



NEWSLETTER

DEPARTMENT OF MECHANICAL ENGINEERING



VISION

Envisions mechanical engineers of highly competent and skilled professionals to meet the needs of the modern society.

MISSION

- Providing a conducive and inspiring learning environment to become competent engineers.
- Providing additional skills and training to meet the current and future needs of the Industry.
- Providing a unique environment towards entrepreneurship by fostering innovation, creativity, freedom, and empowerment.

*"Science can amuse and fascinate us all,
but it is engineering that changes the world."*

-Issac Asimov



Contact Us: 9885008004
satish.p@lendi.org
<http://www.lendi.org>

IN THIS ISSUE

- About the Institute
- About The Department
- Faculty Achievements
- Guest Lectures / Workshops Conducted
- FDP'S & Workshops
- Academic Toppers
- Industrial visits & Summer internships
- Infrastructure
- Campus Placements
- Newspaper Clippings
- Department Events

EDITORIAL BOARD

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ABOUT THE INSTITUTE & DEPARTMENT

VISION

Producing globally competent and quality technocrats with human values for the holistic needs of industry and society.

MISSION

- Creating an outstanding infrastructure and platform for enhancement of skills, knowledge and behaviour of students towards employment and higher studies.
- Providing a healthy environment for research, development and entrepreneurship, to meet the expectations of industry and society.
- Transforming the graduates to contribute to the socio-economic development and welfare of the society through value based education.

ABOUT THE INSTITUTE

Lendi Institute of Engineering & Technology is a premiere institute, established in 2008 by a divine body of committed intelligentsia under the aegis of Sai Dhamam Educational Trust of Visakhapatnam to cater to the needs of young graduates of technology. It is on national highway near to both vizag and vizianagaram having a lush green campus with eco-friendly environment. Its vision is to produce globally competent and quality technocrats with human values for the holistic needs of industry and society.

Ours is an Autonomous College which is spread to all directions with a strength of over 2600 students and above 200 faculty. College is accredited by NAAC with "A" Grade, NBA with four branches and permanently affiliated by JNTU Kakinada.

Lendi offers ECE, EEE, CSE, MECH, CSSE & CSIT courses. Efficient and experienced faculty members dedicated in teaching, encouraging students to have practical exposure, individual attention etc have made Lendi famous for its teaching traits. Offering counseling to the identified slow learners, student teacher adoption program, allocation of choice based internships to the students during vacation for the practical exposure, supplying Manuals for lucidity in the practical work are the extensive practices which made LENDI a hallmark for quality engineering education.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering has started its journey in the year 2012 and within a short period of 6 years, the department is accredited by NBA, which itself is a feather in the department's cap. The Department has well equipped laboratories and infrastructural facilities. The Department boasts of a high end Simulation laboratory, CNC Laboratory and R&D laboratory.

The Department works for the overall development of the students by inculcating the spirit of self learning. Students are provided with a variety of opportunities and platforms for them to technically grow and by giving them a chance to investigate a broad range of areas; which propels them to learn with zeal and grow.

The faculty are trained to make the students reach their goals. They incline themselves to constantly upgrade their know-how in the field of engineering. The faculty and students have the habit of regularly publishing papers in reputed journals and present them in conferences. They are members of various international organisations which is one platform for them to enhance their latest know-how in the field of engineering.

