate and present technical information effectively in oral and written reports to computing community.
PO-10	Utilize computing knowledge efficiently in projects and professional computing practices with the concern for societal, environmental, and cultural aspects in local and global contexts.
PO-11	Function competently as an individual, and as a member or leader in multidisciplinary projects.
PO-12	Create and design innovative methodologies to solve problems, and apply inherent skills as an entrepreneur to create value and wealth for the betterment of the individual and society.

Master in Computer Applications (MCA)

Program Educational Objectives (PEOs)

- **PEO-1:** To evolve post-graduates having a strong background of algorithm designs, database creations, programming concepts and ability to use in applications.
- **PEO-2:** To evolve post-graduates who can demonstrate technical competence in the field of computer applications and develop solutions to the complex problems.
- **PEO-3:** To evolve post-graduates having professional competence through lifelong learning such as advanced degrees, professional skills and other activities related globally to computer applications & society.
- **PEO-4:** To evolve post-graduates who function effectively in a multidisciplinary environment and individually, within a societal and environmental context.
- **PEO-5:** To evolve post-graduates who would be able to take individual responsibility and work as a part of a team towards the fulfillment of both individual and organizational goals.