



YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	Lokmanya Tilak Jankalyan Shikshan Sanstha's Lokmanya Tilak College of Engineering
• Name of the Head of the institution	Dr. Vivek Sunnapwar
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02227541005
• Mobile No:	9821221952
• Registered e-mail	principal.ltce@gmail.com, principal@ltce.in
• Alternate e-mail	naac@ltce.in
• Address	Sector - 4 , Koparkhairane
• City/Town	Navi Mumbai
• State/UT	Maharashtra
• Pin Code	400709
2.Institutional status	
• Affiliated / Constitution Colleges	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	Self-financing				
• Name of the Affiliating University	University of Mumbai				
• Name of the IQAC Coordinator	Dr. Subhash Shinde				
• Phone No.	02227541005				
• Alternate phone No.	02227541006				
• Mobile	9594170066				
• IQAC e-mail address	skshinde@ltce.in				
• Alternate e-mail address	naac@ltce.in				
3.Website address (Web link of the AQAR (Previous Academic Year))	https://ltce.in/naac-aqar-21-22				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://ltce.in/assets/NAAC/Academic-Calendar-22-23.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A	3.11	2023	01/05/2023	30/04/2028
Cycle 1	B++	2.95	2017	30/10/2017	29/10/2022
6.Date of Establishment of IQAC			13/07/2016		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Institutional 1	Financial assistance for organizing seminar	NAAC	2022	30,000	
8.Whether composition of IQAC as per latest			Yes		

Plan of Action	Achievements/Outcomes
Apply for Cycle 2 NAAC Accreditation	Accredited by NAAC with A grade for cycle 2.
Organize NAAC sponsored National level symposium	NAAC sponsored National level symposium on
Organize International Conference	First International conference on
Upgradation of laboratories	Purchased 200 computers for various departments
Green campus initiative	Synergy sustainability cell was set up
Submission of AQAR for the AY 2021-22	AQAR for AY 2021-22 was submitted in the month of December
Digitization of notice boards as per the contemporary needs	Digital boards were purchased
IEEE Subscription	IEEE subscription was renewed
Conduction of workshops, seminars, FDPs, etc.	Organized various seminars, workshops, FDPs, etc., which enhanced soft skills, presentation skills, technical skills etc.
Organize Hackathons & Project competitions	Organized institute level Smart India Hackathon, Project competitions, etc.
MoUs with industries	Benefitted for Internships , Live projects , Consultancy , Placements, etc.

13. Whether the AQAR was placed before statutory body?	Yes
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<ul style="list-style-type: none"> Name of the statutory body
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Name	Date of meeting(s)
Governing Body , LTJSS	06/12/2022

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	20/10/2023

15. Multidisciplinary / interdisciplinary

The Institute is affiliated to the University of Mumbai and follows the curriculum prescribed by the University. Multidisciplinary and interdisciplinary courses have been integrated into the curriculum by the University for holistic development. Academic programmes are redesigned to include Multidisciplinary / Interdisciplinary courses as Institute level optional courses. In accordance with the NEP, the institute is also offering Minors and Honors programs on emerging fields including AI & ML, Data Science, Cyber Security, IoT, Blockchain, etc., as per the guidelines of University of Mumbai, wherein students can opt for various courses of their interest in addition to their core branch of studies. This enables the students to acquire knowledge, skills, attitudes and values of other disciplines and enhances their learning in a wider spectrum. In addition, our institute has started three new Undergraduate Programmes in emerging areas. It can be said that the institute is proactively working towards implementation of the suggestions given in the NEP.

16. Academic bank of credits (ABC):

LTCE is a member of the National Academic Depository which is a government endeavor to offer an online repository for all academic awards under the Digital India Programme. Institute will formally register in the ABC portal as soon as the resolution is being approved by the higher academic bodies. The pedagogical approach of the institution is student centric where the faculty pedagogical approaches are constructivist, inquiry-based, reflective, collaborative and integrative. Summative and Formative assessments and assignments are used to evaluate the student's learning outcome.

