

UNIVERSITY REPORT 2014-15

KL University is the metamorphosis of Koneru Lakshmaiah College of Engineering (KLCE) established in 1980 has a memorable journey of about 34 years packed with remarkable landmark achievements. It began its sojourn as an affiliated College of the Acharya Nagarjuna University with four undergraduate programs, and grew to offer 8 UG Engineering programs, 4 UG Non engineering programs, 14 PG Engineering programs, 1 integrated Management Program, 1 PG Management program and 13 Doctoral programs as on today. We take pride in stepping into an enviable position of excellence and feel confident that within, next few years the pool of diverse and inquisitive students, the devoted faculty, staff and the alumni would work collectively towards building this educational institution as a ‘WORLD CLASS UNIVERSITY’.

A number of landmarks have been achieved by the institution some of which include the following:

Serial Number	Type of achievement	Year of achievement
1	NBA Accreditation	2004
2	Autonomous status	2006
3	NBA Re-Accreditation	2007
4	NACC Accreditation (Highest CGPA 3.76 / 4.00 among Engineering institutes in India)	2007
5	Deemed University status u/s 3 of UGC Act 1956	2009
6	NAAC Accreditation (A' grade with CGPA 3.16 / 4.00)	2013

During this year, a galaxy of dignitaries, Scientists and academicians from India and abroad visited the University and made us richer by their gracious presence and sharing of their experiences. The list of such dignitaries is very large to be read here but no name a few: Dr. James M Conard, University of North Carolina, Charlotte, Dr. Dion Gouws, Assistant Dean, School of Business, Chair Accounting and Finance, University of Virgin Islands, Prof. D. Ramachandra Rao, Asso. Director, G.R.Harrison Spectroscopy Laboratory, Massachusetts Institute of Technology, USA, Prof. G.S.N. Raju, Vice-Chancellor, Andhra university, Prahalada Rao, Joint Director, C-DAC, Bangalore, etc.,

The number and quality of faculty have the greatest impact on the performance of an educational institution. The University has strength of 691 faculty out of which 262 doctoral degrees and 300+ faculty are pursuing PhD. The University organizes several orientation and

faculty development programs for the faculty to make them well equipped for the various teaching-learning mechanisms that prevail in the University.

KL University is situated in a spacious campus on the banks of Buckingham Canal of river Krishna, eight kilometers from Vijayawada city. Built within a rural setting of lush Green Fields, the Institute is a virtual paradise of pristine nature and idyllic beauty. The campus has been aptly named “Green Fields” and the splendid avenue of trees and gardens bear testimony to the importance of ecology and environment. The campus ambience is most befitting for scholastic pursuits. The University’s Hallmarks were studded with accolades and honors right through the year. The university of Bradford, U.K. and Education matters bestowed “The Engineering Educators Award”, “Best Innovation in Higher education in India” at world Education Summit 2015, “ Top 10 in India, Top 5 in South India among all private technical universities” by The Week, “Best Private technical University in Asia”, at Asian Education Excellence Awards 2015, to name a few. The University has achieved a number of landmarks some which include the following:

Serial Number	Type of landmark achieved	Feature/ Level of achievement
1	Recognized as Public Funded Research Institute	By DSIR of Government of India – in recognition of the existence of excellent research environment in the institute.
2	Number of doctorates	262
3	Number of Faculty pursuing doctoral research	329
4	Number of faculty	691
5	Faculty-Student ratio	1:14.78
6	Number of students per mentor	Between 15 to 20
7	Number of smart class rooms	80
8	Number of faculty to impart the students with soft and communication skills	40
9	Member of National Knowledge Network connected	Networked with KLU servers with bandwidth of 1 Gbps
10	Advisory committee for each department	IIT, NIT and Industry personnel
11	Placements & Industrial Practice School Department (P&IPS)	100% placement for the last 10 Years
12	Special attention to First year students	Freshman Engineering department
13	Existence of student welfare Guidance division	Headed by a Dean
14	Discipline	100% Ragging free campus

15	Existence of centers of excellence	Microsoft (Microsoft Dreams-spark), IBM (IBM Centre of Excellence), Oracle (Oracle IT Academy Lab), CISCO (CISCO Lab) and Adobe (Abode Centre of Excellence), Mission 10X etc.
16	Mode of teaching	E-Learning
17	Existence of special labs	Open Academy Lab, Multimedia and Animation Center, VLSI Centre of Excellence, Altair Hyper works Design Center, Advanced Bio-Tech Labs, NI Lab View etc.
18	Entrepreneur development	University has set up an innovation, incubation and proto-typing cells
19	Mental health development	Through Yoga and Meditation centers
20	Extracurricular activities	Through technology forums and hobby clubs.
21	Indoor and outdoor games	State of the art indoor stadium with trainers with great expertise
22	MOUS with foreign universities situated in the countries like	US, UK, Australia, Romania, Sri Lanka, Poland, Thailand, Japan, Sweden
23	Rule Book	Policy document
24	Quality achievement	Existence of internal IQAC cell headed by a direction
25	Development of administrators	Through IAS academy situated in India

3.0 Curricular Aspects

3.1 Academic Programs and Structures

Ever since KLU got established as a University, it has been expanding its horizon of higher education and research. It offers undergraduate and post graduate programs not only in Engineering but also in Management and Commerce as well.

