Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**Dr V V Rama Reddy**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08922241111**
Mobile no.	**9490304747**
Registered Email	**lendi_2008@yahoo.com**
Alternate Email	**siri_venkat@rediff.com**
Address	**Lendi Institute of Engineering & Technology,Jonnada(V), Denkada (M), Vizianagaram**
City/Town	**Vizianagaram**
State/UT	**Andhra Pradesh**

Pincode	**535005**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**K V NARASIMHAM**
Phone no/Alternate Phone no.	**08922241111**
Mobile no.	**9866278504**
Registered Email	**iqac.lendi@gmail.com**
Alternate Email	**narasimham_kv@yahoo.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.lendi.org/IQAC/AQAR2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.lendi.org/index.php?option=com_content&view=article&id=398&Itemid=1470

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Validity Period To
1	**A**	**3.02**	**2017**	**08-Jun-2017**	**08-Jun-2022**

6. Date of Establishment of IQAC	**01-Jul-2016**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
No Data Entered/Not Applicable!!!		
View File		

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. A Workshop on Outcome Based Education Frame WorkDesign, Implementation and Evaluation. 2. An Expert Talk on Blooms Taxonomy Preparation Quality Question Paper. 3. Academic Audit and Admirative Audit on various Departments. 4. A workshop on New NAAC Assessment and Accreditation Methodology. 5. Responsible for collecting and analyzing Student feedback.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	**No**
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**21-Jan-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Yes If yes, give a brief description and a list of modules currently operational. The College has Management Information System namely ECAP software and it contains academic and administrative features. The main features are given below: i. Students Attendance, Time table, Marks, Fees, student profiles etc. ii. Faculty Attendance, Time table, daily attendance marking, faculty profiles etc iii. Communications etc. iv. Students and Faculty activities etc. v. Autonomous exam cell automation for pre post examination process along with examination conduction.**

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institution has the mechanism for well-planned curriculum delivery and documentation. As the institution is affiliated with Jawaharlal Nehru Technological University, Kakinada (JNTUK), it adheres to the university academic calendar for the smooth conduction of regular academic activities. The department academic calendar is prepared in accordance with the same. The teaching and learning processes undertaken by the department include various instructional methods and pedagogical initiatives and are discussed below in detail ? Teaching Process a) Preparing the Lesson Plan: A lesson plan is a vital component to keep the teachers organized in conducting the class works accurately and provide easy access to the students. b) Providing Question Bank to students: Provision of question bank to students at the end of every unit helps them to prepare well for the examinations. c) Quality of laboratory

experiments with regard to the conduct of experiments: students come to the laboratory well prepared and conduct laboratory experiments (in groups of three) by making effective usage of available equipment under the mentorship of faculty. • After completion of every experiment, viva-voce is conducted to assess the knowledge levels of the student relevant to that particular experiment. • Finally, an Internal Assessment test is conducted to award the final internal mark d) Encouraging Bright Students: As a part of encouraging bright students: • Advanced learners are encouraged to take up various certificate courses, take up choice-based Projects, and present papers in conferences/journals. • Institutional Entrepreneurship Development Cell (EDC) is set up to encourage advanced learners to become entrepreneurs. Advanced learners are encouraged to attend lectures/Workshops (on advanced topics) outside the campus to enrich their knowledge levels.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Artificial Intelligence : Search Methods for Problem Solving	Skill development	01/07/2019	3	Employabil ity	Skill Development
Blockchain Architecture Design and Use Cases	Skill development	21/07/2019	3	Employabil ity	Skill Development
Deep Learning	Skill development	12/08/2019	3	Employabil ity	Skill Development
Ethical Hacking	Skill deve lopmentSkill developmentS kill development	09/09/2019	3	Employabil ity	Skill Development
Fundamentals of Artificial Intelligence	Skill development	16/09/2019	3	Employabil ity	Skill Development
The Joy of Computing using Python	Skill development	23/09/2019	3	Employabil ity	Skill Development
Python for Data Science	Skill development	30/09/2019	3	Employabil ity	Skill Development
Practical Machine Learning with Tensorflow	Skill development	07/10/2019	3	Employabil ity	Skill Development
Introduction to R Software	Skill development	14/10/2019	3	Employabil ity	Skill deve lopmentSkill development

Course	Type	Date	Credits	Category	Type
Introduction to Blockchain Technology and Applications	Skill development	21/10/2019	3	Employability	Skill development
Google Cloud Computing Foundation Course	Skill development	28/10/2019	3	Employability	Skill development
Programming, Data Structures And Algorithms Using Python	Skill development	18/11/2019	3	Employability	Skill development
Data Structure Lab	Skill development	12/06/2019	3	Employability	Skill development
Industrial soft skills	Skill development	12/06/2019	3	Employability	Skill development
Embedded system Lab	Skill development	18/11/2019	3	Employability	Skill development
Embedded C	Skill development	12/06/2019	3	Employability	Skill development
Aptitude Reasoning	Skill development	18/11/2019	3	Employability	Skill development
Embedded Controllers	Skill development	18/11/2019	3	Employability	Skill development
Electronic workshop (IoT workshop)	Skill development	18/11/2019	3	Employability	Skill development
Basics of MATLAB	Skill development	08/07/2019	3	Employability	Skill development
ORCAD Programming	Skill development	11/11/2019	3	Employability	Skill development
Practical orientation on instruments used in power plants	Skill development	07/08/2019	3	Employability	Skill development
Substation maintenance and power system protection	Skill developmentSkill development	16/12/2019	3	Employability	Skill development

