

LORDS

Institute of Engineering & Technology
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DEPARTMENT OF CIVIL ENGINEERING



NEWS LETTER

SEM II 2020-21

"SKYCRAPERCRAZY"



Editor : Md Mustafeezul Haque
Assistant Professor

Members:

1. Mohammad Nauman Shariq (IVth Yr)
2. Mohammad Azhar Mohiuddin (IIIrd Yr)
3. Zahra Farooquee (IInd Yr)
4. Mohammad Yaser Mirza (Ist Yr)



Survey #32, Near Police Academy, Hyd 500091



+91 6309012442/43



principal@lords.ac.in

VISION AND MISSION OF THE INSTITUTE

VISION

Lords Institute of Engineering and Technology strives for excellence in professional education through Quality, Innovation and Team Work and aim to emerge as a premier Institute in the State and across the Nation.

MISSION

1. To impart quality professional education that meets the needs of present and emerging technological world.
2. To strive for student achievement and success, while preparing them for life, career and leadership.
3. To produce graduates with professional ethics and responsibility towards the development of industry and the society and for sustainable development.
4. To ensure abilities in the graduates to lead technical and management teams for conception, development and management of projects for industrial and national development.
5. To forge mutually beneficial relationships with government organizations, industries, society and the alumni.

VISION AND MISSION OF THE DEPARTMENT

VISION

To emerge as a centre of excellence by imparting quality technical education through creativity, team building and value creation, and to contribute to advancement of knowledge in the field of Civil Engineering.

MISSION

1. Providing the students with in-depth understanding of fundamentals and practical training related to professional skills and their applications through effective Teaching-Learning Process.
2. Inculcate technical, team work management and communication skills
3. Preparing students in developing research, design, entrepreneurial skills and employability capabilities.
4. Providing consultancy services and promoting Industry- department Interactions.

PROGRAM EDUCATIONAL OBJECTIVE

PEO1. To prepare the students with strong fundamental knowledge in Basic Sciences & Mathematics, English as well as Engineering Sciences so as to enable them to Analyze and Solve the Civil Engineering related problems using latest technologies for betterment of Society

PEO2. To inculcate the capability of identifying, analyzing, designing, formulating and creating sustainable engineering solutions while using modern design, construction tools and techniques.

PEO3. To motivate the students towards Research and Development for solving complex issues of Engineering and Environment and habituate them towards lifelong self learning

PEO4. To inculcate moral values & expose them to ethical practices needed for team work, project management and effective communication to function in multi-discipline groups across globe.

WEBINARS CONDUCTED

1) Webinar on NON-DESTRUCTIVE TESTING (NDT) for Concrete Structures

A webinar was organized by Civil Engineering Department, LIET on 19.5.2021 (Wednesday) from

2.30 p.m. to 3.30 p.m. and the resource person was Mr. Toufeeq Ahmed, Associate Professor, Department of Civil Engineering, MJECT Hyderabad.

In this webinar the basic tests on NDT were discussed in details in the first session of 40 minutes. Seeing the interest of the audience another session was conducted immediately in which the new emerging technologies, new tests on NDT which are used in Gulf countries, UK, and USA were discussed briefly. A detailed case study has been presented in which NDT tests are incorporated along with SCANPRINT software to help in effective Structural Health Monitoring (SHM), from the stage of initial survey to generating the repair and maintenance reports along with BOQ and drawings.

2) Webinar on AI (Artificial Intelligence) emergence in Civil Engineering

A webinar was organized by Civil Engineering Department, LIET on 27.5.2021 (Wednesday) from 3.00p.m. to 4.0 p.m. and the resource person was Dr Mir Faheem, HOD, Department of Civil Engineering, DCET Hyderabad. In the field of civil engineering, numerous problems—particularly in engineering design, construction management, and program decision-making—were affected by many uncertainties which could be solved not only with the help of mathematics, physics, and mechanics calculations but also depend on the experience of practitioners. This knowledge and experience are illogically incomplete and imprecise, and they cannot be handled by traditional procedures. However, artificial intelligence has its own superiority. It can solve complex problems to the levels of experts by means of imitate experts. Artificial intelligence has a broad application prospect in the practice of civil engineering.