The following programs are being offered by the university

Serial Number	Program	Level of programs	Number of discipline in which the program is offered
1.	4 Year B. tech program	Under Graduate	B. Tech Program 1. Bio Technology 2. Civil Engineering 3. Computer Science & Engineering 4. Electronics & Communications Engineering 5. Electronics & Computers Engineering, 6. Electrical Electronics Engineering, 7. Mechanical Engineering 8. Petroleum Engineering
2.	3 Year programs	Undergraduate	1 B. Com (Hons) in Accounting & Finance 2 Bachelor of Hotel Management

			<p>3 BBA (Bachelors of Business Administration)</p> <p>4 B.Sc.(Visual Communications)</p>
3.	5 Year program	UG + PG	BBA + MBA
4.	2 Year Programs in Management	PG	<p>MBA Program:</p> <ol style="list-style-type: none"> i. General Management with functional specialization, ii. Technology Management, iii. Health Care & Hospital Management, iv. Banking and Financial Services
5.	2 Year Programs in Engineering	PG	<p>M. tech Programs</p> <ol style="list-style-type: none"> 1. Bio Technology 2. Computer Science & Engineering 3. Computer Networks & Security, 4. Communications & Radar Systems 5. Wireless Communication & Sensor Networks 6. Power Systems 7. Power Electronics & Drives 8. Mechatronics 9. Structural Engineering 10. Construction Technology and Management 11. VLSI 12. Embedded Systems 13. Thermal Engineering 14. Cloud Computing,
6.	<p>3 Year full time PhD Programs</p> <p>4 year part time PhD programs</p>	Doctoral	<p>Full-time and Part-Time programs in various disciplines of Science, Engineering, Management and Humanities.</p> <ol style="list-style-type: none"> 1. Bio Technology 2. Civil Engineering 3. Computer Science and Engineering 4. Electronics and Communication Engineering 5. Electronics and Computer Engineering 6. Electrical and Electronics Engineering 7. Mechanical Engineering 8. Management 9. Mathematics 10. Physics 11. Chemistry 12. English 13. Commerce
7.	New programs proposed from academic year 2015-2016		<ol style="list-style-type: none"> 1. B. Arch. 2. BCA 3. BBA-LLB 4. BFA 5. M.Tech-Space Technology & Atmospheric Science 6. M.Tech-Cyber Security & Digital Forensics 7. M.Tech-Geospatial Technology

Salient features of B Tech academic structure of K L University include:

- Highly flexible academic structure including options to select instructors in a multi-section course, being able to choose elective courses within and across the disciplines, opting for degree with specialization and degree with interdisciplinary minor.
- Practice School (internship in industry) of one-semester duration in either of the semesters in B. Tech final year.
- Students working on Term Papers in all core courses with a view to inculcate research aptitude.
- Project based labs and open labs are commissioned.

In addition to the aforementioned academic flexibilities, our University also offers several operational flexibilities, such as:

- Change of Branch at the end of 1st year B Tech program of study.
- Repeating a course for improving CGPA.
- Withdrawal and substitution of an elective course.
- Summer term courses for weaker students as well as for quality-performers to earn honors degree and dual degree.

4.0 Teaching Learning and Evaluation

The University has established Academic Staff College for the development of the faculty. It is organizing in-house Teacher Training programs to enhance skills in Effective teaching, Teaching Pedagogy, Outcomes Based Education, Class Room Management, Human Values, ICT Oriented teaching, Software Tools and Active learning. 28 programs have been organized during the academic year through invited resource persons as well as expertise available in the University. 9 workshops on English Communication Skills (both Oral and Verbal) have been conducted to bring out the awareness about the importance of the same in the Teaching-Learning process. 6 programs were also conducted on Curriculum Design and Delivery based on ABET and International standards.

5.0 Research, Consultancy and Extension

A university can grow successfully only when research and teaching mesh together seamlessly – one without the other is incomplete. Therefore we have ensured the

development of a collaborative environment conducive to learning, exposure to the best international practices and promotion of innovation and creativity.

The University has been offering PhD programs from the Academic year 2009-10. KLU encourages interdisciplinary research. The University offers its own research fellowships to full-time research scholars. Quality research output is envisaged through regular monitoring of the work. In order to enhance R&D and Consultancy activities in the University, 32 research Groups have been created to carry on collaborative research. The Groups also deliver quality courses and take research into the class rooms. These Groups are actively involved in setting up Research labs and obtaining funded Research and Consultancy Projects.