FACULTY ACHIEVEMENTS

Publication in National & International Journals

- Mr. Pappu Rama Subramaniam, Mechanical Engineering, Quality engineering transformation over the years and issues, IJEST, Feb, 2021, 2455–2143, https://www.researchgate.net/publication/352379287_QUALITY_ENGINEERING_TRANSFORMATION_OVER_THE_YEARS_AND_ISSUES_-_A_REVIEW
- Mr. S.Raviteja, Mr. D.Suresh, Mr. V.V. Prasanna, Mr.P.Kameswara rao, Mechanical Engineering, Experimental analysis on mechanical properties of hemp jute and hybrid E-Glass GFRP Composite, International journal of creative research thoughts (IJCRT), Feb, 2021, 2320–2882, https://www.researchgate.net/publication/350544802_EXPERIMENTAL_ANALYSIS_ON_MECHANICAL_PROPERTIES_OF_HEMP-JUTE_AND_HYBRID_E-GLASS_GFRP_COMPOSITE
- Mr. Surakasi Ravi Teja, Mr. K.Ch. Sekhar, Mr. Y.S.Ratnakar, Mr. V.V. Prasanna Kumar, Mechanical Engineering, Performance and emission characteristics of sunflower oil biodiesel on 4 stroke diesel engine, International journal of advanced research in engineering & Technology (IJARET) , April, 2021, 0976–6480, https://www.researchgate.net/publication/350975393_Performance_and_emission_characteristics_of_Sunflower_Oil_Bio_Diesel_on_Four_Stroke_Diesel_Engine
- Dr. Satish Pujari, Mechanical Engineering, Artificial Neural Network Predictive Modelling of Laser MicroGrooving for Commercial Pure Titanium (CP Ti) Grade 2, Journal of Mechanical Engineering, April, 2021, ISSN 1823–5514, eISSN 2550–164X, <https://jmeche.uitm.edu.my/wp-content/uploads/2021/04/16-RI-18-2-P20-37.pdf>
- Mr. K.Srinivas, Mr.K.Ch.Sekhar, Mechanical Engineering, Evolution of compressive strength of thermo plastic materials prepared using 3D print with different in-fill structures, Lecture notes in mechanical engineering, June, 2021, 2195–4356, https://www.researchgate.net/publication/349437319_Evaluation_of_Compressive_Strength_of_Thermoplastic_Materials_Prepared_Using_3D_Printer_with_Different_in-Fill_Structures
- Mr. Surakasi Ravi Teja, Mr. Ch. Polayya, Mr. D. Appanna, Mr. V.V. Prasanna Kumar, Mr. B. Ranjan Kumar, Mechanical Engineering, Combustion characteristics of waste cooking oil bio diesel on four stroke diesel engine using additives , Tourkish journal of computer & mathematics education (TCME), June-2021, 1309–4653, <https://www.turcomat.org/index.php/turkbilmat/article/view/8811/6876>
- Mr. S.Raviteja, Mr. Y.S.Ratnakar, Mr. Ch. Polayya, Mr. B. Ranjan Kumar, Mr. V.V. Prasanna, Mechanical Engineering, Investigation of performance & emission on single cylinder Di-diesel engine with catalytic converter using biodiesel, International journal of modern agriculture (IJMA), June, 2021, 2305–7246, https://www.researchgate.net/publication/352705086_Investigation_of_Performance_and_Emission_on_a_Single_Cylinder_Di-Diesel_Engine_with_a_Catalytic_Conveter_Using_Bio-Diesel

