LIET

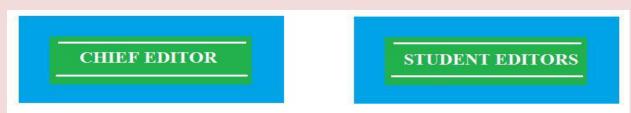Electrical & Electronic Engineering

EXUMBERANCE

VISION

The Electrical and Electronics Engineering Department strives to be recognized globally for outstanding education and research leading to dynamic, vibrant and well-qualified engineers, who are innovative, entrepreneurial and capable of conducting contemporary research in cutting edge technologies..

MISSION

1: Provide high quality innovative education at the undergraduate and graduate level.

2: Prepare graduates for the high technology field by promoting lifelong learning, technical expertise, ethical standards, and leadership qualities

3: Create an ambience of knowledge vibration that inculcates the zeal and desire to excel in academics for the staff and student.

4: Provide expertise and resources that enable staff and students to generate new ideas and technology.

CHIEF EDITOR	STUDENT EDITORS
Dr.P.Mahes kumar (Assoc Professor)	Ayesha-4th EEE
Mr. V.Karthik (Assistant Professor)	Mohammed Ali-2nd EEE

EXUMBERANCE

FROM PRINCIPAL DESK

The current scenario in the local, national and international level is of intense competition with equal opportunity to all. The world has grown phenomenally in the past decade than ever before. Education which has always played an important role in the life of man has gained a lot of importance. In the present times it is not only, 'what you have' but 'how much you know' determines your success.

Training and placement department of our college helps students in making them aware about the various job opportunities in their respective fields with the aid in applying for the jobs and conducts campus interviews to recruit them when they are in final year of their graduation.

Our aim is to impart the best of the knowledge and technical know how to our students with required inputs, and the desire and ability to learn, lead and excel to make them responsible and respected citizens of India. We will be pleased if we receive any suggestion regarding our improvement.

Dr. Mohammed Yousuf Ali
Principal of LIET

FROM HOD DESK

It's immense pleasure to present this semi-annual newsletter "Exumberance". Electrical and Electronics Engineering department is the dynamic and vibrant department with the blend of young and experienced Faculty.

Department is actively involved in academic as well as research work in current areas of Electrical and Electronics Engineering and multi-disciplinary streams. The department has well equipped labs with the state of art software, hardware and machineries.

The faculty members are constantly publishing technical papers in national and international journals and conferences. Also, they are involved in consultancy activities. The department is fortunate to have dedicated teachers, devoted students, and committed supporting staff and expert technical staff.

Specially, I congratulate my students to participate in various extra-curricular activities, research work and competitive exams. My best wishes to all for their bright carrier and successful life.

Dr.P.Mahes kumar
HOD of EEE

EXUMBERANCE

REPUBLIC DAY CELEBRATIONS

This year we celebrated 71st Republic day. Our Chief guest for this event was our Hon' Chairman Mr C.A. Basha Moinuddin(C.A.), he was followed by Mrs Rizwana Begum,Secretary, Mr Touseef, Vice-chairman and our dedicated Dr Mohammed Yousuf Ali, Principal, L.I.E.T, Hyd. Chairman addressed the gathering with his valuable speech regarding time management and how to succeed in life, even with obstacles.

LIST OF NPTEL COURSES CERTIFICATION

S.No	Name of the Faculty	Name of the Course	Dates/Duration	Equivalent FDP days
1	V. Karthik	Electric Vehicles Part-1	Feb to Mar 2020 (4 week Course)	0.5 FDP
2	R. Venkata Krishna	National Accreditation in Teaching and Entrepreneurship	Jan to Apr 2020 (12 week Course)	
3	G. Swetha	Electric Vehicles Part-1	Feb to Mar 2020 (4 week Course)	0.5 FDP
4	S. Mallikharjuna	National Accreditation in Teaching and Entrepreneurship	Jan to Apr 2020 (12 week Course)	
5	T. Santhosh Kumar	Advanced Power Electronics and Control	Jan to Mar 2020 (8 week Course)	
6	M. Ankush Kumar	Electric Vehicles Part-1	Feb to Mar 2020 (4 week Course)	0.5 FDP
7	G. Mallesh Kumar	Network Analysis	Jan to Apr (12 week Course)	