Research Progressive Assessment Committees have been formed in each department headed by a senior Professor having rich research experience. These committees co-ordinate all the activities related to research in the departments.

Serial Number	Academic Year	Number of scholars admitted
1	2009-2010	72
2	2010-2011	76
3	2011-2012	93
4	2012-2013	74
5	2013-2014	398
6	2014-2015	422
Total Scholars		1,135

Science and Technology is a key mover and shaker in the development of any region of the country. KL University has tremendous locational advantage as it is situated in one of the regions endowed with rich natural resources. Enhancing quality in teaching learning in Science and Engineering is therefore of paramount importance. We are pleased to state that five departments of the University Electronics and Communication Engineering, Mechanical Engineering, Computer Science Engineering, Bio Technology and Atmospheric sciences have been selected for support under the 'Fund for Improvement of Science and technology infrastructure (FIST) in higher educational institutions' programme of the Department of Science and Technology (DST), Government of India.

Tables I and II below show complete details of the projects sanctioned to the University.

Table I:

Sl.No.	Completed Projects	Ongoing Projects	Total Projects
1	42	32	74

Table II:

S.No.	Name of the PI/Co-PI	Title of the Project	Amount Req.	Status
			(In Lakhs)	
1	Dr. P. Siddaiah	Carrying out theoretical studies on simulator	4.5	Completed
2	Dr. P. Siddaiah	Moderation of Digital Signal Processing Lab	5	Completed
3	Prof.K.Subba Rao	Switching control strategies for the Direct Torque contract of Induction motor Drives	5	Completed
4	Prof.K.V. Ramana	Development of expert systems for condition monitoring	9.49	Completed
5	Dr. P. Siddaiah	Radome design	5.82	Completed
6	HOD	Modernisation of Civil Engineering Lab	5	Completed
7	Dr. P. Siddaiah	Theoretical studies on phased array antennas for satellite links from Aircrafts	8.5	Completed
8	Dr.R. Srinivasa Reddy	Sequential separation of high value products from microalgae	12.96	Completed
9	Dr. M. Srinivasan	Non-classical estimation techniques for autonomous Robots simultaneous localization and mapping in unknown Environment	6.338	Completed
10	Dr. B. J. K. Singh	Isolation, identification and characterization of protein pollen allergens of Indian origin	10.128	Completed
11	Dr. R. S. Reddy	Studies on flue gas fed microalgae for alternative fuel production	10.358	Completed
12	Dr. P. Siddaiah	Design for optimization of phased array antennas	10.263	Completed
13	Dr. A. Srinath (PI)	Development of an expert system for design of an optimum manipulator for any medical/ surgical robot with the	7.69	Completed

		incorporation of neural network & fuzzy logic concepts for sensing.		
14	Dr. P. Siddaiah (PI)	Design feasibility study and realization of a single directional antenna for L & S bands	13.44	Completed
15	Dr. P. Siddaiah (PI)	RF Front end Receivers spurious/ Harmonic analysis	8.25	Completed
16	Prof. V.G.K.M. Pisipati	Systematic studies of phase stability in dimeric liquid crystals	26	Completed
17	Dr. K. Sarat Kumar	Prediction of Propagation Impairments for Ku & Ka Band Satellite Links – Real Time Monitoring & Analysis for Communications/ Services	11	Completed
18	Mrs.D. Madhavi Latha	Optical studies on nano-particles doped liquid crystals	14.58	Completed
19	Dr. R. Srinivasa Reddy	CO ₂ Mitigation and Cultivation of oil rich microalgae for Bio-fuel production	20.91	Completed
20	Dr. B. J. K. Singh	Molecular characterization of plant Endo-N-Acetylglucosaminidases (ENG Gase)	16.47	Completed
21	Ms. Swapna Koneru	Absorption and emission characteristics earth doped glasses for efficient lasers	21.7	Completed
22	Dr. Gouthu Uma	Global studies on ionospheric density irregularities during quiet time using space-based remote sensing techniques	19.3	Completed
23	Dr. K. Raghava Rao	Web description and building models for sensors to discover knowledge for prediction and decision making	15.54	Completed
24	Ms.S. Srijaya Lakshmi	Systematic Designing of compact slot antennas for wireless LAN applications	24.55	Completed
25	I. Govardhani	Experimental Studies on Ku and Ka-band Satellite Signal Propagation Impairments	25.5	Completed
26	K. Ch. Sri Kavya	Communication Platforms using the Low Cost Transceivers setup's for Quick Establishment and Operation during Disaster Situations	25.45	Completed
27	Ms.K. Chandrika	An integrated process development for continuous	26	Completed