FACULTY ACHIEVEMENTS

Faculty Workshops attended

- Dr. K.Sridhar, Alternate Fuels, 12-06-2021 To 16-06-2021
- Dr. K.Sridhar, Sponsored Research Projects (Opportunities, Procedure And Best Practices), 24 – 06 – 2021 To 25-06-2021
- Dr. K.Sridhar, The Revised Accreditation Framework Of Naac-2020: The Practice Of Quality Initiatives By Iqac For The Quality Enhancement In Heis, 14-05-2021 To 15-05-2021
- Dr. K.Sridhar, Current Trends In Industrial Engineering, 14-04-2021 To 20-04-2021
- Dr. K.Sridhar, Naac Assessment And Accreditation: A Step By Step Process, 27-05-2021 To 29-05-2021
- Mr. K.Ch. Sekhar, Outcome Based Accreditation And Nba, 14-6-2021 To 18-6-21
- Mr. K.Ch. Sekhar, Naac Assessment And Accreditation: A Step By Step Process, 27-05-2021 To 29-05-2021
- Mr. K.Ch. Sekhar, Functional Materials Energy Environment And Health , 01-02-2021 To 06-02-2021
- Dr. Timothy Pandi, Online Orientation Training Programme For Mentors, 14-06-2021 To 18-06-2021
- Dr. Timothy Pandi, Application Of Design, Modelling & Optimization Techniques In Mechanical Engineering, 28-06-2021 To 02-07-2021
- Dr. Timothy Pandi, Strategic Methods And Tools For Product Development, 22-02-2021 To 26-02-2021 (Phase I) & 22-03-2021 To 26-03-2021 (Phase II)
- Mr. D Appanna, How To Write And Publish, 06-05-2021 To 07-05-2021
- Mr. D Appanna, Application Of Artificial Intelligence Across Industry Domains, 04-06-2021
- Mr. D Appanna, Virtual Labs, 22-05-2021
- Mr. D Appanna, Naac Assessment And Accreditation: A Step By Step Process, 27-05-2021 To 29-05-2021
- Mr. D Appanna, Strategic Methods And Tools For Product Development, 22-02-2021 To 26-02-2021 (Phase I) & 22-03-2021 To 26-03-2021 (Phase II)
- Mr. R. Jagadeesh Kumar, Strategic Methods And Tools For Product Development, 22-02-2021 To 26-02-2021 (Phase I) & 22-03-2021 To 26-03-2021 (Phase II)
- Mr. R. Jagadeesh Kumar, How To Write And Publish, 06-05-2021 To 07-05-2021
- Mr. R. Jagadeesh Kumar, Naac Assessment And Accreditation: A Step By Step Process, 27-05-2021 To 29-05-2021
- Mr. M. Balaji, Virtual Labs, 22-05-2021
- Mr. M. Balaji, Application Of Design, Modelling & Optimization Techniques In Mechanical Engineering, 28-06-2021 To 02-07-2021

FACULTY ACHIEVEMENTS

- Mr. M. Gangadhar, Artificial Intelligence And Green Power Technology, 14-06-2021 To 18-06-2021
- Mr. M. Gangadhar, Advancements In Computational Fluid Dynamics Using Fluidyn, 07-06-2021 To 11-06-2021
- Mr. P. Kameswara Rao, Design Thinking, 01-06-2021 To 05-06-2021
- Mr. P. Kameswara Rao, Naac Assessment And Accreditation: A Step By Step Process, 27-05-2021 To 29-05-2021
- Mr. P. Kameswara Rao, Strategic Methods And Tools For Product Development, 22-02-2021 To 26-02-2021 (Phase I) & 22-03-2021 To 26-03-2021 (Phase II)
- Mr. P. Kameswara Rao, Rejuvenating Learning With World Class Business Improvement Approach – Lean Six Sigma, 28-06-2021 To 02-07-2021
- Mr. P. Kameswara Rao, Recent Advancements In Green And Sustainable Manufacturing, 08-03-2021 To 13-03-2021
- Mr. P. Kameswara Rao, Virtual Labs, 22-05-2021
- Mr. P. Kameswara Rao, Emerging Technologies In Product Design & Development, 14-06-2021 to 18-06-2021
- Ms. Edibilli Lakshmi Devi, Smart Sensors Based Industrial Automation And Healthcare Technology, 07-06-2021 To 11-06-2021
- Mr. D. Srinivasa Rao, Virtual Labs, 22-05-2021
- Mr. D. Srinivasa Rao, Naac Assessment And Accreditation: A Step By Step Process, 27-05-2021 To 29-05-2021
- Mr. D. Srinivasa Rao, Strategic Methods And Tools For Product Development, 22-02-2021 To 26-02-2021 (Phase I) & 22-03-2021 To 26-03-2021 (Phase II)
- Mr. Daniel Silas Kumar Mandrumaka, World Nano Congress On Advanced Science And Technology, 08-03-2021 To 13-03-2021
- Mr. Daniel Silas Kumar Mandrumaka, Make In India: Through 3d Printing And Industry 4.0 For Indian Industries
- –Phase II, 12-04-2021 To 17-04-2021
- Mr. Daniel Silas Kumar Mandrumaka, Naac Assessment And Accreditation: A Step By Step Process, 27-05-2021 To 29-05-2021
- Mr. Daniel Silas Kumar Mandrumaka, One Week Online Faculty Development Program On “Latex”, 07-06-2021 To 12-06-2021
- Mr. Daniel Silas Kumar Mandrumaka, Fundamental And Applications Of Nanomaterials, 14-06-2021 To 18-06-2021
- Mr. Daniel Silas Kumar Mandrumaka, Quality Assessment & Enhancement In Higher Education In The Light Of New Framework Of Naac, 22-06-2021 To 29-06-2021

