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LNCT Campus, Kalchuri Nagar,
Raisen Road, Bhopal

A NEWS LETTER

ACRUX

DEPARTMENT OF
ELECTRONICS & COMMUNICATION

Edition: April 2021 to Sep2021

LNCT Group

VISION MISSION

To be a premier institute where engineering education and research converge to produce engineers as responsible citizens.



MISSION

- To improve continually in the teaching-learning process by strengthening infrastructural facilities and faculty credentials.
- To undertake interdisciplinary research and development by engaging the faculty and students in curricular, co-curricular and industry collaborated projects towards problem solving.
- To enhance proportion of skilled based courses beyond curriculum to create more employable graduates.
- To inculcate human values, ethics, patriotism and responsibility in our outgoing engineers by providing conducive environment.

FACULTY ACHIEVEMENTS

Dr Soni Changlani

- Completed "Orientation towards Technical Education and Curriculum Aspects –Module 1" of NITTT (AICTE)
- Delivered Expert lecture in AICTE-ISTE Faculty Development Program on " Industrial Application of MATLAB"



Dr Zahid Alam

- Dr M Zahid Alam has successfully completed Module on Orientation towards Technical Education and Curriculum Aspects (AICTE) Conducted by NITTT.
- Design Patent on Dustbin has been granted to Dr M Zahid Alam, Prof Monika Kapoor and Prof Prashant Chaturvedi.

DESIGN NUMBER	310604	
CLASS	09-09	
I.DR. M. ZAHID ALAM, ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING, L.N.C.T., BHOPAL:- 462021 2. MS MONIKA KAPOOR, PROFESSOR & HEAD, DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING, L.N.C.T., BHOPAL 3. MR. PRASHANT CHATURVEDI, ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING, L.N.C.T., BHOPAL:- 462021		
DATE OF REGISTRATION	04/10/2018	
TITLE	DUSTBIN	
PRIORITY NA		



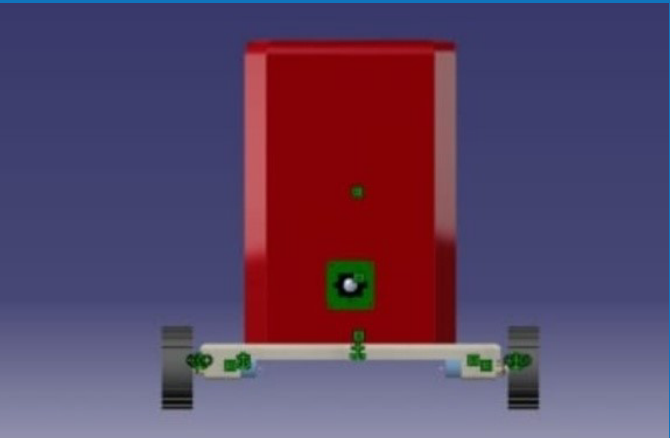
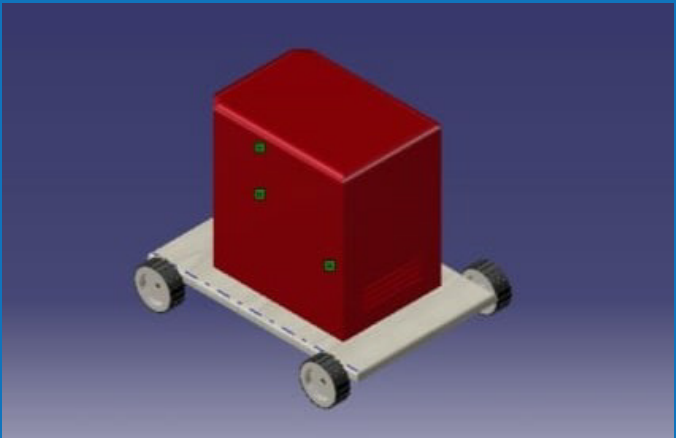
Dr Bharti Gupta

- Completed “Orientation towards Technical Education and Curriculum Aspects –Module 1” of NITTT (AICTE)
- Patent Granted –Title of the invention: A METHOD FOR PREDICTION OF COVID-19 BASED ON MACHINE LEARNING ALGORITHM, Patent No.: 2021103550 Grant Date: 28th day of July 2021
- Publish a Copyright: Title of the work: Opinions analysis of Web Data using Big Data analytical tools. Diary no: 15155/2021-CO/L



Prof Prashant Chaturvedi

- Prashant Chaturvedi faculty member of Electronics and Communication Department Published their next research Paper in the Computers, Materials & Continua.
- Grant Australia Patent with title “System and Method for Monitoring Post COVID Patient using Machine Learning and BlockChain”.Application no. 2021103601



- Completed “Orientation towards Technical Education and Curriculum Aspects –Module 1” of NITTT (AICTE)
- Attended 5 Days FDP on Fundamentals of Research Design & Methodology