		sequestration of CO ₂ and the production of value added products		
28	Ms. Deevi Radha Rani	Securing the Embedded Systems from side channels	21.6	Completed
29	Dr. K. Sarat Kumar	Design of Low Cost Amateur Radio SATELLITE Compatible Transceiver Setup's for Operation and Quick Establishment of Communication Platforms for during Disaster Situations (A Means to Save the Life during Disasters)	9.28	Completed
30	Dr.A.Srihari Prasad	Experimental investigation of thermos-mechanical properties of natural fiber-reinforced composite materials.	8.7	Completed
31	Mrs.Sk.Mahamuda	Spectral Studies of Neodymium doped glass and glass ceramics for efficient laser action	14.98	Completed
32	Mrs.G.Swapna	Screening the mitigation of carcinogenic P AHs and CO emissions of flue gases by microbial consortia	22.4	Completed
33	Dr.T.Venkateswara Rao	Insilico approaches to multitarget ligand designing and assay based screening of Acetylcholinesterase inhibitors	27.2	Completed
34	Dr.R.Srinivasa Reddy	Novel Biorefineries : Design and process development for production of high value products and biofuels from microalgal consortium	60.81	Completed
35	Dr. B. J. K. Singh	Allergen Epitope Mapping and In vivo screening of Pro-inflammatory Cytokines	12.292	Completed
36	Dr.D.Venkata Ratnam	Development of Ionospheric forecasting models for satellite based Navigation systems over low latitude stations	21.33	Completed
37	Dr. A. Srinath	Design and Development of Robotic Set up for Cardio Pulmonary Disorders - Emphasis on Cardiac Resuscitation	17.71	Completed
38	Dr.K. L. Narayana	Matching and Shaping of Material Employing WEDM	13.75	Completed
39	Dr.P.Raja Babu	A Study On Financial Inclusion in Krishna District	7	Completed

40	Dr.K. L. Narayana	8 th Meeting of the programme Advisory Committee on Atmospheric sciences (PAC-AS)	9.75	Completed
41	Dr. K. Subrahmanyam	DST INSPIRE INTERNSHIP SCIENCE CAMP	8	Completed
42	Dr.K. L. Narayana	100 th meeting of the expert committee on Science Technology for Women-SEED	10.5	Completed
43	Mrs.N. Krishna Jyothi Dr.K. Vijay Kumar	Development and Characterization of Nano-structured conducting polymer electrolyte system for electrochemical cell applications	23.8	Ongoing
44	Ms. Shechinah Felice Choragudi Dr.B. Jaya Kumar Singh	Characterization of Pollen specific Polygalacturonase of Sorghum bicolor	19.4	Ongoing
45	Mrs.R. Revati Dr.K.S. Ramesh	Study of Dynamical Coupling between Ionospheric and Earth,s Atmosphere subject to Meteorological and Seismic Disturbances over a Coastal area (Guntur) by installing GPS receiver	26.5	Ongoing
46	Dr.M. Sudhamani	Application of Therapeutic sugar producing lactic acid bacteria in diabetes and obesity management	25	Ongoing
47	HOD	Antennas, RF & Microwave Engineering	55	Ongoing
48	Dr.K. Sarat Kumar Dr.D. Venkata Ratnam	Ku band propagation impairments studies over Indian region to develop rain attenuation contours and suitable models	39.81	Ongoing
49	Dr.B. Mahendran Dr.K. Vijaya Kumar	Targeted Delivery of Nanoparticle to Enhance DR5-DDX3 Mediated Apoptosis in Tumour Environment	42.95	Ongoing
50	HOD	Robotics & Mechtronics Lab	55	Ongoing
51	Dr.K. Satya Ramesh Dr.D.V. Ratnam	Study of Subtropical Ionospheric Electron Irregularities and Seismo-Inonospheric Perturbations using GPS Receivers - Reg.	31.11	Ongoing
52	HOD	Centre for Atmosphere Science Research Studies	47	Ongoing
53	HOD	Internet of things (IoT) Research Laboratory	45	Ongoing