17. Skill development:

The vision of the Institute is promoting Value-Based Quality Education; hence the college takes efforts to inculcate positivity among the learners. The institute offers various value-added courses, workshops, seminars etc., to enhance the skills of the students. They are motivated to participate in various project competitions, hackathons etc., to develop their innovative skills. Every department has student associations wherein students get an opportunity to showcase their talents and develop their managerial

skills. The Institute Innovation Cell (IIC) of the college regularly organizes various workshops and seminars by eminent persons from industry and academia for the overall skill development of the students. The college celebrates National festivals like Independence Day, Republic Day etc. and also observes various days, like World Aids Day, Woman's Day, Environment Day, commemorating the Death and Birth Anniversaries of National leaders etc., helps in imbibing the good qualities of the students. Mentoring students is also one of the practices of the institution, to enable students to explore entrepreneurship skills and future employment pathways after graduation, and help them get the maximum benefit out of their studies.

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

Knowledge of Indian languages is essential to understand the rich heritage of India. Regarding the adoption of Indian languages, the college has various clubs for Indian languages like Hindi, Marathi etc., which organize various programs to encourage learners to understand the cultural values and heritage permeated by the literary works in respective languages.

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

LTCE has implemented Outcome Based Education (OBE) with clearly stated Programme Outcomes (PO), Programme Specific Outcomes (PSO) and Course Outcomes (CO). All the courses are designed with outcomes centered on various levels of cognitive abilities namely, remembering, understanding, applying, analyzing, evaluating and creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsiveness and ethics, as well as entrepreneurial skills so that students contribute proactively to economic, environmental and social well-being of the nation. The Course Objectives are also aligned to the PO-PSO philosophy. All course syllabi have been designed with due consideration to macro-economic and social needs at large so as to apply the spirit of NEP.

20.Distance education/online education:

Due to Covid -19 pandemic, educational institutions in the country have increasingly been involved in using the digital platforms for engaging classes, conducting conferences and meetings. Keeping in view of the convenience of the students, the various technological tools used by the faculty members especially during the pandemic lockdown are Google Classroom, Zoom, Google meet etc. Using videos as teaching and learning aids, Group collaboration and interactions, assignments and revisions as well as the online exams and

assessments have been conducted, are some of the institutional efforts towards blended learning. Faculty members are encouraged to offer MOOC courses at LTCE which promotes the blended learning system of learning.

Extended Profile

1.Programme

1.1 377

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 2030

Number of students during the year

File Description	Documents
Data Template	View File

2.2 216

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

File Description	Documents
Data Template	View File

2.3 504

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 105

Number of full time teachers during the year

File Description	Documents
Data Template	View File
3.2	105
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	35
Total number of Classrooms and Seminar halls	
4.2	1999.7336562
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	894
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The institute is affiliated to University of Mumbai and follows the curriculum prescribed by the university. University of Mumbai provides the timeline for the entire academic session. Before the start of every academic session, Principal along with Vice-Principal conducts an IAC meeting with Heads of all the Departments and finalizes the Academic Calendar in alignment with the university schedule. Academic calendar is then uploaded on the institute website. Subjects are allocated to the faculty members based on their subject expertise and interests well in advance. Time table for every semester is prepared by the respective Timetable coordinators of various departments in consultation with the HoDs and the load distribution is informed to the Principal. Teaching plan and the assignments for the semester are prepared by the respective subject in charge before the start of the new semester.

Depending on the evaluation scheme as per the university guidelines, two class tests for 40% and 80% syllabus are conducted per semester taking into consideration the COs defined for each course to evaluate the students. The internal assessment dates, the result declaration dates and the tentative dates for End semester examination for first year and higher semester students are mentioned in the academic calendar and every department adheres to the dates mentioned in the academic calendar.

An IAC meeting is conducted at the end of the semester to conclude the academic session.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://ltce.in/NAAC-CRITERIA-1

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

University of Mumbai provides the timeline for the entire academic session. Before the start of every academic session, Principal along with Vice- Principal conducts an IAC meeting with Heads of all the Departments and finalizes the Academic Calendar in alignment with the university schedule. Academic calendar is then uploaded on the institute website. Depending on the University evaluation scheme, two class tests for 40% and 80% syllabus are conducted per semester taking into consideration the COs defined for each course to evaluate the students in internal assessment. The internal assessment dates, the result declaration dates and the tentative dates for End semester examination for first year and higher semester students are mentioned in the academic calendar and every department adheres to the dates mentioned in the academic calendar.. Every department ensures that the journal submission and the conduction of oral examination are as per the dates mentioned in the academic calendar. The tentative dates for starting of the new academic session is also mentioned in the academic calendar. Due to the pandemic situation, the Even semester academoc activities were disturbed and semester activities got delayed from the planned dates.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://ltce.in/NAAC-CRITERIA-1