Dr Vijay Yadav

- Dr Vijay Yadav, Associate Professor of LNCT Bhopal Participated & completed successfully AICTE Training and learning(ATAL) Academy Online Elementary FDP on "GEOINFORMATICS AND WEB TECHNOLOGIES" from 2021-05-18 to 2021-05-22 at BANASTHALI VIDYAPEETH.
- Participated & completed successfully AICTE Training and learning(ATAL) Academy Online Elementary FDP on "Online Teaching and Learning Technology" from 2021-06-14 to 2021-06-18 at MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD.
- Participated & completed successfully AICTE Training and learning(ATAL) Academy Online Elementary FDP on "Numerical Simulation and soft computing techniques in advance manufacturing processes" from 2021-07-05 to 2021-07-09 at LAKSHMI NARAIN COLLEGE OF TECHNOLOGY.
- Vijay Yadav from Lakshmi Narain College of Technology has attended Faculty Development Program on 3DExperience Platform Training in which he learned collaborative business innovator, collaborative industry innovator & Cloud app for Designing which is organized by RGPV Bhopal in Association with EKSPE Software Services LLP under TEQIP III, From 26-28 July 2021.

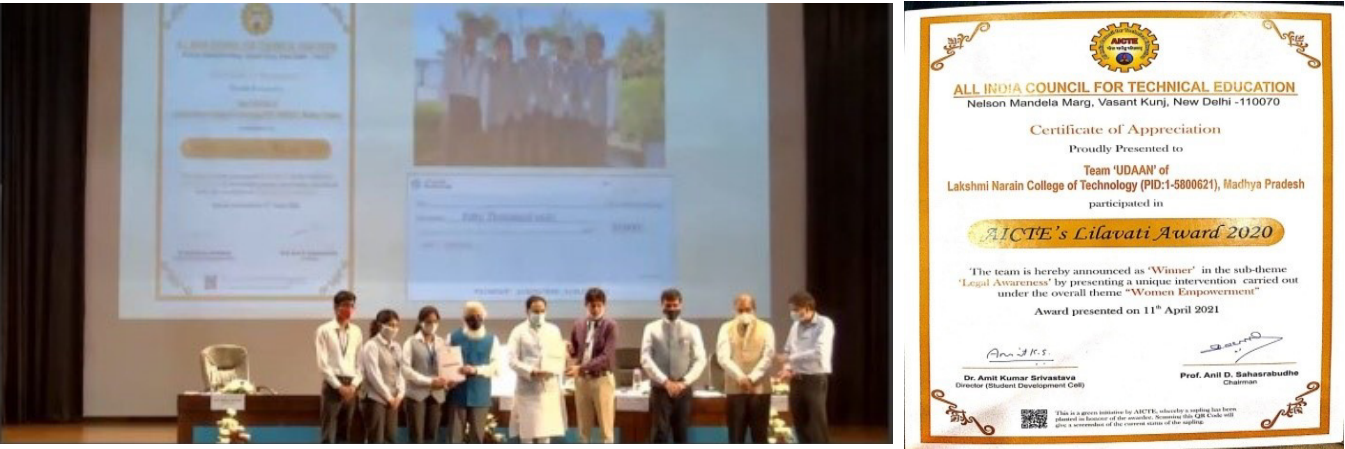


Prof Prashant Purohit

- Successfully completed Phd From MANIT Bhopal

STUDENT ACHIEVEMENT

AICTE'S LILAVATI AWARD 2020 was presented to Team **UDAAN** of Lakshmi Narain College of Technology, Bhopal and was announced as "2nd Runner-up" in the sub-theme category **"Legal Awareness"**. Team Udaan presented theme **"Women Empowerment"** which was mentored by Prof. Monika Kapoor (Department of Electronics and Communication) and the team include **Ayush Purwar, Gargi Dubey, Megha Choubey, Palak Jain and the team leader Pragya Jain**. They had received the Certificate from Dr. Ramesh Pokhriyal, Minister of Education, Govt. of India at New Delhi on April 11th, 2021 and won the cash prize of Rs. 50,000. Team Udaan was among the top 25 winning teams out of 456 teams across the country.



Arduino Based DRONE Made by Students

Students Ayush bairagi, Aryan rajak of Electronics and Communication department in collaboration with Inct Incubation centre has made Arduino based Drone which can fly upto 150 meter and range of drone is 500 meter with payload of 10 kg.



Sanskriti Gautam student of Department of Electronics and Communication Engineering LNCT Bhopal is participated in National level on the spot poem writing compitition organised by Parul University, Vadodara and secured first position.