- Mr. Daniel Silas Kumar Mandrumaka, Innovation In Mechanical And Automation Engineering: Issues, Challenges And Solutions”, 21-06-2021 To 25-06-2021
- Mrs. G Gnanadeepa, Multi Technologies, 28-06-2021 To 03-07-2021
- Mr. Yamuzala Sai Ratnakar, Strategic Methods And Tools For Product Development, 22-02-2021 To 26-02-2021 (Phase-I) And 22-03-2021 To 26-03-2021 (Phase-II)
- Mr. Yamuzala Sai Ratnakar, Naac Assessment And Accreditation: A Step By Step Process, 27-05-2021 To 29-05-2021
- Mr. Yamuzala Sai Ratnakar, Outcome Based Accreditation And Nba, 14-06-2021 To 18-06-2021
- Mr. Yamuzala Sai Ratnakar, Virtual Labs, 22-05-2021

Publication in Book Chapters

- Dr. Satish Pujari, Recent Trends in Mechanical Engineering, Performance evolution of sun flower oil biodiesel before & after transesterification, Springer, ICIME, International, August, 2021, 978-1-4503-8523-7, LIET, Springer
- Dr. Satish Pujari, Recent Trends in Mechanical Engineering, Heat transfer and pressure drop characteristics of fixed tube heat exchanger using CFD, Springer, ICIME, International, August 2021, 978-1-4503-8523-7, LIET, Springer

ACADEMIC TOPPERS

IV Year



Name of the Student: KOSIREDDI
SAMPATH KUMAR
Roll No: 18KD5A0314
Percentage: 9.63



Name of the Student: KUNCHAM
SATYANARAYANA
Roll No: 18KD5A0316
Percentage: 9.38



Name of the Student: TOTTADI
ABHIRAM NAIDU
Roll No: 18KD5A0328
Percentage: 9.38

III Year



Name of the Student: BIYYALA LEELA
PRASAD
Roll No: 18KD1A0307
Percentage: 9.0



Name of the Student: YERNAGULA
YASHWANTH
Roll No: 19KD5A0317
Percentage: 8.86

II Year



Name of the Student: MYLAPALLI
BADRI
Roll No: 20KD5A0324
Percentage: 9.72

I Year



Name of the Student: CHANDAKA
NAVEEN
Roll No: 19KD1A0315
Percentage: 9.44



Name of the Student: ROUTHU
SRINU
Roll No: 19KD1A0363
Percentage: 9.44



Name of the Student: SIRIPURAM
JAGADEESH
Roll No: 19KD1A0370
Percentage: 9.44



Name of the Student: ADARI
SATYANARAYANA
Roll No: 20KD5A0301
Percentage: 9.44

VIRTUAL LABS NODAL CENTRE

Virtual Labs – An Initiative of the Ministry of Education Under the National Mission on Education through ICT, Nodal Centre (Coordinator, M. Daniel Silas Kumar, Dept. of Mech) established in the institute under the guidance of NITK, Surathkal with the objective of promoting remote-access to simulation-based Labs in various disciplines of Science and Engineering, enthuse students to conduct experiments by arousing their curiosity which would help them in learning basic and advanced concepts through remote experimentation and also to provide a complete Learning Management System around the Virtual Labs where the students/ teachers can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self-evaluation.