54	Dr.G.V. Subba Rao	Depth Resolution and Sizing Studies in Thermal Wave Detection and Ranging (TWDAR)	29.47	Ongoing
55	Dr.B. Mahendran	Identification and characterization of DDX3 interactive proteins in the development of Breast Cancer	19.56	Ongoing
56	Dr.B. Jaya Kumar Singh	Development of ELISA based diagnostic kit for the plant pollen cross reactive allergens	28.34	Ongoing
57	Dr.A. Srinath	Development of CPR Apparatus using AI interface	29.8	Ongoing
58	Mr. J. Somlal	Fuzzy based space vector PWM Controlled slant hybrid active power filter for power conditioning	19.2	Ongoing
59	Dr.B. Pradeep Kumar	Development of electrochemical Immunosensor as a prostate cancer diagnostic tool	20	Ongoing
60	Dr.G.V. Subba Rao	Subsurface analysis using compressed infrared imaging	30	Ongoing
61	Dr.D. Venkata Ratnam	Stimulation of adoptive Kalman Filter for unmanned Air craft vehicles (UAV) 2015-17	30	Ongoing
62	Dr.S.R. Krishna Motukuri	Transcriptome analysis of Chilli against drought	20	Ongoing
63	Dr.B. Pradeep Kumar	An ultra-sensitive electrochemical sensing platform for prostate cancer diagnosis at early stage	20	Ongoing
64	Mr. Maddila Srikanth	Maximum Power Point Tracking Applications for DC Distribution System by Integration of Buck-Boost Converter	27.79	Ongoing
65	Ms.Ch. Chitrlekha Dr.B. Mahendran	Screening and Characterization of SNP associated Sex linked Biomarkers	23.1	Ongoing
66	Ms.K. Lavanya Dr.B. Mahendran	Isolation and Characterization of Human COX-2 Inhibitors from Cyperus scariosus R.Br rhizomes	23.65	Ongoing
67	Dr.G.V. Krishna	Red mud as an adsorbent for	17.82	Ongoing

	Mohan	removal of pollutants		
68	Mr.M. Nageswara Rao	Integration of Strategic Tactical and Operational level Planning of Scheduling in Flexible Manufacturing System	59.229	Ongoing
69	Dr. Obbu Chandra Sekhar	Development and Performance Evaluation of Controlled Techniques for Multi-Point Clamped Inverter fed Direct Torque Control Induction Motor Drive	34.41	Ongoing
70	Dr. Kumar Naik	Analysis and Design of Concentric Circular Ring Microstrip Patch Antenna	35.5	Ongoing
71	Dr.A.Venkateswara Rao	Synthesis, characterization and evaluation of nanostructured spinel thin-film LiMn ₂ O ₄ cathode active materials with hetero valent multi ion insertion: Application for rechargeable microbatteries	37.54	Ongoing
72	Dr.D. Aruna Kumari	Design and Development of an Effective Privacy Preserving Data Mining Technique for Cardiac, Cancer and Diabetic Healthcare.	35.78	Ongoing
73	Dr.S. Koteswara Rao	Advanced Submarine Target Motion Analysis	18.76	Ongoing
74	HOD	Metabolic Engineering lab	67	Ongoing
Total Amount			1572.56	

The University has also provided support to faculty and students to participate in national and international Seminars, Conferences and other events. Last year has witnessed a greater focus in building research facilities augmented by funding from various national funding agencies. New labs have been added during this year. Resources have been generated by the faculty through sponsored research projects which has added value to their research and technology development. Faculty members of the University have

actively involved themselves in consultancy projects from various organizations. A total of 74 sponsored projects worth **1572.56 lakhs** are the research assets of the faculty of the University. During this year more than 27 research and consultancy projects from various funding agencies have been sanctioned with a total budget outlay of over Rs.655 lakhs. I offer congratulations to the faculty members for getting these grants. I am sure that the number of extramural projects will further increase during this year.

In addition, numerous schemes under internal funding for faculty who need institutional support for kick-starting their research and innovations are available. Such efforts lead to better teaching and research outcome. In the current year alone, 10 internal funded projects with a cost value of 21.6 lakhs were sanctioned and 10 more projects worth 50 lakhs are in pipeline sanctioned and ready to be taken up by the faculty.

The faculty members of the KLU have been active in doing research and publishing papers in journals and conference proceedings as evident from the total number of publications which is 4030. Out of these 2401 are INDEXED in SCOPUS/SCI whereas 1629 are categorised under others. In this year alone, the faculty members and the research scholars have published around 975 research papers in peer reviewed journals and around 750 papers were presented in national and international seminars and conferences, making a total of 1725 research papers indexed in international databases like Scopus and SCI. The papers have been getting many more citations than before thereby pushing up the 'h' index. Some of the faculty members and students of the University have also published books.

5.1 Research awards by UGC

Four of our faculty have received awards out of 100 awards issued by UGC to the professors working in our entire country

Serial Number	Name of the Faculty	Department	Position	Area of the research
1	Dr. D.V. Ratnam	ECE	Professor	Communications
2	Dr. G.V.Subba Rao	ECE	Professor	Thermal Imaging
3	Dr. B. Pradeep Kumar	Chemistry	Assistant Professor	Bio-Sensors
4	Dr. MSR Krishna	Bio Technology	Assistant Professor	Agricultural Bio-Technology

It is creditable that the Research and Development Cell of the University has organized 3 INSPIRE programs under the auspices of the Department of Science & Technology (DST) and trained about 450 school children for making innovations. The children had chance to interact with top class scientists of the country.

The University has organized 23 International and National seminars, Conferences and Workshops. To name a few: SPACES 2015, ICAESW 2015, RABAEB 2015 NCBR 2015 etc.