DEPARTMENTAL ACTIVITY

Department of Electronics and Communication Engineering LNCT Bhopal is organizing. Expert Lecture on mmWave Communication: Future of Wireless Network By Dr. Anand Agrawal A.P Indian institute of information Technology kota on 1st April 2021



Essay Writing Competition

Department of Electronics and Communication Engineering LNCT Bhopal is organizing Essay Writing Competition on Elimination of Single Use Plastic on given topic in handwritten form (English/Hindi) on 2nd April.

LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL
Department of Electronics & Communication Engg.

Online **Essay Writing** COMPETITION

“Elimination of Single Use Plastic”

SAY NO TO PLASTIC

PLASTIC STRAWS, PLASTIC BAGS, PLASTIC BOTTLES, PLASTIC PACKAGES, PLASTIC CUPS, PLASTIC SPOON & FORK

- Last Date for Submitting the essay is **2nd April 2021 till 5:00 pm**
- Essay should be **“Hand Written”** either in hindi or english language
- Maximum Word limit is **300 words**.
- **No Entry fee**
- **E-Certificate** for all participate.
- Participate must write their **Name, Branch, & enrolled No.** on the top of the essay
- Write essay on plain **A4 size paper**, scan and upload it on the link of Google form.

Google link: <https://forms.gle/RuJZS3PzQbYwXHjr6>

Co-ordinator: Dr. L N Gahalod | Head of Department: Dr. Soni Changlani

Workshop

Department of Electronics and Communication Engineering LNCT Bhopal is organizing. Online two days workshop on component testing and circuit Design on 6th-7th April.

Department of Electronics and Communication Engineering LNCT Bhopal is organizing Essay .Debate Competition on 3/4/2021

LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL
Department of Electronics & Communication Engineering

Online **Debate Competition**

Topic: **“Elimination of Single Use Plastic”**

Date: **3rd April 2021**

Certificate to Each Participant

Coordinators: Prof. Monika Kapoor, Dr. Zahid Alam, Dr. L N Gahalod | Head: Dr. Soni Changlani

Online Two Day's Workshop on Component Testing and Circuit Design

6th- 7th April 2021

Join on Zoom platform
Id: Password

Coordinators: Dr. L N Gahalod, Dr. Aparna Gupta, Prof. Sunny Jain, Prof. Rahul Sharma | Head of Departments: Dr. Soni Changlani, Dr. Soheb Munir

Organized by Department of Electronics & Communication Engineering

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Essay Writing Competition

Department of Electronics and Communication Engineering LNCT Bhopal is organizing. Expert talk on Indian space Revolution and future opportunities by Nitesh kumar Agrawal a researcher Department of avionics IISSTon 28 April 2021

Organized by : **LNCT Group of College, Bhopal**
Department of Electronics and Communication

Expert talk on **Indian Space Revolution and Future Opportunities**

Wednesday, **28 April 2021**

Speaker: **Niteshkumar Agrawal**
Researcher, Department of Avionics, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala, India (Former researcher at LCU, China)

Organiser: Dr. Bhanu Pratap Singh | Coordinator: Dr. Soheb Munir, Dr. Soni Changlani

Department of Electronics and Communication Engineering LNCT Bhopal is organizing. Expert talk on Virtualization in Telecom by Mr. Sudhakar Pandey Head AN intelligent operation rakuten mobil .Tokyo Japan. On 29 april 2021

Organized by : **LNCT Group of Colleges, Bhopal**
Department of Electronics and Communication

Expert talk on **Virtualization in Telecom**

Thursday, **29 April 2021**
1:30PM to 2:30PM

Speaker: **Mr. Sudhakar Pandey**
Head - RAN Intelligent Operations Rakuten Mobile Inc. Tokyo, Japan

Organisers: Dr. Soni Changlani, Dr. Soheb Munir, Prof. Sunny Jain

Department of Electronics & Communication Engineering is organizing a "Virtual Industrial Visit" for 2nd Year students on 24 june 2021

VIRTUAL INDUSTRIAL VISIT
for the 2nd Year Students

Department of **ELECTRONICS & COMMUNICATION ENGINEERING**

Organizing By **LNCT GROUP OF COLLEGES**

Industry: **AARTECH SOLONICS LTD.**

Thursday, **24 June 2021**
From 11:00 AM to 12:00 PM

Head of Department: Dr. Soni Changlani (LNCT), Dr. Soheb Munir (LNCTS) | Organizer: Dr. Soheb Munir

Department of Electronics & Communication Engineering is organizing a Webinar on 5G Technology". Speaker – sumit saxena Sr. SDE training MGM BSNL.

LNCT Group of Colleges, Bhopal
Department of **Electronics and Communication**
Organizing

Webinar On **5G Technology**
"Role of Electronics Engineer"

Wednesday, **14 July, 2021**
12:00pm to 1:00pm
<https://bit.ly/3AECJdG>

Meeting ID: 920 2662 7443 | Passcode: 12345

Speaker: **Sumit SAXENA**
SR.SDE Training MGMT BSNL

Co ordinators: Dr. Soni Changlani, HOD EC LNCT, Dr. Soheb Munir, HOD EC LNCTS, Dr. Tarun Varma, Associate professor EC

Department of Electronics & Communication Engineering is organizing a Webinar on WHY ECE? CAREER OPTIONS AND OPPORTUNITIES FOR ECE BRANCH.