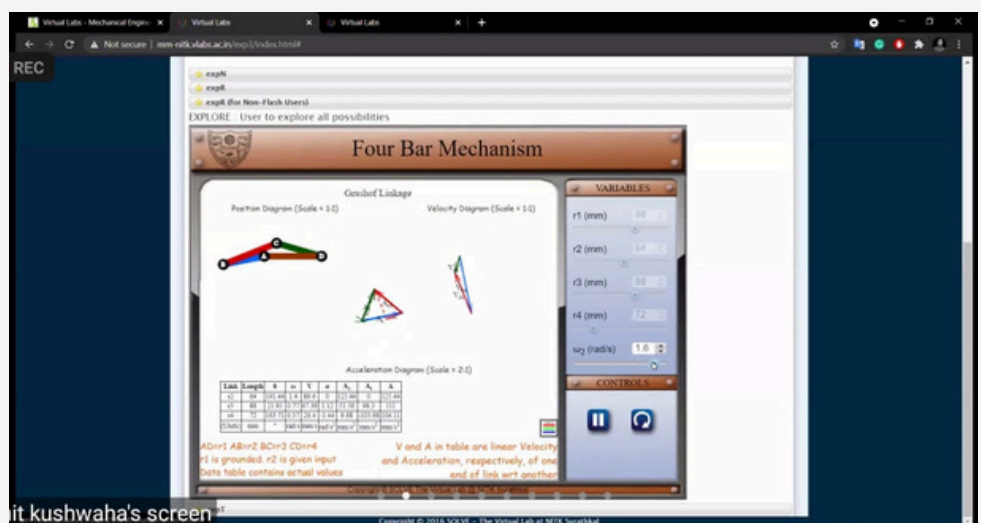
This project is a consortium activity of twelve participating institutes and IIT Delhi is coordinating institute. It is a paradigm shift in ICT-based education. For the first time, such an initiative has been taken-up in remote-experimentation. Under Virtual Labs project, over 100 Virtual Labs consisting of approximately 700+ web-enabled experiments were designed for remote-operation and viewing. The intended beneficiaries of the projects are:

All students and Faculty Members of Science and Engineering Colleges who do not have access to good lab-facilities and/or instruments.

High-school students, whose inquisitiveness will be triggered, possibly motivating them to take up higher-studies. Researchers in different institutes who can collaborate and share resources.

Different engineering colleges who can benefit from the content and related teaching resources.

Virtual Labs do not require any additional infrastructural setup for conducting experiments at user premises. The simulations-based experiments can be accessed remotely via internet.



One Day workshop organized by Mr. M. Daniel Silas Kumar (Nodal Centre Coordinator for Virtual Labs) in collaboration with NITK Surathkal on “VIRTUAL LABS – A Faculty Training Session” on 22/5/2021. The number of Faculty benefitted were 137. Mr. Beryl Thomas giving a talk on how to utilize the Virtual Labs for Academic Teaching & Learning

INDUSTRIAL VISITS & SUMMER INTERNSHIPS

Summer Internships

S.NO	INTERNSHIP NAME	ORGANISATION NAME	Dates	NUMBER OF STUDENTS
1	CNC	APSSDC	31/05/2021 - 30/06/2021	56
2	NX CAD	APSSDC	31/05/2021 - 30/06/2021	46
3	Introduction to Autodesk 3D	APSSDC	31/05/2021 - 30/06/2021	114

