



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE

Department of Computer Science & Engineering

Academic Year
— 2021-2022 —





VISION OF THE INSTITUTE : To become a pioneer institute in technical education and innovations to build competent technocrats and leaders for the nation.

MISSION OF THE INSTITUTE:

M1. To enhance the academic environment with innovative teaching learning processes and modern tools.

M2. To Practice and nurture high standards of human values, transparency and accountability.

M3. To Collaborate with other academic and research institutes as well as industries in order to strengthen education and research.

M4. To uphold skill development for employability and entrepreneurship for interdisciplinary research and innovations.



VISION OF THE DEPARTMENT

To be a centre of excellence for providing quality technical education to develop future leaders with the aspects of research & computing, Software product development and entrepreneurship.

MISSION OF THE DEPARTMENT

M1: To offer academic programme with state of art curriculum having flexibility for accommodating the latest developments in the areas of Computer science engineering

M2: To conduct research and development activities in contemporary and emerging areas of computer science & engineering.

M3: To inculcate moral values & entrepreneurial skills to produce professionals capable of providing socially relevant and sustainable solutions.



PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Evolve as globally competent computer professionals, researchers and entrepreneurs possessing collaborative and leadership skills, for developing innovative solutions in multidisciplinary domains.

PEO2: Excel as socially committed computer engineers having mutual respect, effective communication skills, high ethical values and empathy for the needs of society.

PEO3: Involve in lifelong learning to foster the sustainable development in the emerging areas of technology.



PROGRAM SPECIFIC OUTCOMES (PSOs)

PSOs: A graduate of Computer Science and Engineering Program will develop

PSO1: An ability to apply technical knowledge of computer science and engineering fundamentals to become employable in industry.

PSO2: An ability to develop programming skills using modern software tools and techniques.

PSO3: An ability to develop real time projects for problem solving of domains such as Machine Learning, Cyber security , block chain and big data

PSO4: An ability to grab research, higher studies and entrepreneurship opportunities towards society with moral values and ethics.

2021-2022 Department of CSE LNCT Excellence

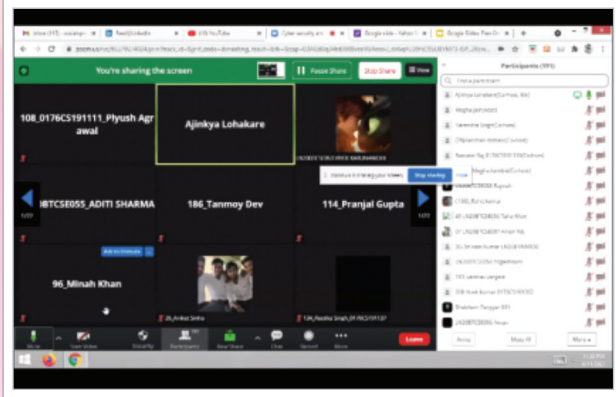
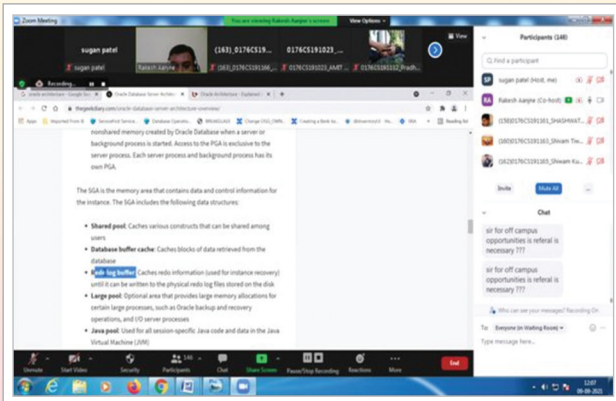
Webinars

1. LNCTE CSE organized webinar on "HOW TO MAKE EFFECTIVE POWER POINT PRESENTATION", on 12th Sept. 2021. The skills are demonstrated by the technical expert Austin Kuriakose..Coordinator of the program were Prof. Megha Jain , Prof. Sitaram Patel, Prof.Vineeta Shrivastava. 78 students participated in the webinar.
2. CYBER SECURITY AND BLOCKCHAIN SECURITY (Digital Battle) Webinar conducted on 12th Nov. 2021 , BY- Cyberguru Ajinkya Lohakare –Certified Ethical Hacker, CTO and Founder , Social Spectra and Dreamsofts. Ajinkya Lohakare is a computer security expert and a Podcaster, who assisted law enforcement in Bangladesh, India, Sri Lanka and various parts of Asia since 2015 on Cyber security cases, advising government on Cyber-crimes.
 - Ajinkya Lohakare has delivered talks at general interest events such as JOSH TALKS, TEDX, VEDH TALKS and Data security events.
3. Webinar on NEP 2020 Dated 4/08/2021, by Dr.Manoj Kr Deshpande, director, Prestige PIEMR Indore on the theme " Youth Empowerment and Sports Development"
4. Webinar on" introduction of Microsoft Azure and Hosting a WordPress Website on Azure" by Gajendra singh thakur Microsoft learn Ambassador dated 18/08/2021