BOOKS/BOOKCHAPTERS

S. No	Name of the Faculty Author	No of Authors	Main Author/ other	Title of the Book Chapter	Name of the Publisher	ISBN Number
1	R. Venkata krishna and T.Santhosh Kumar	2	R. Venkata krishna	Industrial Safety Health Environmental Engineering	LAMBERT Academic Publishing.	ISBN: 978-620-2-68581-8
2	Dr. P. Mahes Kumar and R. Venkata Krishna	2	Dr. P. Mahes Kumar	Control Systems	REDSHINE Publications	ISBN: 978-93-89840-25-4
3	Mr. Vimmagiri Karthik	3	Mr. Vimmagiri Karthik	Basic Electronic Engineering	REDSHINE Publications	ISBN: 978-93-89840-25-4

RESEARCH PUBLICATIONS (JOURNALS)

S. No.	Name of the Faculty Author	No of Authors	Main Author/ other	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol/Month	Index No UGC/ Scopus	URL/DOI
1	R. Venkata krishna	1	R. Venkata krishna	Automatic Vehicle Position alert Scheme using Wireless Network	International Journal of Advanced Science and Technology	ISSN: 2005-4238	Vol. 29 No.3	UGC	http://sersc.org/journals/index.php/IJAST/article/view/5329
2	T. Santhosh Kumar	1	T. Santhosh Kumar	Application of ANFIS controller to 3-level NPC based APF to improve power quality	Journal for critical research	ISSN: 2394-5125	Vol. 7 Issue 14	UGC	http://www.jcreview.com/fulltext/197-1593773024.pdf?1605959095
3	R. Venkata krishna, T.Santhosh Kumar, G. Swetha, V. Karthik	04	R. Venkata krishna, T.Santhosh Kumar, G. Swetha, V. Karthik	Modular Multilevel Converter Bipolar HVDC with SVPWM Based Voltage Droop	Journal for critical research	ISSN: 2394-5125	Vol. 7 Issue 4	UGC	http://www.jcreview.com/?mno=132331

				Controller					
4	T. Santhosh Kumar and R.Venkata Krishna	02	T. Santhosh Kumar and R.Venkata Krishna	A Simplified Space Vector Modulation for our Level Nested Neutral-Point Clamped Inverters	Alochana Chakra Journal.	ISSN No. 2231-3990	Vol. IX Issue V	UGC	http://www.alochanachakra.in/VOLUME-9-ISSUE-5-MAY-2020-1/
5	B. Harika and V. Karthik	02	B. Harika and V. Karthik	A Robust hybrid series active power filter with fuzzy logic controller for enhancement of power quality	International journal of analytical and experimental modal analysis.	ISSN NO. 0886-9367	Vol. XII, Issue V	UGC	http://ijaema.com/gallery/181-ijaema-may-3972.pdf
6	Abdul Kareem and M.A.Haleem Ather	02	Abdul Kareem and M.A.Haleem Ather	Electric Vehicle to Power Grid Integration Usiing Three Phase Three Level AC/DC Converter and PID Controller	Alochana Chakra Journal	ISSN No. 2231-3990	Vol. IX, Issue V	UGC	http://www.alochanachakra.in/VOLUME-9-ISSUE-5-MAY-2020-1/
7	Dr. P. Mahes Kumar and R.Venkata Krishna	02	Dr. P. Mahes Kumar and R.Venkata Krishna	Single Phase Grid Connected Solar Micro-Inverter with Multi Level Fuzzy Logic MPPT Controller	Alochana Chakra Journal.	ISSN No. 2231-3990	Vol. IX, Issue V	UGC	http://www.alochanachakra.in/VOLUME-9-ISSUE-5-MAY-2020-1/
8	P.Mahes Kumar and Zia-Ul-Haq	03	P.Mahes Kumar and Zia-Ul-Haq	A New Unified Power Quality Conditioner Strategy based Custom Power Quality Enhancement for Induction Motor Drive Applications	Journal of Engineering Sciences	ISSN NO: 0377-9254	Vol. 11, issue 1	UGC	https://jespublication.com/upload/2020-1101097.pdf