1.1.3 - Teachers of the Institution participate in A. All of the above following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

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

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

7

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement

for year: (As per Data Template)

3

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

178

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

178

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The institute follows the curriculum of University of Mumbai. Several courses like Professional ethics and CSR, Environmental Management, Disaster Management and Mitigation Measures, Energy Audit and Management, Human Resource Management are included into the curriculum which integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. In addition to this, various activities are organized by the institute to bring awareness to the students. The women development cell of the institute organizes various programs for the empowerment of girl students. NSS unit of the institute arranges various social activities which integrate human values, ethics and social responsibility. Students are also encouraged to do projects on environmental sustainability.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

36

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1559

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the **A. All of the above**

**syllabus and its transaction at the institution
from the following stakeholders Students
Teachers Employers Alumni**

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://docs.google.com/spreadsheets/d/1JqhFkiN8rey3P6q7YaTZ-DK7SXuqNpyLpOaug0_C5W0/edit?usp=sharing

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

567

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

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

413

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

On the basis of internal assessment, university exam results and performance during lectures, advanced learners and slow learners are identified. Advanced learners are motivated to participate in various technical activities and workshops. They are encouraged to be part of various students associations and competitions. They are encouraged to do online courses like NPTEL sessions on advanced topics. In addition to this, they are motivated to participate in competitions like SAE, BAJA, Avishkar Project competition, Conferences etc. For slow learners, remedial lectures are arranged from time to time to improve their performance. Special attention is given to such students by the faculty mentors. . Proper guidance and counselling is given to slow learners to build up their confidence level.. Bridge courses are arranged for mathematics for directsecond year students to improve their mathematical skills.

File Description	Documents
Link for additional Information	https://ltce.in/activities_Tantragyan, https://ltce.in/ISTE-Students-Chapter, https://ltce.in/assets/Report_SAE.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2030	105

File Description	Documents
Any additional information	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

LTCE believes in student centric methods and all the activities are arranged according to the benefit of the students. In addition to the traditional teaching methods, various experiential learning methods like, mini projects, practical, field work, internships, project competitions, paper presentations, industrial visits, value added courses etc are also included in the teaching learning process. Guest lectures and webinars are organized from time to time on various topics which enhances students learning capability and skills. Every department has student associations which helps the students in participative learning, team work and overall personality development. In addition to this various programs are arranged by the students chapters of the institute. To develop problem solving skills students are given assignments, quizzes, mini projects, presentations etc.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://ltce.in/Centre-of-Excellence , https://ltce.in/activities ASHRAE Report, https://ltce.in/assets/Google-Cloud-Career-Readiness-Program.pdf , https://ltce.in/activities WDC, https://ltce.in/assets/Report_SAE.pdf , https://ltce.in/activities Glimpses-ICRMIR-23

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

For effective teaching learning process, teachers at LTCE use ICT tools to introduce modern teaching methods thereby improving the quality of education. Google classrooms were easily adopted by all the faculty members during the pandemic situation to impart teaching learning process. Virtual labs are used to conduct practical sessions by adopting modern technology. Effective delivery of the curriculum was done through various online tools and PPTs. Online

quizzes are regularly conducted. For subjects involving mathematical analysis various online tools like white board are used for effective curriculum delivery. In addition to this students are also motivated to register for various online courses like NPTEL, Swayam etc. Online workshops and webinars are also conducted for the benefit of the students. Google classrooms are used for regular assessment of the students by means of quizzes and assignments. Google forms and google meet are used to conduct online examinations. Results are also declared online and uploaded in the examination blogspots regularly. WiFi is enabled in the whole campus to provide internet access to various online resources like NPTEL lectures, YouTube etc.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://ltce.in/facilities

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

100

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

105

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

37

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1328

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The institute has a college level Exam committee and a department level internal exam committee. The exam committee works under the

supervision of the Head of the institute. Every department has an internal exam committee responsible for the preparation of Timetable, setting of the question paper, declaration of the results of internal tests. After evaluation of internal tests, the answer sheets are shown to the students for any grievances. The grievances of the students are considered and looked into at the department level. The average of the two internal tests are considered for the internal assessment marks. The main reforms initiated by the exam cell committee is the timely declaration of the results and the moderation of the question papers. For the continuous evaluation process, internal tests, assignments, quiz, presentations, lab work, seminars etc are taken into consideration. Term work marks are given to the student depending on the continuous performance in the internal assessment. The rubrics for each practical and tutorial are based on the parameters: performance, lab-ethics, self-learning initiative, conceptual understanding, punctuality and attendance.

