YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	KLE TECHNOLOGICAL UNIVERSITY
• Name of the Head of the institution	Dr. Ashok Shettar
• Designation	Vice Chancellor
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	08362378102
• Mobile no	9742210245
• Registered e-mail	vc@kletech.ac.in
• Alternate e-mail address	registrar@kletech.ac.in
• City/Town	BVB Campus, Vidyanagar
• State/UT	Karanataka
• Pin Code	580031
2.Institutional status	
• University	State
• Type of Institution	Co-education
• Location	Urban
• Name of the IQAC Co-ordinator/Director	Dr. P.G. Tewari

• Phone no./Alternate phone no	**08362378108**
• Mobile	**9845903330**
• IQAC e-mail address	**arc@kletech.ac.in**
• Alternate Email address	**pg_tewari@kletech.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.kletech.ac.in/Uploads/image/9imguf_AQAR2021-22ResubmittedAugust2023.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	www.kletech.ac.in

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.10**	**2022**	**15/03/2022**	**14/03/2027**

6.Date of Establishment of IQAC	**06/07/2018**

7.Provide the list of Special Status conferred 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
Nil	**Nil**	**Nil**	**Nil**	**Nil**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	View File
9.No. of IQAC meetings held during the year	**02**
• The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report)	**Yes**

• (Please upload, minutes of meetings and action taken report)	No File Uploaded
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**
• If yes, mention the amount	

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

• Focusing on Higher Cognitive Learning outcome • Establishment of the Centre of Excellence in Visual Intelligence (CEVI). • Establishment of Samsung Student Ecosystem for Engineered Data (SEED) • Construction of Sports complex (100% completed) • Substantial Increase in the paper publication in journals • Improved placement in both core and IT sectors

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

Plan of Action	Achievements/Outcomes
Higher Cognitive Learning	**Pilot done with Few departments.**
Establishment of Centre of Excellence in Visual Intelligence (CEVI).	**Established**
Establishment of CAAR Lab Established	**Established**
Publications in Scopus and Web of Science	**Substantial Improvement**
Placements (Higher values) & Numbers	**Improved and Increased**
CTIE & CIPD	**Higher Impact**
Academic and Physical Indrastructure	**Enhanced with ITC Feachers**

13.Whether the AQAR was placed before statutory body?	**Yes**
• Name of the statutory body	

Name	Date of meeting(s)
Nil	Nil

14.Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?	No

15.Whether institutional data submitted to AISHE

Year	Date of Submission
2022-23	15/04/2024

16.Multidisciplinary / interdisciplinary

According to NEP 2020, quality higher education must aim to develop good, thoughtful, well-rounded, and creative individuals. It must enable an individual to develop character, ethical and Constitutional values, intellectual curiosity, scientific temper, creativity, the spirit of service, and 21st-century capabilities across various disciplines. Keeping in view the expectations of the NEP, the Board of Governors, in its meeting held on 11th September 2021, approved the implementation at KLE Technological University to put in place a necessary academic structure to start B.Sc. programs. a. The institution, through its vision and mission Vision KLE Technological University will be a national leader in higher education and will be recognized globally for its innovative culture, outstanding student experience, research excellence, and social impact. Mission KLE Technological University is dedicated to teaching that meets the highest standards of excellence, generation, and application of new knowledge through research and creative endeavors. 2. The curriculum structure and the courses offered in the University engineering programs can be broadly categorized as follows: 1. Basic Sciences, Mathematics, Engineering Sciences & Humanities 2. Program Foundation Course 3. Program Verticals (specializations) 4. Integrating experiences A typical Breakdown for the BE degree Curriculum shall have 36 credits for basic science and humanities out of a total of 176, which clearly shows the institutional approach toward integrating humanities and science with STEM. The University, in its Bachelor of Science Programs, has introduced Department-specific core (DSC), department-specific electives (DSE), skill development courses, language courses, industry internships, and value-based courses align with NEP-2020. 3. The University offers flexible and innovative curricula that include credit-based courses and projects in the areas of community engagement and service, environmental education, and value-based

towards attaining a holistic and multi-disciplinary education. This has been clearly explained in 1.3.1 of AQAR. 4. The institution has started offering multiple entry and exit at the end of 1st 2nd and 3rd years of undergraduate education while maintaining the rigor of learning in its Bachelor of Science programs. However, in the absence of definitive guidelines by the AICTE, New Delhi, for technical programs to implement NEP-2020, the institution has decided to implement once the AICTE/State Government gives the guidelines. 5. The University has started Research Groups cutting across different disciplines to promote multidisciplinary research on campus. 6. The University has earmarked that 5% of its total revenue is allotted for promoting research and development. Encouraging young faculty to develop research capacity through Capacity-building projects Introducing the course 'Research Experience for Undergraduates, to inspire undergraduates to take up research career

17.Academic bank of credits (ABC):

A. Academic Bank of Credits (ABC) Academic Bank of Credits (ABC) is a virtual/digital storehouse that contains information about the credits earned by individual students throughout their learning journey. It will enable students to open their accounts and give multiple options for entering and leaving colleges or universities according to the regulations of NEP. B. Currently, KLE Technological University has successfully registered for the ABC through NAD Digi-locker and is preparing to upload the data of the students admitted in the A.Y. 2021-22. The University is in the process of identifying the courses to be assigned as credit-transferable types of courses. ABC Registration Proof C. The Board of Governors, in its meeting held on 17th June 2022, approved the inclusion of a provision for Academic Collaboration with Foreign Higher Educational Institutions to offer Twinning, Joint Degree, and Dual Degree Programmes in its regulations (Item No.16.5. As per the approved resolution the University is eligible to offer Twinning, Joint Degree and Dual Degree programs. D. All the faculties of the University have been trained in the 'Outcome Based Education' framework. Every year, each department conducts its respective Board of Studies meeting, taking inputs from the stakeholders and advice from their respective Industry Advisory Boards. The Center for Engineering Education Research (CEER) trains the University faculty in newer pedagogical practices. It also conducts a 'Faculty Conclave' annually, wherein faculty members share their pedagogical innovations practiced during that year with the rest of the faculty of the University.

18.Skill development:

A. The University, in its non-engineering programs, has introduced 'Ability Enhancement' and 'Skill Enhancement' courses, which align with the National Skills Qualifications Framework. Further, the University runs a VIKAS program to strengthen students' soft skills. There are four modules offered from 3rd semester to sixth semester. Each module is of 0.5 credits. B. The University offers Value Based Courses such as Physical Education – Yoga, Physical Education – Sports, and NCC / NSS to its non-engineering students.