Name	Type	Date	Credits	Category	Skill
ON Grid OFF Grid Solar Power Supply	Skill development	11/07/2019	3	Employability	Skill development
Programmable Logic Controllers	Skill development	08/07/2019	3	Employability	Skill development
Automotive - 2 Wheeler Foundation	Skill development	14/05/2019	3	Employability	Skill development
Research Aptitude, RD	Skill development	24/06/2019	3	Employability	Skill development
3D Printing	Skill development	02/03/2020	3	Employability	Skill development
Electric Kart	Skill development	23/12/2019	3	Employability	Skill development
Ansys work bench	Skill development	01/07/2019	3	Employability	Skill development
Robotics and Automation	Skill development	09/09/2019	3	Employability	Skill development
Pro-E	Skill development	11/03/2020	3	Employability	Skill development
Hyper-Mesh	Skill development	14/10/2019	3	Employability	Skill development
Solid works	Skill development	03/02/2020	3	Employability	Skill development
MATLAB for Mechanical Engineers	Skill development	10/02/2020	3	Employability	Skill development
Rivet Software	Skill development	28/01/2020	3	Employability	Skill development
Productive Tool in Auto CAD	Skill development	23/09/2019	3	Employability	Skill development
NPTEL	core	10/06/2019	2	academic	advanced skill
British English council(BEC)	soft skills	Nil	2	Employability	soft skills
Speech Skill Enhancement with Global testing service in Higher	soft skills	Nil	2	Employability	soft skills
Writing for Academic	soft skills	Nil	2	Employability	soft skills

purposes
with the
help of
global
testing
service in
Higher
Education
(GETSHE)

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Computer Science and Systems Engineering	03/08/2019
Mtech	Power System & Control Automation	03/08/2019
Mtech	Machine Design	03/08/2019
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer Science and Engineering	03/06/2019
BTech	Electrical and Electronics Engineering	03/06/2019
BTech	Electronics and Communication Engineering	03/06/2019
BTech	Mechanical Engineering	03/06/2019
BTech	Computer Science and Systems Engineering	03/08/2019
Mtech	Computer Science and Engineering	03/06/2019
Mtech	Embedded Systems & VLSI Design	03/06/2019
Mtech	Power System & Control Automation	03/08/2019
Mtech	Machine Design	03/08/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	2400	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The feedback analysis process consists of the following steps: a. Feedback Collection Process: The teaching-learning system followed by an educational institution needs continuous refinement. To ensure this happens -the institution follows a well-defined feedback system of collecting feedback from different stakeholders like parents, students, faculty, graduate students, alumni students, and recruiters, etc. b. Feedback Assessment Process: The feedback assessment process is comprised of the following steps: 1. Feedback data is scrutinized at the department level by the HOD. 2. All parameters mentioned in the feedback forms are thoroughly analyzed and relevant feedback index percentages are calculated for each faculty concerning the respective subject. 3. Ability of teaching levels is identified to improve the teaching-learning process. 4. All observations specified by the students in the feedback process are taken care of by advising/counseling relevant subject/Laboratory faculty. 5. Based on the feedback levels, faculty are driven to know their strengths and weaknesses to further enhance their teaching skills. c. Corrective Measures System of Rewards: Faculty performing better are rewarded with a letter of appreciation and cash prizes on teacher's day (5th September) every year. The annual performance of faculty members is also one of the factors being considered at the time of providing annual increments. Corrective Measures: • After analyzing the feedback information by the HOD, Faculty who are performing below average are motivated to attend Faculty Development Programs within the campus and outside the campus in order to improve their quality of teaching. • If feedback is Poor (less than 60) - HOD and Principal Counsels staff to overcome the identified weakness. d. Indices for Measuring Quality of Teaching and Learning: The following parameters are used to ascertain the quality of the teaching and learning process. • Teaching Methodology • Technical Knowledge of faculty • Communication Skills of faculty • Punctuality and Timeliness • Classroom control • Student Evaluation process The above indices are meant to improve the Faculty Performance, teaching effectiveness, change the attitude of Faculty, appreciate the efforts of faculty, encourage interactive learning in the classroom environment, and finally ensure student satisfaction. Process of Summarising the Index Values: The process of ascertaining the quality of feedback on faculties is described below on all subjects. In the offline feedback process with Each Subject can be graded by the student as 1-Excellent, 2- good, 3-Average 4-Poor. e. Corrective