Industry Academia Talk

- Industry Talk :Session Topic: Future in Oracle Database Technology: discussion covered: Introduction of Oracle database 12c and 19c, Oracle Real Application Clusters, Oracle Physical Standby, Oracle Golden gate Replication, Use of Shell and Python in Oracle.
By Er.Rakesh Aanjane, Oracle certified Professional and Expert, Working as DB administrator, Barclays Pune. Session held on 9th Sept 21, 157 student, 5th sem attended session.





EXPERT LECTURE ON Future in Oracle Database Technology



9th September 2021
10:30 AM Onwards
<https://bit.ly/3zPTBNA>
Meeting ID: 867 6771 3001
Passcode: 12345



Er. Rakesh Aanjne
Oracle Certified Professional
(DB 11g Administrator),
Oracle Certified expert
(11g Real Application Clusters)
Barclays Pune

Organized by:
LNCTE CSE

Coordinator : Dr. Megha Kamble, Sugan Patel, LNCTE CSE



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Student Interaction Programs

- Department of CSE, Lakshmi Narain College of Technology Excellence Bhopal was organized student interaction program by senior student of the institute on 9th and 15th February 2022 on "How to start competitive coding & development. 100 students participated.
- ALumni talk, Aditya Mandil Batch 2021 passout, interacted with students to share tips for placement preparation. Session conducted on 29th August 2021. 79 students attended session.



SOFTWARE DEVELOPER

ADITYA MANDIL

PLACED IN 7 COMPANIES
CURRENTLY WORKING IN TCS DIGITAL

SMART INDIA
HACKATHON
WINNER

RUNNER UP OF
ASEAN-INDIA
INTERNATIONAL
HACKATHON

PUBLISHED 2
RESEARCH PAPERS
AND 2
COPYRIGHTS

- Er. Vishal Jain, CEO Samatrix Consultancy pvt Ltd. Gurgaon delivered the guest lecture on machine learning to 6th sem student.

Webinar on:
"Effect of NEP on Youth empowerment and sports development" in perspective to NEP 2020

Speaker:
Dr. Manoj Kumar Deshpande
 Director, Prestige PIEMR Indore MP India

4 Aug 2021
TIME- 3:00 PM

Link: <https://us06web.zoom.us/j/89081788143?pwd=TG1PZjZlPSVWpWpYRjFoVzVlVUdubnMSZz09>
 Meeting ID: 890 8178 8143 Passcode: 12345

Coordinators:
 Dr. Megha Kamble HOD CSE LNCTE
 Harendra Singh Asst Prof. CSE LNCTE

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Webinar on
Effect of NEP 2020 on Youth Empowerment and Sports Development

Celebrating One Year of NEP 2020
 Week Long Theme based Webinar Series

by LNCTE, Bhopal, MP

COMPILED & PRESENTED BY
DR.MANOJKUMAR DESHPANDE
 DIRECTOR,
 PRESTIGE-PIEMR, INDORE,MP

Webinar on
Effect of NEP 2020 on Youth Empowerment and Sports Development

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 DIRECTOR,
 PRESTIGE-PIEMR, INDORE,MP

Microsoft Learn Student Ambassadors

Introduction to Microsoft Azure and Hosting a WordPress Website on Azure

Hosted By:-
 Gajendra Singh Thakur
 Alpha Microsoft Learn Student Ambassador
 3rd Year, (CSE) LNCTE

Save the date:-
 18th August 2021 (Wednesday)
 At 10:30 AM IST

Meeting now

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. [Espace policy](#)

Participants

GAJENDRA THAKUR

Meeting now

01:09:22


Request control

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. [Privacy policy](#)

Dismiss

Microsoft Learn Student Ambassadors

Virtual Network



Many components operate the virtual machines in a scalable & secured manner. Virtual networks could include equipment's such as separate network space for internet facing and back-end servers, load balancers, firewalls and more. Many of these components are deployed into an **Azure** Virtual network. **Azure** Virtual network provides as many features such as subnet, IP Address, Load Balancers & Network Security groups.

Meeting chat

Rishita Srivastava 10:39 2
All the best GAJENDRA THAKUR and Dishita Bhasin 🙌🙌🙌

GAJENDRA THAKUR 10:40 2
Thanks 😊 Rishita Srivastava & welcome 😊

Rohan Sharma 10:53 1
good going guys 😊

10:54 1
Thanks Rohan Sharma !