19.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The university aims to integrate culture and language with education, and a lot of importance is given to local culture and food habits. Students are aware of these during the induction program at the beginning of the academic year. A course like Design Thinking for Social Innovation is taught to all freshman students, which ensures sensitization and responsibilities towards civic society and its problems.

20.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

An adaptation of proper academic frameworks and strategic interventions is necessary to ensure the fitness of the higher education system to negotiate new challenges. Outcome-based Education (OBE) framework has emerged as a major reform model in the global engineering education scenario. It has been mandated to accreditation engineering programs for the Washington Accord signatories. The OBE approach is based on a student-centered learning philosophy and focuses on the output (outcomes) instead of the input (content). KLE Technological University has adopted the Outcome Based Education (OBE) Framework for curriculum design, teaching, and assessment. The framework allows us to build a culture of continuous improvement that strengthens our academic quality and inspires student achievement. Click the Link for a Detailed Report with an Example of the OBE Framework in our University

21.Distance education/online education:

Online classes were held regularly during the Pandemic. Online courses are taken by teachers as and when necessary for the betterment of the students. The University will look into Distance Education / Online Education in its next strategic plan.

Extended Profile

1.Programme

1.1   **20**

Number of programmes offered during the year:

File Description	Documents
Data Template	View File

1.2   **10**

Number of departments offering academic programmes

2.Student

2.1   **5897**

Number of students during the year

File Description	Documents
Data Template	View File

2.2   **1486**

Number of outgoing / final year students during the year:

File Description	Documents
Data Template	View File

2.3   **1507**

Number of students appeared in the University examination during the year

File Description	Documents
Data Template	No File Uploaded

2.4   **51**

Number of revaluation applications during the year

3.Academic

3.1   **840**

Number of courses in all Programmes during the year

File Description	Documents
Data Template	[View File](#)

3.2   **339**

Number of full time teachers during the year

File Description	Documents
Data Template	[View File](#)

3.3   **307**

Number of sanctioned posts during the year

File Description	Documents
Data Template	[View File](#)

4.Institution

4.1   **55000**

Number of eligible applications received for admissions to all the
Programmes during the year

File Description	Documents
Data Template	No File Uploaded

4.2   **448**

Number of seats earmarked for reserved category as per GOI/ State
Govt. rule during the year

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	**20**

File Description	Documents
Data Template	View File

1.2 Number of departments offering academic programmes	**10**

2.Student

2.1 Number of students during the year	**5897**

File Description	Documents
Data Template	View File

2.2 Number of outgoing / final year students during the year:	**1486**

File Description	Documents
Data Template	View File

2.3 Number of students appeared in the University examination during the year	**1507**

File Description	Documents
Data Template	No File Uploaded

2.4 Number of revaluation applications during the year	**51**

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Number of courses in all Programmes during the year

File Description	Documents
Data Template	View File

3.2

Number of full time teachers during the year | **339**

File Description	Documents
Data Template	View File

3.3

Number of sanctioned posts during the year | **307**

File Description	Documents
Data Template	View File

4.Institution

4.1

Number of eligible applications received for admissions to all the Programmes during the year | **55000**

File Description	Documents
Data Template	No File Uploaded

4.2

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | **448**

File Description	Documents
Data Template	View File

4.3

Total number of classrooms and seminar halls | **71**

4.4

Total number of computers in the campus for academic purpose | **2781**

4.5 Total expenditure excluding salary during the year (INR in lakhs)	4671.92

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

The Outcome-Based Education (OBE) framework is used to design the curriculum. Each program has formulated Program Outcomes (POs) in line with Graduate attributes prescribed by the National Board of Accreditation (NBA). These POs describe what students are expected to know and be able to do by the time of their graduation. The PSOs of the programs take care of the specific needs of the region and context of the institution.

The courses designed for the programs are aligned with the expectations of POs. This is ensured through curriculum mapping, which moves from POs to Course Outcomes (CO) and provides information about where, when, and how program outcomes are taught and assessed within a program. Further, the assessment tools are appropriately connected to the COs and, hence, to the POs by defining Competencies and Performance indicators.

Curriculum Mapping: The curriculum structure and courses contribute to enhancing the skills needed to achieve the Program Outcomes (POs). They are broadly categorized as;

1. Basic Science, Mathematics, Engineering, and Humanities

2. Program Foundation Course

3. Program Verticals (specializations)

Two Important tools that help us to understand the extent of compliance of the curriculum with POs and PSOs are,

1. Course Articulation Matrix,

2. Program Articulation Matrix

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

280

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

29

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

20

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

To address the issues relevant to Professional Ethics, Gender, Human Values, Environment, and Sustainability, the University has adopted the following approach;

1. Credit-based courses that directly address these issues;

   - The 'DTSI-Design Thinking through Social Innovation' course in the first year enables students to connect with society, helps them to identify local issues, and facilitates them to develop skills to identify innovative and sustainable solutions for the problem identified.
   - 'Constitution of India, Professional Ethics and Environmental Sciences': The course introduces India's constitution and addresses professional ethics, environment, and sustainability issues.
   - "Engineering Exploration" course in the first year: While learning the engineering design process, the student understands and enumerates ethical and sustainability issues related to his designs and the project he is doing.

1. Engaging students in extension and community engagement activities that lead to learning and experiencing these qualities through the following programs;

   - Swacch Bharath Summer Internship
   - Unnat Bharat Abhiyan
   - Rural Immersion Track 3.

Induction program: The program focuses on inculcating moral, social, and ethical values to all incoming students. This is held before the startof the first year as per AICTE guidelines.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

17

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

734

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

1039

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni	• All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows	• **Feedback collected, analysed and action taken and feedback available on website**

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

2072

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

434

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the studentsand organises special Programmes for advanced learners and slow learners

Students are assessed through continuous internal assessments at various levels and stages, based on learning levels following

initiatives are conducted;

Assisting slow learners:

- **Student Counselling:** Course teachers identify low-performing students, and faculty advisors take care of these students by regularly counseling them.
- **Remedial classes/tutorials:** Based on the student performance (ISA) tests, additional remedial/tutorial classes are conducted separately.
- **Lateral Entry students:** Make-up classes are conducted for lateral entry students to cope with the curriculum.
- **Professional & Communication Skills:** Special training sessions are conducted by the Humanities school for students to improve their soft skills.
- **Summer Semester:** Students with subject backlogs can register and appear for examination again during the summer holidays.

Measures to encourage advanced learners: To enable bright students to reach their fullest potential, several courses and minor programs are made available.

- **Research Experience for Undergraduates (REU):** REU is a 6-credit course designed to provide authentic research experience to undergraduate students. It helps them to experience and learn how to identify and define problems and solve them.