CAMPUS PLACEMENTS

S.No	Name of the Student	Roll No	Company Name	Date of Joining
1	R.KASU BABU	15KDIA0383	TEEJAY India private limited	03-02-2021
2	GANDIBOINA SRINIVASARAO	17KDIA0329	kpit	11-05-2021
3	ALLANKI SADASIVA	17KDIA0301	RAMTECH	15-07-2021
4	BALIVADA SAI SRAVANTH KUMAR	17KDIA0304	RAMTECH	15-07-2021
5	GEDALA UPENDRA	17KDIA0330	RAMTECH	15-07-2021
6	GEDDA SAMARA SEKHAR	17KDIA0331	RAMTECH	15-07-2021
7	GORLE PRUTHVI NAIDU	17KDIA0337	RAMTECH	15-07-2021
8	KAMBALA SAI GOWTHAM	17KDIA0345	RAMTECH	15-07-2021
9	KOTTAMSETTY SATISH	17KDIA0356	RAMTECH	15-07-2021
10	LATCHUPATULA VAMSI	17KDIA0359	RAMTECH	15-07-2021
11	PINISETTI PRAKASH	17KDIA0382	RAMTECH	15-07-2021
12	POTNURU SANKARA RAO	17KDIA0385	RAMTECH	15-07-2021
13	VARRI MADHU 7287024523	17KDIA03A3	RAMTECH	15-07-2021
14	YEGIREDDI NAVEEN	17KDIA03A9	RAMTECH	15-07-2021
15	YERNINTI SAI CHAITANYA	17KDIA03B0	RAMTECH	15-07-2021
16	BOTCHA GANESH	18KD5A0303	RAMTECH	15-07-2021
17	SATHIVADA JAYA VARDHAN	18KD5A0323	RAMTECH	15-07-2021
18	SUNKARA BALA BHASKAR	18KD5A0324	RAMTECH	15-07-2021
19	SUVVADA DURGA AJAY KUMAR	18KD5A0326	RAMTECH	15-07-2021
20	YEJJUPURAPU JASWANTH KUMAR	18KD5A0329	RAMTECH	15-07-2021
21	MUNAGAPATI REVANTH VARMA	18KD5A0331	RAMTECH	15-07-2021
22	DUVVU SURESH	17KDIA0324	ACCENTURE	20-07-2021
23	GOTTUMUKKALA RAMA RAJU	17KDIA0338	ACCENTURE	20-07-2021
24	GULLIPALLI SAI ABHISHEK NAIDU	17KDIA0341	ACCENTURE	20-07-2021
25	KORUPOLU HEMANTH KUMAR	17KDIA0354	ACCENTURE	20-07-2021
26	M SANJANA	17KDIA0361	ACCENTURE	20-07-2021
27	TATA NIKHIL PAVAN KUMAR	17KDIA0398	ACCENTURE	20-07-2021
28	DUMPALA RAM KUMAR	18KD5A0306	ACCENTURE	20-07-2021
29	KOCHARLA SAI	18KD5A0310	ACCENTURE	20-07-2021
30	KUNDHI VENU GOPAL	18KD5A0317	ACCENTURE	20-07-2021

CAMPUS PLACEMENTS

31	SASANAPURI SAI BHARADWAJ 6300489722	18KD5A0332	ACCENTURE	20-07-2021
32	BASVANA RAVITEJA	17KDIA0305	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
33	BUDITI YASWANTH KUMAR	17KDIA0311	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
34	DAKARAPU SURYA VARUN	17KDIA0320	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
35	GUDIVADA JANARDHANA RAO	17KDIA0339	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
36	KARADI VENKATA SAI KUMAR REDDY	17KDIA0348	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
37	KILLI BALA KRISHNA	17KDIA0352	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
38	LENKA SAI KRISHNA	17KDIA0360	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
39	MAHANTHI NITHISH KUMAR	17KDIA0363	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
40	MANDAVELLI SATEESH KUMAR	17KDIA0364	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
41	TEKYAM VARAHA MANIKANTA	17KDIA03A0	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
42	VARRI MADHU	17KDIA03A3	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
43	YEGIREDDI NAVEEN	17KDIA03A9	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
44	BADI SANTOSH KUMAR	17KDIA03B1	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
45	KUNCHAM SATYANARAYANA	18KD5A0316	Wonjin Autoparts India Pvt. Ltd.	27-07-2021
46	TAKSI ATCHUTA NARENDRA	18KD5A0327	Wonjin Autoparts India Pvt. Ltd.	27-07-2021

FRESHERS DAY CELEBRATIONS