Aditya Kumar 10:54 1
Rohan Sharma good morning classes 😊

10:56 1
Lol

GAJENDRA THAKUR

+49 NP AC 0 DC

0176CD201024 - Iffat ... (0176CD201055)Shaily... Dr. Pradeep Chouksey... GAJENDRA THAKUR

Type a new message



LNCT EXCELLENCE, BHOPAL

LIVE SPEAKER




A WEBINAR ON DATA SCIENCE : AN OVERVIEW

Dr. Yachana Bhawsar,
Govt. Women's Polytechnic, Bhopal

19th Feb 2022
3:15PM-4PM

For B.Tech First Year

COORDINATOR



Dr. Megha Kamble
HOD, Dept. of CSE,
LNCTE, Bhopal

Competitions

#400th Prakash Parv Guru tegbahadur ji intra departmental Essay competition held on 17th April on the topic " Life story of Guru tegbahadur. Best 5 entries forwarded to AICTE.

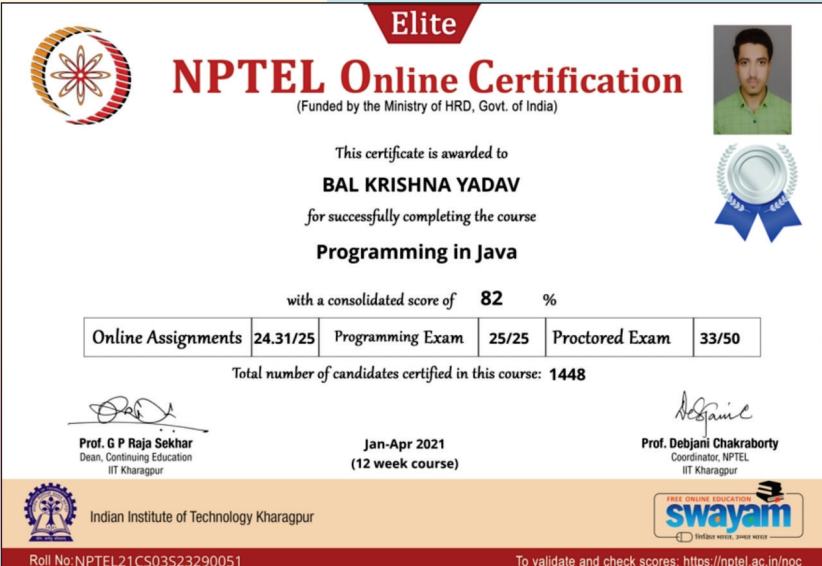
#2 best entries of students , Kanak Sharma and Kanchan Vidhani 5th semester are submitted TIFAC-technology thinktank (under DST) as part of Nationwide celebrations of Azadi ka Amrit Mahotsav, on 9th sept 2021.

Student Achievements

- **Asian - India Hackathon -2020** : one of our student Aditya Mandil (CSE, LNCTE) & his team (Team 19) got runner position & 1500 USD in ASEAN-INDIA Hackathon, which was conducted on 01- 03 Feb 2021 between 10 ASEAN countries. Aditya has represented INDIA, all other five members have been from Singapore, Vietnam, Lao PDR & Brunei respectively. Aditya Mandil is also a team member of "RUBIX-6" who got the First position in "Grand Finale – 2020" of Smart India Hackathon (Software Edition)
- **GOGO Assistant:** Virtual Voice assistant Project (Team leader: Pratish Shrivastav) has selected for Final National Round of AICTE Chhatra Vishwakarma Award (CVA final round), and presented the project online on 27th May 2021. The project will be published in AICTE CVA Booklet.
- Binary Bombers (Team leader: Pratish Shrivastav) under mentorship of Ashish Chaturvedi win the first prize in SIH, Hardware Edition.
- 4th semester CSE student Falashwini Sherke received Surprise Microsoft Award (Pen and Diary with Microsoft LOGO) for her achievement in Microsoft AI assessment.
- 100 Students participating in Cognizant Digital Nurture Internship and 23 second year students cleared Futureskills Wipro talent Test
- Lncte cse department 130 students (3rd and 5th SEM) completed certification of CISCO Internship.
- Shivajirao kadam Institute of Technology and Management Indore has conducted an Innovative software project competition namely PRO- BUZZ (National Level) which is a talent based competition where each group can showcase their Innovativeness and creativity. LNCTE CSE STUDENTS TEAM grab the First Prize.
- LNCTE CSE Second year student team Alpha_bits, Indian Xplorer team leader, Madhavan Phadtare, mentored Megha Jain, presented and participated in Grand Finale Toycathon 2021



Bal Krishna Yadav
student in CSE - 7th sem,
achieved Silver Medal
certificate from NPTEL in
"Programming in Java