Actions Initiated: Faculty members whose feedback grade is less were counseled by the Head of the Department continuously to improve their teaching abilities and enhance subject knowledge levels in order to make their teaching more effective. Faculty members are motivated to attend FDP's, STTP's, Workshops and Seminars, etc. Overall, the feedback collection, analysis, and corrective action mechanism adopted led to an overall improvement in the performance levels and quality of teaching levels thereby transforming the teaching-learning process into an effective one.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	Machine Design	18	12	12
Mtech	Power System & Control Automation	18	18	18
Mtech	Embedded Systems & VLSI Design	18	12	12
Mtech	Computer Science and Engineering	18	3	3
BTech	Computer Science and Systems Engineering	66	62	62
BTech	Mechanical Engineering	132	84	84
BTech	Electronics and Communication Engineering	198	180	180
BTech	Electrical and Electronics Engineering	132	93	93
BTech	Computer Science and Engineering	198	193	193
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses

| 2019 | 2456 | 46 | 134 | 12 | 146 |

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
146	146	24	24	6	3

View File of ICT Tools and resources

View File of E-resources and techniques used

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Lendi Institute of Engineering and technology has an effective mentoring system to guide and motivate every individual student for academic and professional development. The Mentoring system is mainly focussed on providing guidance to students in the following aspects: Professional guidance, Guidance for career advancement, Course-work specific and Laboratory specific guidance, and All-round development of students A. Professional Guidance: Professional Guidance at Department–Level Includes: i) Industrial Interactions: Industrial interaction programs are arranged once or twice in every semester with eminent persons from core industries to educate all the 2nd, 3rd and 4th-year students about the core engineering practices and advancements being followed in industries in order to bridge the academics and industry gaps. ii) Guest Lectures/ Seminars: By resource persons from faculty within the institution as well as from outside premier educational institutions are arranged to educate the students of 2nd, 3rd, and 4th year about topics relevant to the curriculum and few advanced topics of interest. iii) Work Shops: Workshops relevant to specific technical concepts with incorporated hands-on experience are conducted once in every semester. Students are made to do various exercises as a part of attending workshops. iv) Faculty Counsellors: Every faculty member acts as a counselor for around 10 to 12 students. Faculty counselors educate students about building a professional career through attending various technical talks, seminars, group discussions, and interactive sessions relevant to technical advancements in industries. Faculty counselors continuously interact with other subject faculty to know about the academic progress of counseling students. v) Head of Department Interaction: Head of Department continuously counsels the students frequently by inquiring about the progress of every student from the respective faculty counselors, class in-charges, and other subject faculty, etc. B. Professional Guidance at Institution Level Includes i)Personality Development Programs: In order to enhance the characteristics like qualities, characteristics, attitudes, psychological traits, beliefs, and motives in each and every student of the institution, personality development programs are arranged once in every semester. ii) Industrial Interactions: Industrial interaction programs are organized by the Training and Placement cell once in every semester with eminent persons from industries. iii)Interaction by Head of the Institution: C. Guidance for Career Advancement: The Training and Placement (TP) Cell of the institution arranges various interactive sessions with people from industries and Alumni to train all students. D. Course Specific and Laboratory Specific Mentoring: Mentoring process by faculty includes guiding students with respect to the academic courses and laboratories. E. All-around development: Mentoring towards "All Round Development of students emphasize more on developing the technical knowledge base, communication skills, logical and analytical thinking abilities, ethical thinking and character development, etc. to transform them into all-round, successful, and competitive citizens of tomorrow. The Principal Head of the Department, Faculty counselor, Women Empowerment Cell are continuously interacting with students to motivate them about developing leadership and team working abilities. The Institution continuously encouraged and motivated the students to participate in various department level, institution level extra-curricular events in order to exhibit their inherent talents.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2502	146	1:17

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned	No. of filled positions	Vacant positions	Positions filled during	No. of faculty with

positions			the current year	Ph.D
146	125	21	21	27

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
View File			

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

a. Internal Question paper: i. Question paper for mid-examinations will be prepared by respective subject faculty to assess the student's knowledge levels, application abilities, and analytical skills. ii. All the semester mid-examination question papers are framed to achieve the specified course outcomes – in accordance with the revised Bloom's Taxonomy levels. iii. Two sets of question papers are prepared by respective subject faculty, one set will be selected by the Head of the Department. iv. Detailed answers and scheme of evaluation for the question paper for mid-examinations will be prepared by respective subject faculty. v. At the time of evaluation, concerned subject faculty clearly specifies any advice/suggestions for improvement in the comments section of the answer scripts. vi. Evaluated mid-examination answer scripts are distributed to ensure the students satisfaction of evaluation clearly specifying the comments in the answer scripts. vii. Further these answer scripts are verified by the IQAC to assess the quality of the evaluation advice for revaluation if required. viii. The quality of question paper analyzed by the departmental DAC and necessary suggestions will be given to the concerned faculty for continuous quality improvement, further, the Internal Academic Audit the institute level IQAC will verify the observations and actions taken by the department provides proper guidelines for the concerned faculty. b. Assignment Questions: Assignment questions (five from each unit) are given to the students based on the Course outcomes. The quality of the assignments is verified by IQAC and DAC. c. Project Evaluation: i. The PRC together with the project guide evaluates the quality of the project by conducting periodical reviews. ii. Further the quality of every project can be ascertained by mapping its outcomes relevance to the PO's and PSO's of the program. iii. Every group of students is supposed to submit the project report (in accordance with the stipulated schedule) for evaluation by an external examiner nominated by the university. iv. Students are expected to present their work in front of the external examiner as a part of the external Viva-Voce examination. v. Based on the performance levels of every student, internal and external marks will be awarded.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