3) Webinar on Fluid Pressure

A webinar was organized by Civil Engineering Department, LIET on 28.5.2021 (Wednesday)

from 2.30p.m to 3.15p.m and the resource person was Dr. Venkata Ramana Reddy, Professor, Department of Civil Engineering, K L University. In simple words pressure exerted by a fluid at any point inside it, is fluid pressure. The difference of pressure between two levels is determined by the product of the difference of height, the density, and the acceleration of free fall. To calculate the fluid pressure a tube is attached to a point where the pressure difference is to be measured and its other end left open to the atmosphere. If the pressure at the point P is higher than the local atmospheric pressure the liquid will rise in the tube. Since the column of the liquid in the tube is at rest, the liquid pressure P must be balanced by the hydrostatic pressure due to the column of liquid and the superimposed atmospheric pressure.

4) Webinar on Waste Water Treatment

A webinar was organized for students & faculty on “WASTE WATER TREATMENT” through an online mode (zoom platform) on 29th MAY 2021 by the department of Civil Engineering and the resource person was Mr Mrinal Gour, Assistant Professor, Department of Civil Engineering, MJCET Hyderabad. This event was launched by our beloved Principal Dr. C.V Narsimhulu Sir, and Prof. Syed Anisuddin, Head, Department of CE.

Wastewater treatment is a process used to remove contaminants from wastewater and convert it into an effluent that can be returned to the water cycle. Once returned to the water cycle, the effluent creates an acceptable impact on the environment or is reused for various purposes (called water reclamation). The main purpose of wastewater treatment is for the treated wastewater to be disposed or reused safely. However, before it is treated, the options for disposal or reuse must be considered so the correct treatment process is used on the wastewater.

5) Webinar on Soil Investigation Report

A webinar was organized for students on “Soil Investigation Report” in an online mode through zoom platform on 3rd JUNE 2021 by the department of Civil Engineering, and the resource person was Dr Koti Reddy, Professor, Department of CE, CBIT Hyderabad. This event was launched by our beloved principle Dr.C.V Narsimhulu Sir, and Prof. Syed Anisuddin, Head, Department of CE. The results of soil exploration, including field investigation and testing, as well as the laboratory test results and their analysis, along with

suitable recommendations, are presented in the form of a soil investigation report. The soil investigation report is an important legal document that is used as the basis for design of foundations or earth structures as well as their construction. The report also forms the basis for investigating any potential instability or failure of the structure during its life.

6) Webinar on Evolution of New Era in Steel Structures

A webinar was organized for students and faculty on “EVOLUTION OF NEW ERA IN STEEL STRUCTURES” in an online mode through zoom platform on 9th June, 2021 by the department of Civil Engineering, and the resource person was Mr Minhaj, Assistant Professor, Department of CE, DCET Hyderabad. This event was launched by our beloved principle Dr.C.V Narsimhulu Sir, Prof. Syed Anisuddin, and Head, Department of CE. Conventional Steel buildings are consultant and conservative. The Structural members are hot rolled and are used in conventional buildings. The materials are produced or manufactured in the plant and are shifted to the site. The raw materials are processed in the site for the desired form. The modifications can be done during erection by cut and weld process. Truss systems are used in conventional system. The main purpose of conducting this webinar on evolution of new era in steel structures is to know the differences between Pre-Engineered Steel Buildings and Conventional Steel Buildings with its weight comparison.

SPORTS

1. Mohd Arbaz Khan Faisal (IVth Year, student) participated in Hyderabad District Wrestling Championship 2021 and secured 1st position in 125kg category. He also played for National Wrestling Championship organized by Wrestling Federation of India.



Arbaz Khan with Dr. Syed Anisuddin, HOD Department of CE and Habib Khan PD

2. The Civil Engineering Department of LIET Hyderabad won the championship of cricket and volleyball tournament by defeating Mechanical Engineering and Electrical and Electronics Engineering Department in the finals.



3. SPORTS DAY CELEBRATION

India's National Sport Day celebrated on 29th August by Department of Civil Engineering of LIET and Mr. Mohd. Safiuddin and other faculties participated in this event.