Elite

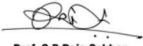
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
BAL KRISHNA YADAV
for successfully completing the course
Programming in Java


with a consolidated score of **82** %


Online Assignments	24.31/25	Programming Exam	25/25	Proctored Exam	33/50
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Total number of candidates certified in this course: **1448**


Prof. G P Raja Sekhar
 Dean, Continuing Education
 IIT Kharagpur

Jan-Apr 2021
 (12 week course)


Prof. Debjani Chakraborty
 Coordinator, NPTEL
 IIT Kharagpur

 Indian Institute of Technology Kharagpur



Roll No: NPTEL21CS03S23290051

To validate and check scores: <https://nptel.ac.in/noc>

Publications

- Kanak Sharma published paper, Sharma K. Future with 5G Technology. J Adv Res Netw Comm Engg 2021; 3(1): 1-9.
- Megha Kamble, Prashant Shrivastava, Megha Jain published paper in Sciencedirect, Measurement sensors(Elsevier) Digitized spiral drawing classification for Parkinson's disease diagnosis,16(1),1-8,May 2021.
- Vineeta Shrivastava, A case study on Deep Learning Applications in NLP, presented paper in the National E-conference at SAGE University Bhopal, IETE New Delhi and IBA
- Prashant Kumar Shrivastava , Megha Kamble presented paper "HRSUD: Hybrid Roadside Unit Deployment System to Improve Vehicular Communication in VANET", in AICTE Sponsored 10th IEEE CSNT 2021 Bhopal ,18-19 June 2021
- Prashant Kr Shrivastav, Comparative analysis of proactive and reactive routing protocols in VANET environment. Elsevier Measurement Sensors, Science Direct, 10th June 2021
- A Review on Intrusion Detection System Based on Various Learning Techniques, Shiladitya Raj, Megha Jain, Megha Kamble, Indian Journal of Artificial Intelligence and Neural Networking (IJAINN) ISSN: 2582-7626, Volume-1 Issue-2, April 2021.
- Deep Neural Networks Approach for Online Social Network transaction analysis, by Megha kamble, Kanak Sharma, accepted as book chapter in Deep Learning for Social Network Analytics"; Book-Taylor and Francis-CRC Press, USA. Aug 2021
- P. K. Shrivastava, M. Kamble, P. Shrivastava, M. Sharma and R. Singh Tomar, "HRSUD: Hybrid Roadside Unit Deployment System to Improve Vehicular Communication in VANET," 2021 10th IEEE International Conference on Communication Systems and Network Technologies (CSNT), 2021, pp. 66-73, doi: 10.1109/CSNT51715.2021.9509618, Aug 2021

Patents/Copyrights

- Prashant Kr Shrivastava filed, Patent application number 202121026132 SYSTEM AND METHOD TO TRANSPORT PRODUCTS OVER A NETWORK, 24th June 2021
- A system and method for optimum wavelet basis function selection for ecg arrhythmia denoising using AI, 2021104217, australian patent accepted. (Faculty: vineeta shrivastava)
- Copyright Registered L-98067/2020 Crop Disease Prediction App Abhishek Jain, Megha Jain, Megha Kamble, Diksha Kurchaniya

Outreach Activities

Department has signed MOU with “Saksham Digital Technologies Ltd. Bhopal” for AICTE internships and technical training to students.



Megha Kamble and Vineeta Shrivastav completed Problem Learning – Teaching Pedagogy courses offered by Aalborg University, Denmark. Now they as a team selected for Regional Research Symposium(online) organized by Karnataka State Higher Educational Council and Aalborg Center Under auspices of UNESCO.

1. Dr.Megha Kamble completed ATAL FDP on Reinforcement Learning and its applications organized at IIITDM Jabalpur, 7th-11th June 2021.
2. Dr.Megha Kamble selected as Evaluator for Grand Finale Toycathon 2021. Event was scheduled on 22nd -24th June, Nodal Center UCER Allahabad and organized by Govt of India and Education and related Ministry.
3. Prashant Kr Shrivastava, Ashish Chaturvedi, Ambika Sewaniya, Megha Jain, Sugan Patel attended AOL FDP at LNCT Group.
4. Dr.Megha Kamble attended 3 days workshop on Technical Book writing at AICTE , New delhi under NEP 2020 and AICTE model curriculum under RGPV as Nodal Center.(14th to 17th sept 2021)
5. Prashant Shrivastava, Megha Kamble, A Reliable Artificial Intelligence Model For False News Detection Made By Public Figures, Sept 2021, Computer Applications: An International Journal (CAIJ)
6. Dr.Megha Kamble has worked as Evaluator Grand Finale Toycathon 2021.

Editorial Board



Dr. Megha Kamble, HOD, CSE
Prof. Priyanka Singh, Dept. of CSE

Student Coordinators
Kanak Sharma, Atharv Shirvastav