As the institution is affiliated to Jawaharlal Nehru Technological University, Kakinada (JNTUK) for 2,3 and 4th years, it adheres to the university academic calendar for smooth conduction of regular academic activities. The department academic calendar is prepared in accordance with the same. College is well prepare academic calender for first year B.Tech and M.Tech and it is implemented effectively. The academic calendars are available in the college website www.lendi.org.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

www.lendi.org

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CSE	BTech	Computer Science and Engineering	175	157	89.71
ECE	BTech	Electronics and Communication Engineering	172	156	90.69
EEE	BTech	Electrical and Electronics Engineering	130	113	86.92
MECH	BTech	Mechanical Engineering	126	105	83.33
CSE	Mtech	Computer Science and Engineering	1	1	100
EM&VLSI	Mtech	Embedded Systems & VLSI Design	1	Nill	0

View File

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

www.lendi.org

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	730	SERBDST	15.62	9.79
Students Research Projects (Other than compulsory by the University)	61	Lendi Institute of Engineering and Technology	0.5	0.5
Any Other (Specify)	730	AICTE	12.37	0
Total	Nill	Nill	28.49	10.29

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Learning Ability and adaptability	Computer Science and Engineering	24/01/2020
Machine Learning	Computer Science and Engineering	23/01/2020
Industry Requirements to the students	Computer Science and Engineering	01/11/2019
IoT	Computer Science and Engineering	11/10/2019
Cisco packet trace-networking simulation tool	Computer Science and Engineering	08/04/2020
Hack Overflow	Computer Science and Engineering	16/02/2020
Java Script	Computer Science and Engineering	12/12/2019
Work shop on Intellectual Property in university and RD instittes	Electronics and Communication Engineering	10/08/2019
Work shop on Intellectual Property Rights (IPR)	Electronics and Communication Engineering	12/09/2019
Seminar on Simulation of Advanced Signal processing in noise channels Using MATLAB.	Electronics and Communication Engineering	21/10/2019
Seminar on Design and Simulation of RF Antennas using MATLAB	Electronics and Communication Engineering	23/10/2019
Seminar on Recent protocols in IoT (6LoWPAN, RPL, MQTT,	Electronics and Communication Engineering	28/05/2020

Zigbee)		
Seminar on Potential IoT applications like Smart health, Smart home, etc	Electronics and Communication Engineering	29/05/2020
Seminar on Accelerating Research	Electronics and Communication Engineering	30/07/2020
Challenges to energy conservation for a developing country-India	Electrical and Electronics Engineering	29/02/2020
Operation and maintenance of power plant	Electrical and Electronics Engineering	07/02/2020
International Faculty Development Programme on "Teach English online"	English	27/05/2020
Webinar on Intellectual Property Rights (IPR)	Mechanical Engineering	11/07/2020
Technical talk on destructive and Non Destructive testing methods.	Mechanical Engineering	18/07/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Incubation Center	Lendi Incubation Center	LIET Management	App Development	App Development	28/10/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Nill	Nill	Nill
View File			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference

Proceedings per Teacher during the year

Department	Number of Publication
Computer Science and Engineering	2
Mechanical Engineering	2
Science and Humanities	8

No file uploaded.

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						

View File

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	65	96	Nill	Nill
Presented papers	24	2	Nill	Nill
Resource persons	Nill	5	Nill	Nill

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			

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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				

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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
201	200.9

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Nill

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation

EZ-Library	Fully	10.0.9.23	2011	
ECAP	Fully	4	2018	

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	31154	8378626	34	8360	31188	8386986
Reference Books	7765	2717750	8	4850	7773	2722600
e-Books	612	Nill	Nill	Nill	612	Nill
Journals	82	187906	67	65343	149	253249
e-Journals	396	1828043	197	729920	593	2557963
Digital Database	13	36170	1	13570	14	49740
CD & Video	6	29871	Nill	Nill	6	29871
Library Automation	26	149205	Nill	Nill	26	149205
Others(specify)	2	6550	7	78899	9	85449

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	625	625	625	0	70	15	540	100	0
Added	125	125	125	0	0	8	117	200	0
Total	750	750	750	0	70	23	657	300	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

300 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and

| Media Lab with Camera, Audio/Video Mixing and Editing facilities | https://www.lendi.org/index.php?option=com_yendifvideoshare&view=category&id=5:mech&Itemid=1473 |

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
3.7	3.7	91	91.16

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The intuition policy manual is available in the website with link http://lendi.org/General/PMM.pdf. Every year, resources are allocated both for maintenance and development depending on the requirement of each Department on a priority basis. Whenever a new equipment is bought, a stock register is maintained duly signed by the head of the department or laboratory in-charge. Any new book or equipment is purchased for library maintained the stock. Every department is provided a sufficient contingency amounts for the smooth maintenance of the labs, classrooms etc. The Head of the department upon utilization should provide the bills for the contingency amount spent so as to get the next year amount released by the principal. The institution has a separate purchase committee in the college and department level to monitor the needs and requirements with respect to purchase of new equipment. The utilization certificate is to be produced at the end of the academic year.