BEST PROJECT AWARDEE

Batch	Roll No.	Name of the Students	Title of The Project	Name of the Project Guide
A2	17M21A0112	ABDUL SAMAD SOHAIL	Design and Analysis of Energy Efficient Building	Ms. Suebha Khatoon
A2	17M21A0130	MD SHOEB ALI		
A2	17M21A0131	MOHAMMED ABDUL RAHMAN		
A2	17M21A0132	MOHAMMED ARSHAD ALI		
A2	17M21A0158	MUSAB MOINUDDIN		
A7	17M21A0182	SYED EHTISHAM UDDIN	Analysis, Design and Estimation of G+5 Residential building using REVIT and Comparison with ETABS	Khaja Musab Manzoor
A7	17M21A0156	SYED SAIF UDDIN		
A7	17M21A0176	SHAIK ASIF ALI		
A7	17M21A0111	OBAIDULLAH SHAREEF		
A7	17M21A0122	MIR HYDER ALI		
B1	17M21A01E0	AQIB SHABIR	Design and development of sustainable concrete with replacing recycled gypsum board	Ms. Suebha Khatoon
B1	18M25A0118	MOHD MOIZ UDDIN		
B1	18M25A0119	SYED SAJID		
B1	18M25A0122	MOHAMMED ABRAR		
B1	17M21A01A1	SHAIK MOHD ARIF		
C1	17E21A0107	C HAMLOI PHOM	Comparision of Flexural; strength of Bamboo and Steel reinforcement in Metakalin Cement Concrete	Mohammed Safiddin
C1	17E21A0108	KASHFI ALI AZHAR		
C1	18E25A0102	AMAIR SAYEED		
C1	18E25A0105	DAKURI PRASHANTH		
C1	18E25A0114	MOHAMMAD HUSSAIN		



RESEARCH PUBLICATIONS

NAME OF THE AUTHOR/S	TITLE OF PAPER	URL
Mohammed Moiz	Dynamic analysis and Design of multi storeyed R.C. Structural Frame with Pile Foundation	https://www.academia.edu/49293646/DYNAMIC_ANALYSIS_AND_DESIGN_OF_MULTISTOREYED_R_C_STRUCTURAL_FRAME_WITH_PILE_FOUNDATION

CONFERENCE PAPERS

NAME OF THE AUTHOR/S	TITLE	NAME OF THE CONFERENCE	ORGANIZING INSTITUTE
Mohd. Safiuddin	Self healing concrete	International Conference On Sustainable Approach For Resilient Infrastructure	Chaitanya Bharathi Institute of Technology
Khaja Musab Manzoor	Utilization of a mixture of waste plastic material and granite particles as a partial replacement of coarse aggregate in concrete blocks	International Conference On Sustainable Approach For Resilient Infrastructure	Chaitanya Bharathi Institute of Technology
S. Ekasila, B.Visali, Dr.Syed Anisuddin	Utilization of a mixture of waste plastic material and granite particles as a partial replacement of coarse aggregate in concrete blocks	International Conference On Sustainable Approach For Resilient Infrastructure	Chaitanya Bharathi Institute of Technology
Mohd.Safiuddin	An experimental study on comparative analysis of M25 concrete by partial replacement of conventional materials with alternative materials	International conference of Engineering and advancement in technology	Lords Institute of Engineering and Technology

LIST OF PATENTS

NAME OF INVENTORS	TITLE	APPLICATION NO.	DATE OF PUBLISH
Syed Anisuddin Adil	Multi Criteria Decision Making Approach of BIM Application for Sustainable Building	202141019074	07-05-21
Mohammed Safiuddin, Mohammed Furkhan	Sewage treatment plant system	202141014698A	16-04-21

STUDENTS PARTICIPATED IN THE CONFERENCE

STUDENTS NAME	NAME OF THE CONFERENCE	ORGANIZING INSTITUTE
Syed Ehteshamuddin	International Conference On Sustainable Approach For Resilient Infrastructure	Chaitanya Bharathi Institute of Technology
Shaik Asif Ali		
Syed Saifuddin		
Ibrahim Ali		
Syed Haseeb		