File Description	Documents
Any additional information	View File
Link for additional information	https://ltce-exam-notice.blogspot.com/

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

At the start of the academic session, orientation programs were arranged for the students to understand the whole academic process and evaluation methods. Examinations are conducted as per the dates mentioned in the Academic calendar. Prior to examinations, information regarding marking scheme is given to the students. The evaluation of internal tests are completed within 5 days of the exam conduction date by the subject in charge. After evaluation of internal tests, the answer sheets are shown to the students for any grievances. The grievances of the students are considered and looked into at the department level. For University examination, if the students are not satisfied with their marks, they can apply for photocopy or revaluation of answer sheets by paying the prescribed fees , provided they should apply within a stipulated time given by the University. . The grievances related to results, correction in marksheets and other exam related issues are handled by the Exam cell of the institute.

File Description	Documents
Any additional information	View File
Link for additional information	https://ltce.in/abt_committee, https://ltce.in/abt_committee

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The institute as well as the University follows an outcome based education policy. The Program Outcomes (POs) and the Course Outcomes (Cos) are stated by the respective programmes and it is published in the college website. COs are defined for all the courses in the University prescribed curriculum. The subject incharges defines the COs in accordance with the COs mentioned in the syllabus. In addition this, the information about POs & COs are given to the students at the start of the semester during orientation program and during lectures of each course. The COs and POs are mentioned in Assignments, quizzes, question papers, labj ournals etc. to make students aware about the importance of outcome based education.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://ltce.in/com_dep_about, https://ltce.in/mechanical, https://ltce.in/electrical_engg_about, https://ltce.in/etc_engg_about, https://ltce.in/cse-iot-cyber-Introduction
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The course outcomes for each course are defined according to the respective course syllabus. Course outcomes are mapped with Program Outcomes and Program Specific Outcomes with correlation levels as 1: Slight, 2: Moderate, 3: Substantial. Course outcome attainment is calculated by measuring COs attained through University Examinations and by measuring COs attained through Internal Assessment bydefining the target value for a program. Direct attainment of COs are

calculated by 50% of ESE and 50% of IA. Indirect attainment of COs are calculated through Course Exit Survey. Overall CO attainment is calculated by adding 70% of Direct attainment of Course outcome and 30% of Indirect attainment of Course outcome. For mapping, PO and PSO attainments are calculated by Direct (student performance) and indirect (surveys) COs attainment for mapping.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://ltce.in/NAAC-CRITERIA-2

2.6.3 - Pass percentage of Students during the year

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

454

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://ltce-exam.blogspot.com/

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 weblink)

https://docs.google.com/spreadsheets/d/1JqhFkiN8rey3P6q7YaTZ-DK7SXuqNpyLp0aug0_C5W0/edit?usp=sharing

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

27.5

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://edunetfoundation.org/ , https://ishrae.in/

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

92

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

14

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

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

41

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

LTCE organizes and participates in various extension activities to promote the Institute- Neighborhood- Community network. Major emphasis is given to student engagement, service orientation, and the holistic development of students. The neighborhood community has technically and economically weaker section and to alleviate this, the institute sensitize, educate, and aware that community in a holistic way.

The NSS Cell of our college organizes several programs like blood donation camps, education awareness, tree plantations, Swachata Abhiyan, plastic ban, health and hygiene camps, social awareness programs, etc.

Students also participate in various patriotic events with enthusiasm, be it the celebration of Independence Day, or Republic Day. Institute organizes regular activities on social & environmental issues including seminars, invited talks by social figures, orientation programs, celebration of Yoga Day, etc.