http://lendi.org/General/PMM.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Financial Support	150	736700
Financial Support from Other Sources			
a) National	1.Fee reimbursement 2. National Portal scholar ship	1487	78736400
b)International	Nill	Nill	Nill
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
No Data Entered/Not Applicable !!!					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
24	**24**	**6**

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	**4**
GRE	**1**
Any Other	**9**
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The activity of the Student Council representation of students on academic administrative bodies/committees of the institution is available on the website with the link www.lendi.org. At the department level class representatives (CR's) are elected at the starting of the academic year to act as points of contact between the department and their classmates. They are responsible for student interaction and involvement in day to day activities. At college level, student clubs are promoted for the overall development of the students outside the classroom environment. The institution has 4 student clubs(Lakshya, Dhruva, Taksh, Vidharthri) which are actively participating in seminars, conferences, cultural fests, etc. At the Institution level student union bodies are active and they participate in technical discussions and the overall development of the college. Every department has a student member in every committee to participate in the discussions. IQAC advisory committee has one student representatives to involve themselves in the development of the college.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, The purpose of an Alumni association is to foster a spirit of loyalty and to promote the general welfare of the organization. Alumni associations exist to support the parent organization's goals and to strengthen the ties between alumni, the community, and the parent organization. With this holistic background, Lendi's Alumni Association (LAA) is founded in 2016 and continuing with its good spirit. Its aims and objectives are as following: ? To promote and foster mutually beneficial interaction between the Alumni and the present students of Lendi and between the Alumni themselves. ? To extend the help to the students of Lendi Institute of Engineering and Technology for placement and industrial training. ? To act as a bridge between college and the industries for interaction on new developments in different disciplines of engineering. ? To encourage the formation of Chapters as a means to increase participation of Alumni. ? To assist the college to promote RD activities, testing, and consultancy. ? To extend financial help to economically backward and deserving students in the form of scholarships for UG, PG, and higher studies here and abroad. ? To encourage the students from this college by awarding prizes to meritorious students showing bright performance in the field of education, sports and cultural. ? To enrich the central library by donating books and also by subscribing journals in the field of engineering and technology. ? To extend every possible help to the college authorities for overall progress of the institution. ? To organize programs on personality development, interview technique and leadership development, education in health science, yoga, literature, sports etc. ? To foster linkages amongst the alumni and promote personal and friendly relations through meetings and get-togethers, tours/trips etc. ? To organize programs for the entertainment and enjoyment of the members of the Association ? To promote literacy, cultural and other social activities by awareness programs, as adult education classes, lectures, essay

competitions, exhibitions, symposiums, cultural programs, press conferences and seminars ? To create awareness about important social issues and help develop a sense of national/social responsibility (through activities like medical camps including eye and blood donation camps, etc.) amongst alumni, students, and the society, through various activities and means

5.4.2 – No. of enrolled Alumni:

1553

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. Title of the Activity: "One of the Alumni interacting session with Current Final Year and Third Year Students" Topic: "Oracle Cloud and Integration Pipeline" 2. Title of the Activity: One of the Alumni interacting session with Current Final Year and Third Year Students" Topic: "AWS for App Integrations" 3.Title of the Activity: "LAA General Body Together-IV"

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Institution encourages decentralization and autonomy of the departments with respect to the departmental activities. The Head of the Department conducts the departmental committee meeting in every month and discuss regarding the academic and administrative matters of the department. The curriculum implementation, outcome based education implementation, evaluation schedules and other related matters are monitoring and executing through various committees in the department. The department/Instructional research committee meets once in every month and discusses research activities and development of the department. The departments are preparing with annual budget which the Head of the department in consultation with the department advisory committee(DAC) for departmental activities. The Principals of institution conduct periodic review meetings with the Heads of the departments to ensure that the departments are functioning effectively. All decisions taken at the department level is informed to the Principal. The IQAC conducts two internal quality audits to identify the non-confirmative items with respect to processes and procedure, and to initiate corrective actions.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	Promotional incentives for quality admissions viz. Tuition hostel fee concession.
Industry Interaction / Collaboration	1. MoUs for full semester internship and summer internship. 2. MoUs for industrial research and training. 3. MoUs for academic collaborations viz. Curriculum implementation design,

		delivery and assessment.
	Human Resource Management	1. Transparent Lendi HR policies and procedures for welfare of the employees. 2. Well-structured annual faculty appraisal system for all employees. 2. Maintaining faculty-student ratio as per the norms. 3. Well defined internal promotion policy for career advancement of the faculty. 4. Training programs for skill development and personality development of employees. 5. Providing Group Insurance of staff and family.
	Library, ICT and Physical Infrastructure / Instrumentation	1. The printed books, national and international journals on various subjects of reputed publishers to enhance the advanced knowledge and skills of students and faculty. 2. The commutative entrance books, magazines, news papers, placement and personality development books for updating their knowledge. 3. The e-resources of e-journals, e-books, video lectures(like NPTEL), audio lectures of various publisher are made available in the Digital Library for effective teaching learning process 4. The Learning materials, Previous Question Papers, Project Reports of all departments are made available in the Central Library and Department libraries. 5. The e-contents of the web: http://ndl.iitkgp.ac.in is extensively used in the regular teaching learning process. 6. DELNET Facility is available in the central library. 7. Virtual labs (http://vlab.co.in/) in physics, other sciences and engineering subjects are used to enthuse students to conduct experiments by arousing their curiosity. 8. Multimedia animated lectures and Prototype models are used to teach the various subjects like ED, Machine design etc., for effective interpretation and understanding of the content.
	Research and Development	1. Introduction of Faculty incentives to encourage research and development. 2. Financial support and paid leaves for attending the course work of Ph.D. 3. Faculty engagement in taking real time industry oriented research projects. 4. Organize National/International conferences and Workshops. 5. Appending/Upgrading infrastructural facilities for research and development to augment postgraduate