Minor Program: Minor Programs which have5 courses engage students for 300hrs of experiential learning in a specialized domain during the regular program duration.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link For Additional Information	**Nil**

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
5897	**339**

File Description	Documents
Upload relevant supporting document	[View File](#)

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

One of the major steps undertaken by the University over the years is to create a learning ecosystem that is experiential, contextual, and situated. In several courses, innovative pedagogical approaches are adopted to enhance student engagement and attainment.

1. Integrating Experience through Projects

The project work offers more significant experiential learning to students through integrating experience. Student gets the opportunity to work on complex real-world problems. Student carries out at least seven projects from the first year to the final year of his studies. The projects also focus on teamwork, leadership, and collaborative learning. Following are the type of projects done by students in an undergraduate program.

1. Course projects

2. Mini project (5th Semester)

3. Minor project (6th Semester)

4. Capstone Project (Final Year)

5. Senior Design Project

1. Courses designed with a Hands-On Learning approach:

- Engineering Exploration: The core course offered in the first year focuses on problem-solving, the multi-disciplinary nature of engineering, the engineering design process, and teamwork. The course follows Project Based Learning pedagogy, and students work in teams to solve identified problems.

'DTSI-Design Thinking through Social Innovation course in the

first year enables students to connect with society, helps them to identify local issues, and identifies innovative and sustainable solutions

File Description	Documents
Upload relevant supporting document	[View File](#)

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

The classrooms and laboratories on-the campus are ICT-enabled with projectors and other digital gadgets. The University campus network has a backbone of OFC with a capacity of 10 GBPS, catering to 2871 (Desktops) nodes on the campus. Further, 95 wireless access points across campus and a hundred twenty-five (125) wireless access points in both boys' and girls' hostels provide internet connectivity to the students and faculty. The University has Hi-Tech Video conferencing facilities.

The teachers are well-trained and have expertise in using ICT tools, platforms, and online resources to make teaching-learning more effective. Following are the tools/ platforms used by the University for managing the digital content and delivery of the courses.

- **Learning Management System (LMS): The central hub for course materials, course communications, and course management. We are using MOODLE as the LMS with 2500 simultaneous users.**

- **Video Conferencing platform: A solution for synchronous learning online in which students and teachers can see and interact with each other in real time. 'MS-Teams' with a campus-wide license is used as the synchronous delivery platform.**

Studio & Video Management System: For recording videos, well-equipped studios with light-board and accessories are essential. In total 12 studios across the campus are set up.

File Description	Documents
Upload relevant supporting document	[View File](#)

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

339

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

2.4 - Teacher Profile and Quality

2.4.1 - Total Number of full time teachers against sanctioned posts during the year

339

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

2.4.2 - Total Number of full time teachers withPh.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

116

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

3898

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

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

11

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

11

File Description	Documents
Upload the data template	**No File Uploaded**
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

7

File Description	Documents
Upload relevant supporting document	View File

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

End-to-End IT integration: Operational since the formation of the university, which has an end-to-end IT platform for the administration and management of core academic activities. This automation system integrates all the core activities in the academic and assessment lifecycle from student admissions until graduation in a seamless manner. The institution-specific rules for academic management are encoded, thereby ensuring compliance and governance. The IT Platform has the following features.

The system provides full support for measuring outcomes per the NBA and Washington Accord requirements. OBE-compliant question paper setting and rubrics with Like Scale implementation for non-theory course assessment facilitate comprehensive coverage of all types of internal assessments.

All the assessment questions are linked to performance indicators, competency, and program outcomes (POs). Further, they are also linked to respective Bloom's cognitive levels. This helps in gauging the quality of question papers.

Other features include admission, Course Registration, Academic calendar, timetable & contact hours, LDPR, Attendance, Assessments, Student Counseling, Student Feedback, and Communication with parents and students.

The examination module covers entire processes, using minimal manual intervention. Key features include Question paper setting and scrutiny. The exam system is located in an isolated network for restricted access and high security.

File Description	Documents
Upload relevant supporting document	[View File](#)

2.5.4 - Status of automation of Examination division along with approved Examination Manual	A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

All University programs have well-articulated program outcomes (POs)that are mapped to course outcomes. The POs for the programs are defined based on the recommendation of accreditation bodies mainly NBA & NAAB (For Architecture).

Program-specific outcomes have been arrived at based on the skills and knowledge specific to the program the graduates need to master. The process of connecting desired POs and PSOs to curriculum design and assessment is followed as below;

1. Curriculum Mapping: A "design down" process is employed, which moves from program outcomes to course outcomes,

2. Course Articulation Matrix: The course articulation matrix identifies how COs contribute to the achievement of PO's canreveal gaps in the curriculum or prompt re-examination of Cos.

3. Program Articulation Matrix: It helps us ensure that alloutcomes are addressed at some course in the program anddetermine whether there is enough emphasis on each program'soutcomes.

4. Assessment Strategy: To integrate high-level learning outcomes (POs) with assessment, a two-step process of identifying Competencies and Performance Indicators (PI) is followed. Using the above process for the program, the assessment of COs for all the courses is designed by connecting assessment questions (used in various assessment tools) to the Performance Indicators. Each question in a question paper is labeled with Bloom's Level CO's and PO's. The direct attainment is done using these labels. All these are given to the students and published on the website.

File Description	Documents
Upload relevant supporting document	No File Uploaded

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The process of gathering and analyzing the data to arrive at theattainment of POs, PSOs & COs is described below;

1. Course Assessment Plans: The course faculty constructs a course assessment plan for each of the program's courses. The document connects each of the COs to the assessment method(s) and theperformance goal for the CO. Based on the previous performances, the course outcome attainment levels are set as targets for each course outcome. The attainment level for a CO is stated in terms of the percentage of students scoring more than the target score.

2. Evaluation of Program Outcomes and Program Specific Outcomesattainment: Two approaches are used in assessing the attainment ofPOs /PSOs, Namely;

1. Direct Measurements: Direct assessment measures involve"direct examination or observation of student knowledge or skills" for the program's courses. The assessment process results in course assessment reports prepared for continuous internal evaluation, semester-end examinations, and program assessment reports used to directly measure the program outcomes' attainment.

2. Indirect Measurements: To capture stakeholders' perceptions oflearning and the educational environment. Tools employed by the schools are:

1. Graduating student exit survey 2. Alumni survey 3. Employer Survey

File Description	Documents
Upload relevant supporting document	[View File](#)

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

1454

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

[http://viewdocs.kletech.ac.in/2021-22 NAAC DATA/CR2/2.7/2.7.1 Docume nt%20Link_SSS.pdf](http://viewdocs.kletech.ac.in/2021-22_NAAC_DATA/CR2/2.7/2.7.1_Document%20Link_SSS.pdf)

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for

promotion of research which is uploaded on the institutional website and implemented

The Research Council is the statutory body that guides the research strategies and initiatives and approves policies, guidelines, and budgets for the research activities. The R&D cell headed by Dean coordinates and manages the overall research activities of the University. The research policy, and guidelines, are available on the University website and communicated to faculty regularly. Budgetary Provisions for updating of research facilities are made through university funds approved by BOG and external research funding obtained from government organizations like VGSTC, DST, DBT, AICTE, etc.