S.No	Title of the conference held	Department which held the conference
1	International Conference on "SPACES".	ECE (2 nd & 3 rd January 2015)
2	International Conference on "Advances in English Studies & Women Empowerment-2015."	English (21 st & 22 nd August 2015)
3	Recent Advances in Biosciences and applications of Engineering in production of Biopharmaceuticals.	BT (14 th to 16 th December 2015)
4	National Workshop on "ANSYS"	CIVIL (20 th December-2014)
5	National Conference on "Recent Advances in Communication and Information Technologies" (RACE-IT-2015)	ECE Sponsored by DST (2 nd & 3 rd January-2015)
6	National Workshop on "Environmental Geo Informatics"	CIVIL (24 th January-2015)
7	National Workshop on "Enterprise Big data Analytics".	CSE (9 th & 10 th February-2015)
8	National Conference "PEPSCON-2015".	CIVIL 6 th to 7 th March-2015)
9	National Workshop on "Speaker Emotion Recognition using MATLAB".	ECM (11 TH March-2015)
10	National Conference on "Recent Advances in Communication Engineering and Information Technologies".	ECE (12 th to 14 th March 2015)
11	National Conference on "Green methodologies for sustainable Future".	Chemistry (13 th & 14 th March-2015)
12	National Workshop on "Emerging Trends in Renewable Energy (NWETR-2015)".	EEE (18 th & 19 th March-2015)
13	National Workshop on "Essence of Mathematics and Engineering Applications".	Maths (26 th & 27 th March-2015)
14	National Conference on "Transaction, language and Literature".	English (28 th & 29 th March- 2015)
15	National workshop on "Intellectual property Rights and Scholarly Publishing Tools for Quality Research (ISTQR-2015)	Central Library (9 th & 10 th May-2015)
16	National Conference on "Advancements in Embedded Systems and Sensor Networks".	ECM (22 nd & 23 rd May-2015)
17	"ETHICAL HACKING" conducted by IEEE students chapter.	EEE (13 th & 14 th August-2015)
18	National Seminar on "Biotrendz-2015"	BT (27 th August-2015)

19	National workshop on “Recent Trends in BIG DATA Analytics”.	ECM (28 th & 29 th August-2015)
20	National Conference on “Emerging Trends of Advanced Functional Materials”.	Physics (3 rd & 4 th September-2015)
21	National Seminar on “Intelligence Systems”.	ME (12 th September-2015)
22	National workshop on “3D Printing & Manufacturing”.	ME (18 th & 19 th September-2015)
23	National Workshop on “Planning and Construction of Highways Bridges and Pavements”.	CIVIL (21 st September-2015)

The University hosted the PAC meeting on Atmospheric Sciences by Scientific & Engineering Research Board of the DST and 100th meeting of the Expert Committee on Science & Technology for Women in the campus.

6.0 Infrastructure and Learning resources

6.1 Research Centers

The University has been pursuing with its policy of engaging its faculty members in carrying out high-end research in emerging areas of national and international importance. Research laboratories for Communication and Atmospheric Sciences have been established. Various Centres of Excellence like Centre of Excellence for VMware, Centre of Excellence for EMC, Centre of Excellence for iii (petrofac), Centre of Excellence for IPsoft, Centre of Excellence for Wipro, Centre of Excellence for C-DAC and Centre of Excellence for Embedded Applications have been established and are operational.

S.No	Name of Excellence Centre	Name of the Professor In-charge
1	VMware	Mr. B. Thirupathi Reddy, Associate Professor, CSE
2	E M C	Dr. K.V.D Kiran, Assistant Professor, CSE
3	iii (Petrofac)	Dr. Ravindra Dadaji Jilte, Professor, ME
4	IPsoft	Mr. M. Vishnuvardhan, Associate Professor, CSE
5	Wipro	Dr.Y. Prasanth, Professor, CSE& Mr.K. Ravindranath, Assistant Professor, CSE
6	C-DAC	Dr. K. Raghava Rao, Professor, ECM

7	NI Centre of Excellence	Dr. K. Srinivasa Rao, Professor, ECE
8	Embedded Applications	Prof. P. Satyanarayana, Associate Professor, ECE

6.2 Central Library

The Central Library is an essential component of the University's outstanding research and education mission and occupies a place of pride in the University. The university has established a huge library that meets the requirements of the students, scholars and the faculty.

Serial Number	Type of resource	Numbers/ memberships
1	Book Volumes	1,39,187
2	Book Titles	36031
3	Online Journals	21459
4	e-books	152045
5	International Hard Copy Journals	101
6	National hard Copy Journals	409
7	Memberships and subscriptions	INFLIBNET ASME ASCE IEEE ACM MAA MIS STM Springer Link J gate DELNET EDSCO PROWSE Bio Pharm Geo Technical
8	CDS and VCDs	8863
9	International open access Journals	2

The University has improved its infrastructure facilities like lecture halls, auditoriums, guest house and video-conferencing which have become world class. The University has upgraded its library facilities and several additional e-journals and e-books are now available. New block of the school of Mechanical Engineering has been started, new block for Central Library and Professor Centric Laboratories have become operational this year.