9	P.Mahes Kumar and Bairi Venkateshwarlu	02	P.Mahes Kumar and Bairi Venkateshwarlu	An Early Diagnosis Of Breast Cancer Using Fuzzy Clustering and PNN Classifier	Journal of Engineering Sciences	ISSN NO: 0377-9254	Vol. 10, Issue 9	UGC	https://jespublication.com/issue.php?cid=21&scid=50
10	P.Mahes Kumar and Bairi Venkateshwarlu	02	P.Mahes Kumar and Bairi Venkateshwarlu	Binary To Decimal Feature Extraction Based Hand written Character Recognition System Using Feed Forward Neural Network	Journal of Engineering Sciences	ISSN NO: 0377-9254	Vol. 10 Issue 9	UGC	https://jespublication.com/upload/2019-V10-I9-158.pdf
11	P.Mahes Kumar and S. Mallikharjuna	02	P.Mahes Kumar and S. Mallikharjuna	An Efficient analysis And Detection Of Breast Cancer Using Random Forest Classifier	Journal of Engineering Sciences	ISSN NO: 0377-9254	Vol. 10, Issue 12	UGC	Vol.10, Issue 12, Dec/2019. pp. 1166-1170.
12	P. Mahes Kumar, Zia-Ul-Haq and VL Surya Prabha	03	P. Mahes Kumar, Zia-Ul-Haq and VL Surya Prabha	Power System Stabilizer For Damping Power system Oscillations Using SMIB System	Journal of Engineering Sciences	ISSN NO: 0377-9254	Vol. 10, Issue 8	UGC	https://jespublication.com/issue.php?cid=21&scid=12
13	Bairi Venkateshwarlu, G.Swetha and A. Sravanya	03	Bairi Venkateshwarlu, G.Swetha and A. Sravanya	Simulation of PI and Fuzzy Controlled Active Power Filter for Power Quality Improvement	Journal of Engineering Sciences	ISSN NO: 0377-9254	Vol. 10, Issue 7	UGC	https://jespublication.com/upload/2019-20190707.pdf

14	R. Venkata Krishna, S. Mallikarjuna, V. Karthik and M. A. Haleem Ather	04	R. Venkata Krishna, S. Mallikarjuna, V. Karthik and M. A. Haleem Ather	DPFC For Enhancing Power System Stability	Journal of Resource Management and Technology	ISSN:0745-6999	Vol. 10, Issue 11	UGC	https://www.mlsoft.in/jrmat.com/upload/-V10-I11-10.pdf
15	P. Mahes Kumar, Zia-Ul-Haq and VL Surya Prabha	03	P. Mahes Kumar, Zia-Ul-Haq and VL Surya Prabha	Power System Stabilizer for Damping Power System Oscillations Using SMIB System	Journal of Engineering Sciences	ISSN NO: 0377-9254	Vol. 10, Issue 8	UGC	https://jespublication.com/upload/2019-V10-I8-37.pdf
16	R. Venkata Krishna, S. Mallikarjuna and Bairi Venkateshwarlu	03	R. Venkata Krishna, S. Mallikarjuna and Bairi Venkateshwarlu	Distributed Power Flow Controller for Enhancing Power System Stability	Journal of Engineering Sciences	ISSN NO: 0377-9254	Vol. 10, Issue 8	UGC	https://jespublication.com/upload/2019-V10-I8-36.pdf
17	P. Mahes Kumar and S. Mallikarjuna	02	P. Mahes Kumar and S. Mallikarjuna	Power Quality Enhancement in Grid Tied PV System sing Variable DC Link Voltage UPQC	Journal of Resource Management and Technology	ISSN:0745-6999	Vol. 9 Issue 6	UGC	https://www.mlsoft.in/jrmat.com/issue.php?id=28
18	P. Mahes Kumar and R.Venkata Krishna	02	P. Mahes Kumar and R.Venkata Krishna	Identification of Suitable Unified Power Quality Conditioner Topology for Power Quality Enhancement of Industrial Applications	Journal of Resource Management and Technology	ISSN:0745-6999	Vol. 10, Issue 1	UGC	https://www.mlsoft.in/jrmat.com/issue.php?id=28

| 19 | P. Mahes Kumar and R.Venkata Krishna | 02 | P. Mahes Kumar and R.Venkata Krishna | Investigation on Mitigation of Power Quality Problems in Utility and Customer Side Using Unified Power Quality Conditioner Strategy | Journal of Resource Management and Technology | ISSN:0745-6999 | Vol. 10, Issue 6 | UGC | https://www.mlsoft.in/jrmat.com/issue.php?id=28 |

ONLINE WEBINAR / FACULTY DEVELOPMENT PROGRAMME / ONLINE QUIZ / SHORT TERM PROGRAMME / WORKSHOP ATTENDED

S. No	Name of the Programme	Name of the Subject	Name of the Institution and Place	Dates and No. of Days Attended	Name of the Faculty
1.	Workshop	MHRD	MHRD INNOVATION CELL	9th May 2020	
2.	FDP	Evolution of teaching learning process	BIHER	11thMay -15 May 2020	
3.	Workshop	MHRD	MHRD INNOVATION CELL	16th May 2020	
4.	Webinar	Research Opportunities of Power Converters	K.RAMA KRISHNAN COLLEGE OF Tech	21st May 2020	
5.	Webinar	MATLAB Simulink	LIET	21st - 22nd May 2020 2 Days	
6.	FDP	Advanced Python Programming using Django	MALINENI LAKSHMAIAH WOMENS COLLEGE	21st - 25nd May 2020 5 Days	Mr.T.SANTHOSH KUMAR
7.	Webinar	Overview On Electrical Safety	Miracle Educational Society	23rd May 2020	
8.	FDP	National Level Online Faculty Development Programme	Lendi Institute of Engineering and Technology	22nd – 26th May 5 Days	
9.	Online Quiz	Journal of Advanced Research in Technology &Mangement Science	JART&MS	27-5-2020 1 Day	
8.	International Seminar	Art of Writing	Chennai institute of	26th -27th May 2020	