	and doctoral level studies. 6. Faculty engagement in taking real time industry oriented research projects.
Examination and Evaluation	1. Audit for question paper quality assurance. 2. Assessment pattern for question paper design. 3. Re-evaluation by other senior persons to ensure quality of evaluation. 4. Adopting question generation process using software 5. Evaluation of the scripts of the semester end examination by external persons. 6. Question bank prepared by externals and vetting by senior faculty. 7. All questions are prepare as per Bloom's Taxonomy with specified course outcomes
Teaching and Learning	1. Industry engagement for latest emerging technologies. 2. Departmental Academic Committee (AMC) to review class wise academic progress time to time and suggest remedial measures. 3. Adequate provisions are there in the curriculum to promote collaborative learning, self learning and interactive learning 4. Periodic academic audits. 5. Financial support and academic leave to attend FDP, Conferences, Workshops.
Curriculum Development	1. The institution Organized workshops at department level involving experts from industry/research organizations for curriculum enrichment. 2. The Department Advisory Committee(DAC) are constituted with members from industry, expert faculty and student representatives for review of curriculum implementation. 3. Feedback mechanism is in place for continuous improvement. The feedback collected from students and alumni for curriculum and suggestions were placed in DAC and GB meetings. 4. High Priority is given for employability and value based education.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Student Admission and Support	Ecap software is using for students data.
Examination	Examinations are conducting through JNTUK online portal and bees Software is using for pre-examination and post examination process in Autonomous Examination cell.
Planning and Development	Ecap software is implemented for planning and development.

Administration	Ecap software is implemented for entire administration activities and filing system.
Finance and Accounts	TALLY software and Ecap software are using for finance and accounts.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
21	21	4	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Mediclaim(Insurance), Provident fund	Mediclaim(Insurance), Provident fund	Mediclaim(Insurance)

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes. A separate accountant is appointed to take care of the finances. The accounts of the institution is regularly auditing through external Charted accountant(Manohar Chowdary and associates) and it is file to income tax

department and the internal Auditing by the college representative. The auditing reports are placed in the website with link www.lendi.org/auditedstatements.zip.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	University Professors	Yes	IQAC
Administrative	Yes	Charted Accounts, Visakhapatnam	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. 1st Mid Performance and Result Analysis of 2nd Semester results parents meeting is conducted. 2. 1st Sem analysis and activities conducted in the college for the overall development of the students parents meeting is conducted. 2. 2nd Sem before final Exams discussed about placement activities in the college parents meeting is conducted . 3. The parents are periodically apprised about the department activities through students and mails. 4. The feedback back from parents various academic and non academic activities are collected and analyzed. 5. The orientation programmes are organized in the college for which the parents are also invited atthe starting of the academic year. 6. The Institution belies and maintains a holistic relationship between teachers and parents which can improve the quality of education and it adopts several initiatives in this direction. 7. The HODs, Faculty representatives are interacting with the parents through mobile on regular basis.

6.5.3 – Development programmes for support staff (at least three)

Training programs organized for non-teaching staff – Using Excel Word eCap etc

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1.Project based learning 2. Conducting Value added courses to the students in the Academic curriculum 3. Implementing peer group learning methodology in the class room 4. Introducing innovative idea club and its activity 5. One to one Counselling the slow learners and motivating towards Academics 6. Introducing simulation methodology for laboratory experiments

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes

c)ISO certification	**No**	
d)NBA or any other quality audit	**Yes**	

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Accelerating decisive power in women	29/06/2019	29/06/2019	300	Nill
Hygiene as Environmental Health	17/08/2019	17/08/2019	400	124
DISHA-Rally and Awareness Activity	04/12/2019	04/12/2019	200	100
Sankranthi Sambaralu	10/01/2020	11/01/2020	500	200
Governance of women health practices	27/02/2020	27/02/2020	300	Nill
Women's Day Celebrations	06/03/2020	06/03/2020	250	Nill
'She builds India' an initiative to empower woman spirits.	02/08/2019	02/08/2019	150	50
Sensitization of Women for Blood Donation	11/10/2019	11/10/2019	250	30
Gender sensitization a need of the Hour on International Women's Day	18/06/2019	18/06/2019	400	100
LLR Mela for Young Drivers	12/12/2019	12/12/2019	100	175
Awareness on the importance	23/10/2019	23/10/2019	150	300