7.0 Student Progression and support

K L University has signed MoUs seeking academic partnership with foreign Universities. Renowned experts from many partnering Universities have been visiting us to deliver courses at both UG and PG levels as well as for taking up joint research projects and joint Ph D guidance. We are also working on student exchange programs.

The following Professors from abroad have visited KL University to deliver courses at the campus for the benefit of the students.

Name of Professor	Course delivered
Dr. Yarlagadda Prasad, Queens Land University, Australia.	Biotechnology, Mechanical Engineering, Computer Science Engineering.
Dr. Prathap Reddy, Rochester University, USA	Electronics and Communication Engineering
Dr. Chari Kandla, Scientist, United States Dept. of Agriculture, Georgia, USA	Biotechnology, Electronics and Communication Engineering
Dr. Raghu Echempati, Kettering University, USA	Mechanical Engineering
Dr. Harrico Gonzalez, National College of Ireland, Ireland	Computer Science Engineering
Dr. Suzanne Zyngier, La Trobe University, Australia	MBA and BBA
Dr. .ChandraSekhar, University of California	CIVIL Engineering
Dr.Voicu Sucals	MBA(Gen) MBA(TN) and BBA
Dr.Anastauciu	CIVIL Engineering
Dr.Chary	ECM & BT

7.1 Student's Achievements

The University is proud of placing it on record that it has achieved 100% placement for the 2015 passed-out students. In a way it indicates the quality of education provided by the University. During this year 90 companies visited the University. The recruiting companies include Infosys, Wipro, CTS, and some of the Fortune companies such as VISA inc., ADP, CDK Global, Huwaei, and other companies such as Flipkart, NTT data, Tech Mahindra, I-Gate, Hyundai, Amar Raja, Cyient Technologies etc.,

The University has provided the following avenues for the student community to nurture their inner hidden talents:

- i. NSS Wing – This wing regularly organizes various programs to sensitize the students with respect to their obligation to the society through blood donation camps, tree

plantation, conducting awareness programs and literacy drives in the villages, and distributing funds, medicines and clothes among the needy.

- ii. Hobby Clubs – Around 22 student activities and clubs such as Music club, Dance club, Drama club, Literary and Speaking club, Photography club, Journalism club, Painting club, Sports club, Cultural club, Technical club, Movie club, Trekking club, Designing Club, etc. operate in the campus wholly managed by the students. Through these clubs every year we organize a National level Techno management fest, cultural fest, Women’s day celebrations, Republic day, Independence Day, Department fests, Awareness drives etc. KLUSO i.e.; K L University Student Ordinate is an official student body of K L University where each and every Kluian by default becomes the member of this ordinate as soon as they get admitted into the university. This will be used as a platform by students for showcasing, exploring and molding their talent by joining in any of the 22 clubs that exist in KLUSO.
- iii. Life Skill and Inner Engineering – This University strongly believes that it is its responsibility to mould the students as good human beings. Along with the regular programs every student admitted into KLU undergoes one week of special orientation program on life skills. Strict regularity, implicit obedience, courtesy in speech and conduct, cleanliness in dress, etc are held in esteem.

8.0 Governance and Leadership

KLU has eight academic departments and a number of centres to carry on specialized studies and research in emerging and thrust areas of national importance. After KLCE got graduated to KLU, several new programs have been initiated in diverse fields based on the present need of the society. Introduction of Ph. D. & M. Phil are one of such initiatives.

9.0 Innovative Practices

The university has introduced a number of innovative practices during the year which include the following

1. Project based LABS
2. LABS taken into class rooms
3. Outcome based delivery system

Project based LABS and LAB taken to class is a cutting-edge research and learning facility in the University, a process of teaching and learning that focuses on problem-based, project-centered activities, which take the idea of learning-by-doing. Each lab features classroom sessions coupled with a project. At the end of each session, students take the myriad lessons learned and apply them to other courses and action learning projects. Within this framework students pursue solutions to non-trivial problems by asking and refining questions, debating ideas, making predictions, designing plans and /or experiments, collecting and analyzing data, drawing conclusions, communicating their ideas and findings to others and creating artifacts

The University has been following Choice based Credit System for quite some time, making the curriculum interdisciplinary. Interdisciplinary approach enables integration of concepts, theories, techniques, and perspectives from two or more disciplines to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline.