S. No	Name of the Programme	Name of the Subject	Name of the Institution and Place	Dates and No. of Days Attended	Name of the Faculty
		Scientific Articles ,Funding Proposal	technology		
9.	Online Quiz	Importance of Renewable energy resources, Dept of EEE	HITS	29-5-2020 1 Day	
10	Online Quiz	Fundamentals of Computer Networks, Dept of ECE.	HITS	29-5-2020 1 Day	
11	National Level Online FDP	Artificial Intelligence by IT	VIGNAN	22nd -26th MAY 2020 5 DAY	
12	National Level Online FDP	Artificial Intelligence	TEC	22nd -26th MAY 2020 5 DAYS	
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1.	Workshop	MHRD	MHRD INNOVATION CELL	9th May 2020	
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		EEE		
10	Online Quiz	Fundamentals of Computer Networks, Dept of ECE.	HITS	29-5-2020 1 Day
11	National Level Online FDP	Artificial Intelligence by IT	VIGNAN	22nd -26th MAY 2020 5 DAY
12	National Level Online FDP	Artificial Intelligence	TEC	22nd -26th MAY 2020 5 DAYS
13	One week FDP	PE Applications in Smartgrid & Electric Vehicles	Santhiram Engg. Collehe, Nandyal	26-05-2020 – 31-05-2020 6 DAY
14	One week FDP	Big data handoop Ecosystem	CMR Institute of Technology	27-05-2020 – 31-05-2020 5 DAY
15	One week FDP	Advanced NDT Techniques & Applications in Industry	QISCET, Ongole	25-05-2020 – 29-05-2020 5 DAY
16	Awraeness Program	Research Methadology	Yeswantho Chavan College, Nagpur	30-05-2020
17	3 Day Workshop	NAAC Assessment & Accrediation	Gates Inst. of Tech., Ananthapuram	28-05-2020 -30-05-2020 3 Day
18	National level Workshop	Strategious and employement oppurtunities for faculty and management students	Lingayas Inst. of Management and Technology, Krishna	29-05-2020 to 30-05-2020 2 DAY
19	WEBINAR	Ict- An effective tool for Effective teaching	Bhavans Vivekananda college	16-05-2020
20	WEBINAR	A Comprehensive Roadmap to pursue Academic Research	SRM Institute of Sci. & Tech.	29-05-2020
21	webinar	Renewable aEnergy Scenario in India	Methodist College of Engg & Tech	30/05/2020
22	National level webinar	Gravitational Waves and Nano Science	Vidhyaa giri college of Arts and science, Tamilnadu	27-05-2020
23	webinar	Recent Trnds in Power Electronics using MATLAB	St Peters Engineering College	22-05-2020
24	International Webinar	E - Education Challenges and Solutions	Medi-Caps University, Indore	31-05-2020
25	webinar	Electric Vehicles	Satyabhama Inst. of sci. & Tech.	11-05-2020 & 13-05-2020
26	webinar	Renewable Energy using Matlab	GCE, Tanjavur	16/05/2020
27	webinar	E Vehicle Design using Matlab	VNRVJIT, Hyderabad	29/05/2020
28	National Level Online	NAAC	Theem College	29/05/2020

	Quiz	Accrediation and awareness	of Engg., Boisar		
29	Online Course	Hydel Power Generation	ALISON	24-04-2020 to 03-05-2020 26 hours	

ONLINE WEBINAR CONDUCTED

S. NO	WEBINAR CONDUCTED Two days Programme (21st -22nd)	Target : Faculties and Students MODE OF MEETING ON LINE Via Zoom Platform Conducted, Feed Back , E-Certificate, Speaker- G.SAIKUMAR MATH WORKS
1	MATLAB SIMULINK ON ELECTRIC TOOLS WEEK-I (May 18th –May 23rd 2020)	Organized by Dept of EEE, LIET **Program Central Co-ordinator 1** Mr.T.SANTHOSH KUMAR .Asst Prof of EEE, LIET. **Program Central Co-ordinator 2** Mr.R Venkata Krishna .Assoc. Prof., Dept. of EEE, LIET.

College Website: www.lords.ac.in

Department Website: https://www.lords.ac.in/electrical-and-electronics-engineering/