Research Policy: Provides policies and practices to support and Enhance research activities and is in line with the statutes and regulations of the University. This policy document outlines the guiding principles regarding the management, support, and development of research for all those involved in research activities at University. The primary aim of the research policy is to:

- Provide resources for continued high-level, effective, and efficient support for research and affirm research as a priority.
- Provide an ecosystem for innovation and entrepreneurship.
- Ensure effective communication about the principles and policies on which the University's research activities are founded.

Provide support for consultancy, collaboration, and outreach (Extension) activities to enhance the research culture.

File Description	Documents
Upload relevant supporting document	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

708.91

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research Central Instrumentation Centre Animal House/Green House Museum Media laboratory/Studios Business Lab Research/Statistical Databases Moot court Theatre Art Gallery	A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

4

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources

such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

23.72

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

612.26

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

15

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

KLE Tech has proven to be one of the top universities for start-up creation over the past few years. Two centers have been established to drive innovation and entrepreneurship on the campus and in the region.

Centre for Technology Innovation and Entrepreneurship (CTIE): KLE-CTIE, is a Technology Business Incubator sponsored by DST and TIDE2.0 Incubator from MeitY. It has emerged as a pioneering model to drive, promote and support entrepreneurial communities in Tier-II cities. We have incubated over 135 startups for the last 10

years. Over 1000 jobs were created in the region having two companies with a valuation of over INR 100 Cr.

CIPD – Center for Innovation and Product Development: was established in 2016 as a product innovation, design, and development center to support industries in the "Idea to Market" journey. Over the years, CIPD grew in different areas to further support start-ups and entrepreneurs by establishing a business incubator and an IP facilitation cell. These endeavors have been supported by the Department of MSME, Government of India. CIPD has been recognized by the Department of MSME as a "Design Centre" specifically to support MSMEs in this region. CIPD-BI has Eight start-ups incubated with KLE Tech.

File Description	Documents
Upload relevant supporting document	View File

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

9

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

9

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards	
3.4.1 - The institution ensures implementation of its stated Code of Ethics for research	
3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following 1. Inclusion of research ethics in the research methodology course work 2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc) 3. Plagiarism check 4. Research Advisory Committee	A. All of the above

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website	A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.4.3 - Number of Patents published/awarded during the year	
3.4.3.1 - Total number of Patents published/awarded year wise during the year	
10	

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

20

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

2

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	**No File Uploaded**

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

37

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	**No File Uploaded**

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS	**C. Any 3 of the above**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	**No File Uploaded**

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
182220	9212

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	No File Uploaded

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
58	49

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

KLE Technological University gives its faculty the opportunity to work on consultancy projects. Consultancy Policy aims to provide guidelines and share them with faculty depending on the use of resources of the University.

The guidelines are framed for three types of consultancy work carried out in the University.

Category I: Here, faculty/staff uses the infrastructure like building, electricity, water, etc., along with materials for testing, prototyping, material preparation, etc.

Category II: Here, faculty/staff use infrastructure like buildings, electricity, water, etc., only.

Category III: Here, faculty visits external premises, and uses intellectual capabilities based on the developments in the Institution.

File Description	Documents
Upload relevant supporting document	[View File](#)

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

33.75

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

KLE Technological University has several formal and informal interventions to engage the community & sensitize students to social issues leading to their holistic development. Some are shown below, apart from these students also are engaged with government initiatives like SwatchBharat Abhiyan & UnnatBharat Abhiyan

- **Social Innovation (compulsory course in the first year): In this course, students work in groups to identify a social issue & conceive, design, implement & operate their own small- scale, workable solution. Every year, students work on average two hundred fifty projects in social space, thereby gaining first-hand experience about the community & developing close connections with society.**

- **Technology & Innovation for Social Transformation-TIST: TIST is a service-learning track in which interdisciplinary teams of students from across campus work together on co-generated problems that benefit the community. The TIST program starts from the summer vacation of the 4th semester and spreads**

over three semesters with more than 300 hours of engagement.

Rural Immersion Track: The rural immersion program allows students to develop sensitivity to rural issues through direct experiential learning. Students conduct door-to-door surveys, focus group discussions, and informal discussions partnering with local NGOs working in the areas of education, civic awareness, and empowerment

File Description	Documents
Upload relevant supporting document	View File

3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

19

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

3121

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	**No File Uploaded**

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

9

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	**No File Uploaded**

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

19

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	**No File Uploaded**

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

The University has developed a high-tech campus with modern facilities/learning resources as per the curriculum requirements and norms of statutory/regulatory bodies according to its vision and strategic objectives. It is spread over a sprawling 68 acres with sufficient built-up space. 5500+ students study various

courses.

Some of the facilities are listed below;

• Classrooms: 75with ICT facilities

• Laboratories: 80 (Samsung Research Lab / EV Research Lab / Industry 4.0 Lab / High-Performance computing lab etc) Computer Labs: 40 (2870 desktops & 40+ Servers)

• Hostel Blocks: 03 Boys & 03 Girls with a total capacity of accommodating 2241 students

• University has 2-Auditoriums (750 capacity), two canteens, Bank, a post office, a medical clinic, a sports ground, a staff club, a guest house, etc

• Utilities available on campus include RO water, an adequate number of Restrooms, a Musical fountain, Generators, Bore- wells, Overhead & UG Tanks, a Sewage Treatment Plant, etc. The entire campus has 100% power backup. To ensure security 325 CCTV surveillance cameras have been installed.

The University library collection comprises 89337 volumes of Books with 39400 Titles along with 180324 e-Books with perpetual access and subscription package to 65 National and International printed Journals and 11,767 full-text E-journals from IEL online.

File Description	Documents
Upload relevant supporting document	View File

4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)

The University has a strong belief that sports and cultural activities play an important role in shaping the personality and character of a student. It has created state-of-the-art indoor and outdoor facilities on campus to encourage the active participation of the students in sports and cultural activities.

The indoor and outdoor sports facilities include a cricket ground basketball court, football ground, badminton court, athletic track, multi-gym stations, open-air theatre, and air-conditioned auditoriums, and many more. The details of the facilities and usage are uploaded in supporting documents.