Banking and its educational support Services for Freshers				
Anti Ragging Awareness	12/08/2019	12/08/2019	136	350
Road Safety Techniques and Usage of Helmet	10/08/2019	10/08/2019	120	300
Workshop On Promoting Organ Donation Programm	05/08/2019	05/08/2019	180	250
A Series Of Invited Talk On Leadership Skills In Surviving & Modern Times	28/09/2019	28/09/2019	280	320
Voter Enrolment Activity	18/09/2019	18/09/2019	160	250
Lendi Planitation Programm	04/11/2019	04/11/2019	250	320
Women Safety Fortnight Awareness Programm	07/12/2019	07/12/2019	360	200

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Environmental Consciousness and Sustainability: The Institution organised various Environmental Awareness programs to build Environmental Consciousness and Sustainability among the students, staff and society. The details 1. World Environmental Day was celebrated in the campus and created awareness among the students and conducted plantation in the college campus. 2. Conducted quiz on Impacts of deforestation on rainfall . Distributed the saplings through the Honourable Vizianagaram District Collector Mr. Hari Jawahar, District Forest Officer Mr. Janaki Rao. 3. Conducted awareness to the students as a part of World Forest Day and World Water Day. Alternate Energy Initiatives: 1. The institution has 200KW solar power plant and it produced 80 Percentage of power requirement of the College met by the renewable energy sources(solar Energy) with the production of 364400 units in the year 2019-20.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2502
Provision for lift	Yes	2502
Ramp/Rails	Yes	2502
Rest Rooms	Yes	2502

Scribes for examination	Yes	2502
Special skill development for differently abled students	Yes	2502
Any other similar facility	Yes	2502
Braille Software/facilities	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
[View File](#)							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Lendi Policy Mannual	01/06/2019	It contains code of conduct of staff, policies , rules and regulations

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
[View File](#)			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

YES. The Institution has a conscious of its responsibility to protect the environment by conducting Green Audit of the campus - As a part of that, Institution maintains a checklist of the following activities undertaken in connection with Green Audit: 1. Optimum Consumption and utilization of energy in the campus as an activity of Energy Saving Club. 2. Service records pertaining to waste materials/condemned equipment are maintained from regularly. Sustainability principles, practices and Environmental Studies are an integrated into Curriculum. 3. The NSS team is striving continuously to maintain an eco-friendly green environment in the campus as well as nearby villages by adopting them and conducting some awareness programs. 4. A continuously greenery monitoring is in the place. 5. 200KV solar power plant. 6. Landscaping done across the campus for beautification and eco friendliness 7. Pollution Free campus is created through No Usage Of Plastic, Swachh Bharat(Clean And Green) programs organized, Tree Plantation programs and indoor plantation near the class rooms has been done to create awareness among the students regarding the importance of air purifying plants. Charts are displayed on importance of plantation. 8. The campus eco-friendly system of is created through Energy Saving club, Solar Power plant 200KW, LED street lights are being used as a power conservative initiative. 9. Created awareness regarding

the pollution caused during Vinayaka chaviti because of using plaster of paris idols. In this regard, distributed clay idols, conducted painting competition, poster presentation and live sample display and plantation program among the students. 10. Solid Waste Management in the College: Canteen Food Waste i.e. Vegetable waste and remains of food waste is used to prepare compost. All Dry waste like paper material is sent to the recycling centres. 11. In order to conserve Rain water, Rain water harvesting pits have been constructed in the college premises.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice - I Title: "Encouragement to Faculty for Pursuing Ph. D and Research Publications" Goal of this practice: The institution encourages faculty to pursue their Ph.Ds at institutes of repute by giving financial assistance and academic leaves to overcome scarcity of faculty having doctoral degrees. This has resulted in cultivating research culture, quality publications and enhanced teaching learning process. The main objective of this practice is to motivate the faculty for active involvement in research and to contribute for the overall development of the institution. The Context: In the initial stages of the Institution, there was a dearth of faculty having Doctoral Degrees. The Practice: ? Encouraging faculty to register for Ph.D Programs at reputed institutes like IITs, NITs, Government Universities etc. ? For Registered candidates, the Institution provides Academic leaves with financial assistance for attending Ph.D course work. ? Academic Leaves are sanctioned time to time for carrying out research discussions. ? Sponsoring faculty members to various Workshops, National and International Conferences/Seminars in India and Abroad by providing necessary support. ? At the submission stage of Ph.D, an academic leave is sanctioned up to six months. ? After acquiring the Ph.D degrees a substantial hike is given in the pay package. ? Incentives for Research Publications in Reputed Journals. ? In-house research funding is provided for the promotion of RD. Evidence of Success: After exercising this practice, the number of Ph.Ds are increased from One to 16 and 36 faculty are pursuing Ph.D. S.No Details 1 75 Faculty Registered for Ph.D Programs/Ph.D Awarded 2 The Faculty availed/availing Academic Leaves for Ph.D course work 3 Maximum member of Faculty participated in Workshops/Conferences/Seminars 4 Th Faculty availed/availing Academic Leaves for research discussions 5 The Faculty availed/availing Academic leave at the submission stage of Ph.D 6 More Number of Research Publications are increased in the last four years Problems Encountered Resources Required: 1. The major problem encountered is the pre requisite of minimum experience to register for Ph.D. 2. Limited number of seats available in the universities to register. 3. Additional budget allocation in order to meet the expenses during the implementation of this practice. Best Practice II Title: "Skill enhancement through Mentoring System to develop Social relevance projects" Goal of this Practice: Goal of this practice includes motivating the students to enhance their knowledge and skill levels through mentoring system, in turn to develop social relevance projects that enable them to become industry ready. The Context: Most of the students joining our institution hail from rural background and from vernacular medium of study. It has become a major challenge to transform them into self sustained engineers. The Practice: Various activities under this practice are: i) A teacher-student adoption is to drive the performers towards excellence and slow learners to reach the minimum qualifying level. ii) Students are mentored to maintain good track record of academics by encouraging them to be abreast of latest technological developments. iii) Imparting practical exposure to students in latest technologies by arranging industrial visits/in-plant trainings. iv) Conducting workshops, guest lectures and seminars by eminent academicians from premier