The University has already initiated Outcome Based Education. The focus on outcomes creates a clear expectation of what needs to be accomplished by the end of the course. Students will understand what is expected of them and teachers will know what they need to teach during the course. With a clear sense of what needs to be accomplished, instructors will be able to structure their lessons around the student's needs. OBE does not specify a specific method of instruction, leaving instructors free to teach their students using any method. Instructors will also be able to recognize diversity among students by using various teaching and assessment techniques during their class. OBE is meant to be a student-centered learning model. Teachers are meant to guide and help the students understand the material in any way necessary, study guides, and group work are some of the methods instructors can use to facilitate students learning.

9.1 INDIVIDUAL ACHIEVEMENTS IN GAMES AND SPORTS

Our University is committed to making the students' educational experience multifaceted and holistic. This commitment is very evident with world class sports facilities, holding sports meets, and encouraging and facilitating student participation in national and international level competitions.

The following players of our K L University are Medalists in the International, National, and South Zone & State Tournaments in different Games & Sports for the year 2014-15 and 2015-16.

1	V.Jyothi Surekha	Archery	International level	Individual Gold Medal	2 nd stage Asia Cup-2015 held at Bangkok, Thailand from 15 th to 20 th March-2015
2	V.Jyothi Surekha	Archery	International level	Mixed team Silver medal	2 nd stage Asia Cup-2015 held at Bangkok, Thailand from 15 th to 20 th March-2015
3	V.Jyothi Surekha	Archery	International level	Team Silver Medal	2 nd stage Asia Cup-2015 held at Bangkok, Thailand from 15 th to 20 th March-2015
4	V.Jyothi Surekha	Archery	International level	Gold	Mixed event World University games held at Gwangju, south korea from 4 th to 15 th

					july 2015.
5	V.Jyothi Surekha	Archery	International level	Silver	Mixed event World University games held at Gwangju, south korea from 4 th to 15 th july 2015.
6	V.Jyothi Surekha	Archery	International level	Bronze	Mixed event World University games held at Gwangju, south korea from 4 th to 15 th july 2015.
7	V.Jyothi Surekha	Archery	International level	Gold (2 medals)	36 th Senior national championship at Meerut in 2 nd week of October-2015.
8	V Gayathri	Athletics	District level	1 st place	A.P junior Inter District Athletics Championship 2015 held by Guntur District Athletics association 2015 at Brahmananda reddy stadium, Guntur from 22 nd to 23 rd August2015.
9	V Gayathri	Athletics (2000mts)	District level	1 st place	District junior (V-18) meet held at Indira Gandhi stadium, Vijayawada on 18-8-2015.
10	J Jithendra	Athletics (1500mts)	District level	1 st place	District junior (V-18) meet held at Indira Gandhi stadium, Vijayawada on 18-8-2015.
11	K. Siva Kumar	Athletics (800mts)	District level	1 st place	District junior (V-18) meet held at Indira Gandhi stadium, Vijayawada on 18-8-2015.
12	S Jagadish	Athletics (100mts)	District level	1 st place	District junior (V-18) meet held at Indira Gandhi stadium, Vijayawada on 18-8-

					2015.
13	V.V.K. Sankeerth	Badminton (Boys Singles)	District level	1 st place	Krishna District Badminton championships 2015 held at D.R.M.C Indoor stadium, Vijayawada from 10 th to 12 th july,2015
14	V.V.K. Sankeerth	Badminton (Boys Doubles)	District level	1 st place	Krishna District Badminton championships 2015 held at D.R.M.C Indoor stadium, Vijayawada from 10 th to 12 th july,2015
15	V.S.S. Kaushik	Table tennis	National level	1 st place	Vignan 2k15 sports fest held at Vignan University, Guntur from 28-01-2015 to 30-01-2015.
16	KLU Chess Team	Chess	National level	1 st place	Vignan2k15 sports fest held at Vignan University, Guntur from 28-01-2015 to 30-01-2015.
17	V.S.S. Kaushik	Table tennis (Doubles)	National level	1 st place	Revels cup 2015 held at Manipal University from 12 th to 14 th march-2015.
18	N.P. Sandeep	Table tennis (Doubles)	National level	1 st place	Revels cup 2015 held at Manipal University from 12 th to 14 th march-2015.
19	Prudwi sai	Table tennis (Singles)	National level	1 st place	Revels cup 2015 held at Manipal University from 12 th to 14 th march-2015.
20	K.S.S. Manish	Table tennis	National level	1 st place	Revels cup 2015 held at Manipal University from 12 th to 14 th march-2015.
21	E. Ashok Mourya	Volley Ball(Men)	National level	1 st place	7 th Indian open inter Engineering collegiate sports fest 2015 at VNR VJIET, Hyderabad from 3 rd to 4 th march

					2015
22	B.K. Tanisha	Budding Business manager	National level	1 st place	Business show 2015 organized by Weston college of hotel management Vijayawada on 7 th Feb 2015.