A new hi-tech indoor stadium (put details) with a capacity of accommodating 3000+ people will be ready soon. Cricket Turf wicket/Football ground

File Description	Documents
Upload relevant supporting document	[View File](#)

4.1.3 - Availability of general campus facilities and overall ambience

The university campus spread over 64 acres with expansive lush green lawns and a pleasing landscape, creates a tranquil atmosphere. The eco-friendly campus, with state-of-the-art academic and administrative buildings, well-laid walkways, and serene surroundings, provides an ideal ambiance for learning and personal transformation.

General Campus Facilities:

Hostels: The university has well-furnished exclusive hostels for boys and girls (2240 capacity) with 24-hour power back-up, Wi-Fi connectivity, and a mess that provides nutritious and hygienic food, among others.

Canteens: The campus has two canteens and a McDonald's outlet where a wide range of food choices is available to the students and staff.

Health Care Centre: Located on the campus, it provides comprehensive primary medical services. Its main objective is to provide OPD services to all staff and students studying on campus.

Power backup: The campus has a decentralized power facility with a total capacity of 1,822 KVA spread across 23 locations.

Security: The entire campus is well guarded on a round-the-clock basis by professional security agencies. Over 418 surveillance cameras are installed at strategic locations to check on-campus activities.

Other facilitiesinclude Canara Bank, an ATM, and a stationery shop.All buildings on the campus have ramps for differently-abled students. Adequate parking facilities, drinking water, internet access, and student interaction spaces are available.

File Description	Documents
Upload relevant supporting document	[View File](#)

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

3628.62

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

The KLE Technological University Central Library has a carpet area of 3000 square meters and state-of-the-art infrastructure facilities with a seating capacity of 600.

Library Automation: The Library has automated all its services by using a Web-based Library Management system called CONTINUO LMS, which is a comprehensive software to deal with routine Library transactions such as Acquisition, Circulation, Cataloguing, serial Control, Bookbinding, Stock Verification, Web OPAC & automatic sending of messages.

The library resources have been completely bar-coded and automated, helping users with operations like transactions, OPAC (Online Public Access of Catalogues), and reservation of books, etc. The library provides a Technology Platform and Database of plagiarism-checking tools called "Turnitin Web Tool," GATE Tutor, and "Grammarly," which are available in support of R&D activities for faculty and students.

Digital Central Library is well facilitated with a high-speed 950 MBPS internet -line. Digitization of organized e-resources or publications of faculty, project reports, a rare collection of books, question papers, seminar papers, and the thesis is uploaded to the library server using DSpace, which is accessible on campus. The KNIMBUS Digital Library Platform has facilitated remote access to e-resources.

File Description	Documents
Upload relevant supporting document	[View File](#)

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases	A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	[View File](#)

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

79.24

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	**No File Uploaded**

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

3101

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

75

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

KLE Tech provides a wide range of ICT facilities to cater needs of students, faculties, and researchers. A well-defined IT policy provides guidelines for all ICT users across campus in accessing and using the organization's IT assets and resources.

Policy includes;

· Policy for the use of Software

· IT Security

· Email

· IT Data Backup

· Bring Your Own device

· E-waste management

· Hardware Purchasing

· Software Purchasing

KLE Technological University keeps all IT policies current and relevant, in line with changing technology scenarios. Therefore, it has been changed occasionally, and some sections of the policies and procedures have changed.

Budget: As a part of technology enhancement and to be relevant in the fast-changing ICT world, IT Cell, in consultation with Heads for academic departments and research cells, prepares separate budgets (Info cell Budget) for every financial year.

To manage a wide range of ICT facilities, the university has constituted a separate cell (Info cell) with one faculty member as the Coordinator of IT cell and trained and certified human resources (diploma, ITI).

IT cell (info cell) is responsible for planning, procuring, and managing ICT facilities across campus.

File Description	Documents
Upload relevant supporting document	[View File](#)

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
5987	1965

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)	• ?1 GBPS

File Description	Documents
Upload relevant supporting document	No File Uploaded

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing	A. All of the above

File Description	Documents
Upload relevant supporting document	[View File](#)
Upload the data template	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

2799.74

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The University has adopted a Process-Oriented ISO 9000 – 2015

Quality Management System (QMS). As a part of the QMS System, a well- defined quality control procedure is followed to maintain Academic and Physical infrastructure. Every year, adequate budget provisions are made to repair and maintain buildings, gardens, equipment, computers, and furniture.

1. Laboratories:

Maintenance: Technical experts carry out All repairs and maintenance annually. Advanced and Expensive Equipment is maintained through the Annual Maintenance Contract (AMC).

Calibration / Verification: Calibrated/verified annually against devices traceable to nationally recognized standards.

The software/simulation tools: Maintained at the central servers, and Accessibility and up-gradation of the versions are taken care of as and when required by IT Cell.

Physical Infrastructure Maintenance: Carried through the 'Construction and Maintenance Cell' of the University headed by a senior faculty of Civil engineering. The cell works under the estate board and has qualified staffing to carry out its tasks, which cover maintenance of buildings, roads, gardens, landscapes, sports facilities, auditoriums, electrical installations, etc.

ICT infrastructure & Library: The IT Cell looks after the campus fiber optics backbone and distribution network, central servers, ICT tools, and computers. Similarly, the library's regular maintenance, including annual pest control of books, is carried out by library staff under the direction of the librarian

File Description	Documents
Upload relevant supporting document	No File Uploaded

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

`979`

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

`198`

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology	`A. All of the above`

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	• `All of the above`

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

52

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

797

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

50

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for a team event should be counted as one) during the year

27

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

The university has a vibrant and proactive student council that primarily contributes to the student community's welfare and participates in institutional development activities. Students, with the staff's support, elect the candidate(s) to represent their class/batch. The final-year class representatives form the core members of the Student Council members. The student council has equal representation for both genders. One boy and one girl student head the different portfolios. The student council reports to the Dean-Student Affairs of the University and is supported by a team of senior faculty as mentors. Roles of the Student Council:

- **Officially represent all the students in the Institute.**
- **Identify and help solve problems encountered by students in the Institute.**
- **Communicate its opinion to the Institute administration on any subject that concerns students.**
- **To promote and encourage the involvement of students in organizing relevant institute activities.**

Activities for Institution development & student welfare:

- **Organizing educational and recreational activities for students.**
- **To propose activities to the Institute administration that would improve the quality of student life in the Institute.**
- **Coordinate with office bearers of student associations**

Organize and manage co-curricular, extra-curricular, and student development activities

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

27

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional)contributes significantly to the development of the institution through financial and other support services during the year

BVB KLE TECH Alumni Association: The Alumni Association was Registered in 2001-02 and has been active since then. We have active groups in Bengaluru and Pune. We do have WhatsApp groups in the US, UK, Australia, Singapore, Bengaluru, and Pune that are in the process of registering as alumni associations.