institutions and Industry Experts. v) In order to transform students into tomorrow's potential leaders of the society, various personality development and soft skill training programs are conducted. vi) A continuous encouragement for students to come up with innovative ideas related to societal issues. vii) Students are allowed to share their ideas with outside world by allowing them to present papers at various National / International conferences. Evidence of Success: As a result of this practice, a discernible positive change has been observed in the morale of the students in addition to few of the outcomes listed below: ? More than 85 of pass percentage is maintained consistently. ? Social relevance projects like mini agriculture harvester, Smart Gamela, GSM Based Solar Irrigation System, Wastebin Monitoring System using GSM Technology, Suraksha App for Women Protection, Multi Nut remover and tightener, Power assisted screw jack, Swing Electric Power Generation, Manual Plough, Solar Car (under construction). ? Acquisition of skill enablement and consistent increase in the placement track is profoundly observed. Problems Encountered: As technologies are rapidly changing, it has become difficult for the institution to incorporate all those rapid changes in the process of skill development. Resources Required: Provision is made in the Budgetary Allocations to arrange training programs. Best Practice III Education through Community Service Goal of this Practice: Encouraging the students to involve in community service for inculcating social responsibility, leadership and organizational skills among them. The Context As the Institution is at a modest rural setting, students are expected to address the community problems like alcoholism, illiteracy, child labour, Open Defecation, Child Marriages etc in order to inculcate social responsibility. The Practice To inculcate the social responsibility, leadership and organizational skill among students, following are some of the practices: ? The Institution has adopted a few villages nearby campus for rural development by addressing the problems with technological solutions. ? Several social service camps are organized periodically in the adopted villages by involving students to understand the ethos of rural life and its problems through surveys. ? Visiting Orphanages, Oldage Homes is a regular practice to inculcate human values. ? Plantation, Blood Donation Camps, Rain Harvesting Pits, Health Camps and Awareness Rallies on various social stigmas. ? As part of Digital India, activities on e-banking, internet usage, Aadhaar and Vote Franchise enrolment are taken place. ? Skill development Programmes like House Wiring, Fan Winding, Computer Literacy are conducted. ? As part of Swachh Bharath initiative, awareness on problems of Open Defecation, clean and green programmes are conducted. ? Fund raising activities like fund for eradication of Polio, establishment of Library at D. Tallavalasa village. Evidence of Success The following are some of the appreciations are for activities undertaken: ? An Appreciation from District collector Vizainagaram as Best Institution for conducting Blood donation camps. ? Best Institution award from JNTUK for conducting service camps in the villages . ? An Appreciation Certificate from District Collector for the committed service rendered in Sankranthi Sambaraalu. ? An Appreciation Certificate from District Collector for the committed service rendered in Vizianagara Utsavaalu. ? An appreciation certificate is given by Govt. of AP to Akulapeta Village a hamlet of our adopted village D. Tallavalasa for the initiatives of Open Defecation Free Problems Encountered ? Initially, a resistance is found among villagers in accepting the students to serve them. Later after the students heartfelt involvement made them to unite both the counterparts to have mutual benefits. Resources The Management itself has met the financial needs for the attainment of the goals in this practice as a social responsibility. Sometimes, the students and staff of the Institution have also come forward to support the wise mission of management.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

1. The Institution is more focusing on communication and empowerment of rural youth through skill development because it is located in the rural area. 2. The institution is giving more importance on counselling and personal care of the student for the overall development of the student. 3. The institution is contributing significantly through research in humanities, science and technology, engineering and management. 4. The institution has identified the need for world class research and as one of its best practise has formulated multi-disciplinary research teams to promote quality research in the institution through creating modern research infrastructure. 5. Lendi serves society by empowering engineering students with skills so that on graduation, they become employable, thus improving their family status in the society.

Provide the weblink of the institution
https://www.lendi.org

8.Future Plans of Actions for Next Academic Year

1. Research centers 2. NBA Accreditation(renewal) for CSE.EEE.ME (UG) Program 3. Effective Implementation Outcome Based Education. 4. Implementation of Skill Based courses 5. More Focus on Research and Developments 6. Establishment of Industry sponsored Labs 7. Foreign Universities Collaborations 8. Semester abroad programs etc.