Webinar on
WHY ECE ? CAREER OPTIONS AND OPPORTUNITIES FOR ECE BRANCH

Organized By :
LNCT group of colleges, Bhopal
Department of Electronics and Communication

1ST, JULY 2021
11:00AM - 12:00PM

Meeting ID: 929 5280 2035
Passcode: 12345

Moderators
Dr Tarun Varma Associate Prof. LNCT
Dr L N Gahalod. Associate Prof. LNCT

Co ordinators
Dr. Soni Changlani, HOD EC LNCT
Dr Soheb Munir, HOD EC LNCT

Organized In-house internship programme for second year students on 9-11 Aug 2021. Coordinators Dr. G. Kumar (Professor) & Dr. Prashant Purohit (Associate Professor). Participants: 11 faculties and 182 students



Department of Electronics and Communication

Online
INTERNSHIP PROGRAMME
For II year students

The program will cover scope, trends and advances in Electronics, Communication and Computing field. This internship program will induce in students interest and passion for their field of study.

09-11 Aug
10:30 am - 02:00 pm
on Zoom

Coordinators
Dr. G. Kumar
Dr. Prashant Purohit
Dr. Soni Changlani
HOD, LNCT
Dr. Soheb Munir
HOD, LNCT

Organized Webinars On Quality education accreditation and teacher development in perspective of NEP 2020 by Dr. N S Raghava (professor Delhi technology university) on 6 Aug 2021.



LNCT GROUP OF COLLEGES, BHOPAL

Webinar on:
"QUALITY EDUCATION, ACCREDITATION AND TEACHER DEVELOPMENT"
IN PERSPECTIVE OF NEP 2020

Friday, 6th August, 2021
10:30 AM onwards

<https://bit.ly/3ibXxiw>
Meeting ID: 819 2240 4954
Passcode: 12345

Moderator
DR. N. S. RAGHAVA
Professor, Delhi Technological University

Coordinators
DR. SONI CHANGLANI HOD, EC, LNCT
DR. SOHEB MUNIR HOD, EC, LNCT
DR. BHARTI GUPTA Professor
DR. APARNA GUPTA Associate professor

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Organized Webinars On power of positivity by Dr. POOJA METHA (psychologist motivational speaker) on 11 Aug 2021.



Department of Electronics & Communication

Webinar
On
POWER OF POSITIVITY

AUG 11 | 11 AM

Dr. Pooja Mehta
Psychologist,
Motivational Speaker,
Life Coach

Dr. G. Kumar Coordinator
Dr. Soni Changlani HOD, LNCT
Dr. Prashant Purohit Coordinator
Dr. Soheb Munir HOD, LNCT

Organized Webinars On Statistical for wireless communication by Dr Ravi Tiwari (Sr. Assistant Professor MITS) on 24 Aug 2021



Department of Electronics & Communication

Webinar
On
STATISTICAL SIGNAL PROCESSING FOR WIRELESS COMMUNICATION

AUG 24 | 11:45 AM

Dr. Ravi Tiwari
Sr. Assistant Professor
Madanapalle Institute of Technology & Science (MITS), Madanapalle

Prof. Sunny Jain Coordinator
Dr. Soni Changlani HOD, LNCT
Prof. Saiyed Tazen Ali Coordinator
Dr. Soheb Munir HOD, LNCT

Organized Webinars On Model based Programming for Embedded system using MATLAB and simulink by Subrato howldar on 28 Aug 2021.



WEBINAR Department of Electronics & Communication

Model-based Programming for Embedded system Using Matlab and Simulink.

Date:- 28-08-2021
Time:- 11:40am

Organizer:
Prof. Rajdeep Shrivastava

Coordinators:
Dr. Bharti Gupta
Dr. Vijay Yadav
Prof. Kamna Mishra
Dr. Vivek Jain

Trainer Subrato Howlader
Sr Trainer Instructor
CRISP INDIA

A TECHNICAL ARTICLE ON

Isolation and bandwidth will enable telecom providers and radar technology to capitalize on the mm Wave spectrum.

As communications providers race to deliver on the potential of 5G, research and design projects are already looking towards 6G and beyond. The promise of ultra-fast broadband speeds - potentially as much as 10 Gbit/s - are seen as helping to catapult cellular technology into new markets like smart cities, connected vehicles, defense, and the rapidly expanding IoT.

Source:- <https://www.newelectronics.co.uk/electronics-technology/capitalising-on-the-mmwave-spectrum/238827/>