Alumni Contribution:

1. Alumni are participating as members of the Board of Studies in different Schools/ Departments to assist in building curricula considering industry needs.

2. Providing technical talks, preparing for placement interviews, and connecting companies for internships and placements.

3. Providing financial assistance to needy students through the

Nurture Merit program (INR 5.00 Lakhs in 2021)

4. Supported financially (Rs.94 lakhs) for the construction of the KLE Tech Park building, which houses startups working under CTIE (Centre for Technology, Innovation, and Entrepreneurship),

5. Creating an active website: www.bvbkletechalumni.org with a total membership of 14078 as of 12th September 2021.

6. Alumni in the US have actively supported our juniors who join their MS programs in the US. also actively extending their support for internships and even placements. Providing assistance to conduct annual meets/Silver Jubilee/Golden Jubilee celebrations on the campus

File Description	Documents
Upload relevant supporting document	[View File](#)

5.4.2 - Alumni contribution during the year (INR in Lakhs)	A. ? 5Lakhs

File Description	Documents
Upload relevant supporting document	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

Institute Vision:

KLE Technological University will be a national leader in higher education and will be recognized globally for its innovative culture, outstanding student experience, research excellence, and social impact.

Institute Mission:

KLE Technological University is dedicated to teaching that meets the highest standards of excellence, generation, and application of new knowledge through research and creative endeavors.

The three-fold mission of the University is:

- To offer undergraduate and post-graduate programs with engaged and experiential learning environments enriched by high-quality instruction that prepares students to succeed in their lives and professional careers.
- To enable and grow disciplinary and inter-disciplinary areas of research that build on present strengths and future opportunities aligning with areas of national strategic importance and priority.
- To actively engage in the Socio-economic development of the region by contributing our expertise, experience, and leadership to enhance competitiveness and quality of life

All faculty, staff, and students work together with the spirit of

collaboration and partnership to accomplish our mission. The strategic planning process is done once every five years through a series of brainstorming with all stakeholders.

Further, The Program Educational Objectives (PEO) that drive the program's academic aspiration are drafted within the framework of the mission of the University. The consistency of PEO and the University's mission are ensured

File Description	Documents
Upload relevant supporting document	[View File](#)

6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and participative management

KLE Technological University has adopted a process-based Quality Management System (QMS) in line with ISO 9001-2015, which applies to all the programs and process groups. A Quality Assurance System is conceived as a mechanism to build and ensure decentralized and participative management.

All the administrative and academic processes at the institutional and program levels require faculty participation from all levels. Vice-Chancellor, Registrar, and deans provide leadership at the university level. Administration heads of the departments/schools/centers assist them. The academic processes and committees have representation from various levels: Professor, Associate Professor, and Assistant Professor.

Faculty participation in Academic & Administrative Process: The Board of Studies and Academic Council faculty participation in academic processes. Crosscutting tasks across the University are identified, and separate cells are formed to manage these tasks. These cells shown below are headed by a faculty coordinator and members drawn from the department faculty.

- Info Cell (To establish and run IT infrastructure)
- Library Management Committee
- Construction & Maintenance Cell
- External Project Implementation

At the department level, faculty coordinators are identified and given ownership of the process to manage important tasks, like feedback analysis, student counseling, department budget, IQAC, etc.

File Description	Documents
Upload relevant supporting document	[View File](#)

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

KLE Tech is actively involved in developing the research activities. Several steps have been taken to enhance the research capability, one such research facility is created in collaboration with Samsung Research Initiative Bangalore (SRIB), where students work on Real- world AI & Data Engineering Projects. Engineers at Samsung R&D Institute, Bangalore, will mentor students to make them industry-ready.

Samsung, India's largest and most trusted consumer electronics and smartphone brand, has set up a data science lab at KLE Technological University in Karnataka's Hubballi city to strengthen India's innovation ecosystem, build capabilities among students that meet industry needs and promote industry-academia collaboration, furthering Samsung's commitment to its vision of #PoweringDigitalIndia.

The lab called Samsung Student Ecosystem for Engineered Data (SEED) lab, will see students and faculty at KLE Tech work on joint research projects with engineers at Samsung R&D Institute, Bangalore (SRI-B), which is Samsung's largest R&D facility outside Korea, helping find solutions to real-world India-specific problems.

At the SEED lab, students and faculty at KLE will work on advanced technology training as well as joint research collaborations on domains such as data engineering and research in Artificial Intelligence across domains such as camera tech, speech and text recognition, and Machine Learning, making students industry-ready.

File Description	Documents
Upload relevant supporting document	[View File](#)

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The KLE Technological University has been established per the Karnataka Act 22 of 2013. This act forms the guiding document.

Statutes & Regulations are per this act. The overall set-up of the administrative and academic bodies of the University and their functions and responsibilities are shown below:

1. TheBoard of Governors (BOG) is the Principal Governing Body of the University

2. TheExecutive Council is the principal advisory body to BOG and other councils

3. Academic Council is the principal academic body of the University and, coordinates and exercises general supervision over the academic policies of the University.

4. TheResearch Council is the Principal Research Committee of the University. It provides a larger holistic vision of the kind of research to be undertaken by the University and coordinates and exercises general supervision over the University's research policies.

The Finance Council is the principal financial body of the University that undertakes coordination exercises, and general supervision over the financial matters of the University

File Description	Documents
Upload relevant supporting document	[View File](#)

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation 1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination	A. All of the above

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

The University adopts a comprehensive faculty appraisal system to ensure that faculty activities align with the university's mission, accurately measure performance, and assist in creating customized development plans for individual faculty members.

The Appraisal of Faculty is an online process from 2021-22, where the goals and the weights are defined at the beginning of the Calendar year. The outcomes are defined and categorized in the fields of teaching, research, and leadership. Based on the performance of the outcome, faculty are given promotions, incentives & increments.

Similarly, non-teaching staff are given growth and career advancement for their contribution.

The Welfare schemes are guided by the framework of the University statute, Service rules, and the existing rules framed by governing bodies of Higher Education like AICTE and UGC like;

- The eligible are covered under the schemes of ESI, Contributory Provident Fund, and Gratuity and Maternity leave of 90 days.
- Faculty also have the facility of "Leave Encashment" as per the Service Rules of the University

For Admissions to KLE Technological University: 50% off on the Tuition fees is extended to the immediate ward of the employee.

File Description	Documents
Upload relevant supporting document	[View File](#)

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

58

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	No File Uploaded

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

4

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

127

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The University has a transparent and well-planned financial management system. The primary source of the funds is from

· Student tuition fees and

· Salary grants from the state government for aided courses.

In addition to the above, the University strives hard to get funding through project and research grant schemes from state and central governmental agencies. A few University initiatives also seek funding from industries and alumni donors.

The University has a well-defined process to arrive at the yearly budget and also to review and monitor expenditures regularly. This process helps the University to utilize the budget effectively in the financial year. The finance council prepares the budget.

Further, the budget is approved by the Board of Governors. Executive Council reviews the progress in budget utilization.

Budgeting ensures that expenditures for all salaries and academic requirements like lab equipment, consumables, maintenance, library, and ICT are met in full. The remaining available fund is utilized to develop new laboratories and infrastructure.

Over the last five years, fund utilization has consistently been 100%. The equipment/instruments/infrastructure on which investments have been made are utilized fully by sharing them with allied schools/departments.

File Description	Documents
Upload relevant supporting document	[View File](#)

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

6.4.3 - Funds / Grants received from non-government bodies, individuals,philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

68.69

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	No File Uploaded

6.4.4 - Institution conducts internal and external financial audits regularly

University considers financial audit an integral part of good governance. It helps examine and evaluate the financial statements and ensures that the financial records are fair and accurately represented. The audit helps us regularly and systematically examine financial transactions to ensure accuracy, authenticity, and compliance with procedures and guidelines. Our books of accounts have been audited regularly since the inception of the University. The Auditors conduct concurrent and statutory audits

for our Institution.

Concurrent audit: The objective of concurrent audits is to assess monthly transactions' completeness, accuracy, and propriety for anomalies and compliance with University policies and procedures.

Statutory audit: The statutory audit follows the Standards on Auditing (SAs) issued by the Institute of Chartered Accountants of India(ICAI). In line with the code of ethics issued by the ICAI, the auditors appointed are independent of the University.

Reporting: The auditor will summarize identified findings in an audit report to management. The report will identify those issues requiring resolution.

The mechanism for settling Audit Objections: In case of any significant audit objections, the same is put up in the Finance Council Meeting and then forwarded to the Executive Council and Board of Governors for resolution, to date, our Institution has not come across any significant audit objections as such

File Description	Documents
Upload relevant supporting document	[View File](#)

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

Following are the two practices institutionalized as a result of IQAC initiatives

Title of the Practice: Bichronous Online Learning Model: Blending Asynchronous and Synchronous Online Learning

KLE Technological University leveraged the disruption created by the COVID-19 pandemic to transition to online teaching-learning systematically. The overarching goal was to research existing blended learning models and develop a model of learning that suits undergraduate engineering education.

Title of the Practice: Collaborations:

There are numerous collaborations in place aimed at enhancing the

learning experience. Following is one of the case studies that enabled the institutionalization of the learning experience across all domains on the campus.

KLE Technological University has collaborated with IUCEE for the year 2022. IUCEE, under this MoU, agrees to provide the following content for free access to the Institution, where all the Administrators, Faculty, and Students of Institutional Members Benefit from these. Many faculty have attended the workshops and webinars on NIRF, NBA, entrepreneurship, and teaching and learning. As KLE Tech is a consortium member of IUCEE, we have free participation in signature programs.

The programs are as follows;

IIEECP certificate program: 4 faculty participated, and two gota certificate in that program. Engineering Education Research course: One faculty member has participated in and completed the course.

Mini Courses relevant to NEP: A total of 6 courses were offered by IUCEE, and 30 first-year engineering students took these courses and were mentored by six faculty members.

File Description	Documents
Upload relevant supporting document	No File Uploaded

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	B. Any 4 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting documment	No File Uploaded

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

Quality enhancement in the academic domains of Teaching Learning As the first-year and higher-semester students were fromCOVID-19-affected batches, more emphasis was given to teaching and learning basic concepts of mathematical subjects, making it moreeffective with additional practice sessions. Various software tools

like MATLAB, PYTHON, and r-Programming were introduced in the curriculum to improve visualization and computation. The Learning Management System (LMS) supports students with recorded videos that can be accessedanywhere and anytime.

Research: It was a challenging year for research because of the COVID-19background. The university purchaseda campus-wide license for Coursera Inc. to introduce new technologies. On average, 1300 courseswere completed by the enrolled users. The school of advanced science started to increase the interaction between science and technology.An awareness was created among the faculty about the university IPRpolicy and process of patenting. This has resulted in 09patentfilings in the year 2022-23.

Quality enhancement in the Administrative and other domains: A need for a document management system was realized to support governance,and accordingly, a service provider was identified. The Infrastructure for sports in general and building an indoor stadiumwas initiated to enhance sports and co-curricular activities.Additional classrooms with complete ICT facilities were constructedto augment the new courses that had started. More e-books and e-journals werepurchased.

File Description	Documents
Upload relevant supporting document	[View File]()

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

University proactively promotes gender equity and a safe environment for all its members. The university ensures the on-the-ground implementation of these values through appropriate committees and policies such as anti-sexual harassment policies.

The committees and policies align with UGC guidelines to ensure the campus is free from any form of sexual discrimination and harassment and provide adequate social security counseling support.

Curricular:

1. General ethical practices are part of some courses

2. Gender sensitization activities.

Co-curricular:

1. Women empowerment cell to empower women for a life of equality, empowerment, personal enhancement, and professional success

2. Gender discrimination and elimination of gender-based violence Facilities exclusive for women:

Common Room: Furnished restrooms are made available for girls on the campus & in each department, an adequate number of restrooms are made available for girls. Common rooms and girls' hostels are equipped with sanitary napkin vending machines, first-aid boxes, drinking water, and other necessary facilities. A lady doctor visits the campus daily during working hours and is available in the university medical Center.

Safety Measures: 24X7 security system at the entry & exit points of the campus & hostels & 323 CCTV surveillance cameras are in the campus and hostels. Daycare center: For women's peaceful working, the management of the University runs Day Care Centre. Young children of the women employers have admitted their wards.

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	http://viewdocs.kletech.ac.in/2021-22_NAAC_D ATA/CR7/7.1.1/7.1.1_Annual%20Sensitixation%2 0Plan.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	http://viewdocs.kletech.ac.in/2021-22_NAAC_D ATA/CR7/7.1.1/7.1.1_3_Revise%20Specific%20Fa cilties%20for%20women%20Photos.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Upload relevant supporting document	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The University is committed to reducing its ecological footprint and providing a safe and healthy work environment for staff, students, and surroundings. It recognizes its ethical and legal responsibilities to manage waste that arises from the university's operations in a manner that reduces negative impact on the environment and avoids causing harm to human health. This is achieved by ensuring that the campus wastes are disposed of by adopting eco-friendly practices/technologies

1. Solid Waste Management: The Universities approach to waste management is modelled after 'Waste Hierarchical Approach', to reduce, reuse, recycle and recover waste to reduce the amount of disposable waste and preserve valuable, limited landfill space. Plastic-free Campus, Paperless communication, & Use of ERP are

some of the majors undertaken.

2. Liquid Waste Management: Treating wastewater through a sewage treatment plant with a capacity of 150 KLD and a dual plumbing system to use treated water. The treated water is used for gardening, lawns, and greening the campus.

3. E-Waste Management: Extreme care is taken in disposing of e-waste through the info Cell of the University through a buyback arrangement.

Hazardous Chemicals and Radioactive waste management: Hazardous chemicals and liquids accumulated in wet laboratories are disposed of in prescribed protocols to ensure the safety of students and staff

File Description	Documents
Upload relevant supporting document	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	[View File](#)

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	[View File](#)

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	**B. Any 3 of the above**

File Description	Documents
Upload relevant supporting document	[View File](#)

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software,mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	**A. Any 4 or all of the above**

File Description	Documents
Upload relevant supporting document	[View File](#)

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

The University strives to maintain an inclusive environment on the

campus and universal brotherhood. Every year, the University organizes various programs and celebrations to inculcate tolerance, harmony, culture, and heritage among students. Following are some of the activities. The reservation policy laid down by the government is followed. The extension activities conducted under UBA have emphasized cultural specificities and diversities.

The University also follows the tradition of celebrating various significant religious festivals. Students celebrate the traditional day with great enthusiasm, showing their regional attire.

Women's Day celebrations.

Independence Day and Republic Day celebrations

Swami Vivekananda Jayanti to inculcate moral and ethics

Mahatma Gandhi Jayanti.

Mandatory programs and projects by students at various community engagements

Cultural activities.

Students projects in schools and slums

Youth festival

Drama, Street plays

Screening of movies.

World Cancer Day celebration

Educating school children

Art competition (Kaladevi).

Health camps

Pledge on the Graduation and Sadbhavana day.

Marathon runs for unity and diversity.

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

A good and comprehensive education system is expected to create thenecessary capital and knowledge workers to contribute to the nation's development. Students play a crucial role in ourcountry, and everyone looks at the students for society's and the nation's welfare. Communal harmony is the love, peace,respect, and cooperation among those people from different races andcommunities. The University focuses on human values, righteous conduct,love, and nonviolence.

The University has introduced a course on the Indian constitution. Through this effort of the University, every enrolled student gets a chance to read and understand constitutional obligations concerning the values, rights, and duties of responsible citizenship.National days are celebrated regularly to encourage students not to get attracted by anti-social and anti-national forces but to realize their goal of pursuing education.

Independence Day, a national festival of pride, memory, and unity,all synthesized in one, is celebrated every year. The Republic Day, which signifies self-rule, commemorates the great souls responsible for the historical Indian constitution.The University, on the occasion, organizes a marathon run for unityand other programs.

Gandhi Jayanti is celebrated regularly as an international day ofnonviolence. The University has organized many related activities in adopted villages

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on Code of Conduct are organized	All of the above

File Description	Documents
Upload relevant supporting document	[View File](#)

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Besides celebrating national festivals such as Independence Day,republic Day, and Gandhi Jayanthi, the University organizes several national and international commemorative events to imbue theachievements and contributions of great personalities like social reformers, thinkers, philosophers, and scientists to propagate theirideas and teachings.

Celebrations of National Science Day on February 28th every year tomark the discovery of the Raman effect by Indian physicist Sir C V Raman, World Environment day on June 5th. Youth Day on January 12thto commemorate the birthday of Swami Vivekananda. Similarly, International Yoga Day on June 21st, International Women's Day on March 8th, and sports days are celebrated.

The University celebrated Dr. B.R. Ambedkar's 126th birth anniversary, Teachers' Day on September 5th, the constitutional day on November 26th, and Engineers' Day on September 15th.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

Title: Interdisciplinary Research and Collaboration

Objective: To promote Interdisciplinary Research for Societal Transformation at KLETECH

The Context: Led by intellectual curiosity and willingness to cross disciplinary boundaries, KLE Tech researchers create and apply knowledge across various disciplines and fields to bring about societal transformation. We invest in and support emerging and established research groups/ clusters of networks of diverse researchers working to pursue common aims. We believe that collaborations and partnerships are essential for impactful

research.

This has led to establishing STAR-Labs (Science & Technology Advanced Research Centers). The centers drive internationally competitive, leading-edge, high-impact, collaborative research in strategic areas to propel KLE Tech to Preeminent research-intensive university status by 2030. Details of Seven STAR labs are listed.

- Centre of Excellence in Material Science (CEMS)
- Centre of Excellence in Visual Intelligence (CEVI)
- Centre of Excellence in Energy and Environment (CEEE)
- Centre of Intelligent Mobility (CIM)
- Electric Vehicle Innovation Centre (EVIC)
- Center for AI Research (CAIR) - Edge computing, HPC and Intelligent Solutions for Healthcare Applications (ISHA)
- Centre for Automation and Robotics Research (CARR)

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

i. KLE- Center for Technology Innovation and Entrepreneurship (KLECTIE)

KLE – Centre for Technology Innovation and Entrepreneurship (CTIE)is a Technology Business Incubator (TBI) recognized by the Department of Science & Technology (DST), Government of India. Ithas created 30,000 sq ft of state-of-the-art incubation facilities. The center has other supporting facilities like a maker space, an Electronics enabling lab, and a VLSI/ESDM cluster.KLE–CTIE attracts entrepreneurs predominantly because ofcollaboration with the university ecosystem that helps the startupsget the necessary support in terms of manpower and environment totest products, build products, seek support from mentors, and scaleup.

ii. Center for Innovation Product Development (CIPD)

The University established the Center for Innovation and ProductDevelopment (CIPD) as a product innovation, design, and development center to support industries in the "Idea to Market" journey. The center aimsto foster innovations, business growth, and employment opportunities in rural India, tier II and III cities.Besides commercializing several in-house developed products and patents, CIPD established a business incubator, a design

center, andan IP facilitation cell. These endeavors are supported by the Department of MSME, Government of India. The Department of MSME also recognizes itas a "Design Centre" specifically to supportMSMEs in this region.

7.3.2 - Plan of action for the next academic year

1. Improving Institute Ranking (NIRF) under Engineering and University category / Applying for ABET Accreditation

2. Starting New Programs on Campus.

3. Establishment of more centers of excellence (Centre for Automation and Robotics Research)

4. Submission of more proposals for funding agencies.

5. Efforts to commercialize one or two published patents.

6. Completion of State of the art infrastructure for sports andcultural activities.

7. Administrative/IT Skills programs for supporting staff.

8. More academic and industry collaboration withnational/international intuitions/ Industries of repute.

9. Separate Building for the School of Electrical and Electronics Engineering and Computer Applications