Impact on Community: Institute maintains excellent harmony with the local community. The generosity of our management reflects in terms of the social services extended to the community during Covid 19 pandemic. The impact is also reflected in terms of campus beautification, Youth empowerment, gender equity, health and education campaign, environmental enrichment and conservation.

File Description	Documents
Paste link for additional information	https://www.instagram.com/p/Cx8GfQDheVK/
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

19

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

23

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

1397

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

174

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The infrastructure is well equipped for classroom and laboratories. There are 178 rooms, 32 are reserved for classrooms and 69 for labs and the remaining are categorized for other facilities. The other facility rooms are for tutorial, medical, girls common room, reading, workshop, meeting room, department library and project room.

Departments have ICT based classrooms as per student strength and the number of labs as per AICTE norms. The classroom and labs size is as per an AICTE requirement. ICT facility includes LCD projector, screen and PA system and common WiFi facility.

The college has a common canteen facility. Institute has a green open ground of 1250 Sq. M area with dias suitable for cultural, sport, gymnasium etc. .The institute conducts cultural activities like Independence Day Celebration, Republic Day Celebration, Ganesh Festival, Navratri Celebration, Marathi and Hindi Bhasha Divas, Farewell to final year students and freshers welcome in ground, auditorium, and stilt area. There is a provision of Gymkhana (Gymnasium) for indoor games and few fitness equipment.

Institute has an indoor air-conditioned auditorium of 317 Sq.M area with a seating capacity of 350, and it is well equipped with ICT facilities.The auditorium is suitable for conducting indoor events.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-4

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

The institute has adequate facilities for a cultural, sport, gymnasium, and yoga center. Institute has a green open ground of 1250 Sq. M area. Every year, annual cultural and sports events Cultural Zephyr and Sports Zephyr are conducted on the ground with a different sports event. Students play various outdoor games on the ground in the evening. The institute has adequate reserved rooms and stilt areas for conducting different indoor activities and organizing yoga programs.

The institute conducts cultural activities like Independence Day Celebration, Republic Day Celebration, Ganesh Festival, Navratri Celebration, Marathi and Hindi Bhasha Divas, Farewell to final year students and freshers welcome in-ground, auditorium, and stilt area. There is a provision of Gymkhana.

Institute has an indoor air-conditioned auditorium of 317Sq.M area with a seating capacity of 350, and it is well equipped with ICT facilities. The auditorium is suitable for conducting indoor events. The placement talk, expert talk is arranged by every department regularly in the auditorium.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-4

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

28

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

28

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-4
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

15.09672

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The Institute library is well equipped with textbooks, a reference section, and e-resources digital and multimedia room. The library has spread across 653.68 Sq.M of the area and has a seating capacity of 200.

Library resources are upgraded regularly in terms of the number of titles and volumes as per the syllabus and on request from students and faculty members. The library functioning is automated through the library management software (ILMS) KOHA 3.22.05.000 version in 2012-13. There are a total of 34854 books, 72 Journals, IEEE/Springer/ Science direct e-Journals, 10000 e-books, and 800 multimedia resources, NPTEL lecture series CDs as on June 2022. The total library expenditure towards the purchase of the Books, Journals, e-Journals and e-books is Rs 38,79,922 in FY2017-18; Rs

15,68,226 in FY-2018-19;Rs 14,66,569 in FY 2019-20; Rs 20,61,585 in FY 2020-21and Rs 83,8990 in FY2021-22. The usage of e-resources and library resources is tracked through the Accession database. Library maintains a record of daily accession of library resources in a register. The average daily accession count for library resources is 65 till June 2022. Institute has a tie up with IIT Bombay Library for accessing their resources.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://ltce.in/NAAC-CRITERIA-4

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources B. Any 3 of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

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

9.05193

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

10788

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The IT facilities at institute includes provision of computers, internet connection and Wi-Fi services. There are 925 computers on the campus. Each department has separate computer labs and computers are provided as per the intake. The computer facility is upgraded as per the requirement from time to time. All computers are connected through LAN and Internet connection is provided.

The entire college campus is connected with Wi-Fi, and it is available round the clock throughout the year. The Wi-Fi facility is available to all the bonafide students of the college and the employees. Routers are installed on each floor and controlled by a central controller. The frequency of the router is 2.4 to 5 GHz. The connectivity to the Wi-Fi is password protected. The Wi-Fi password is provided by the system administrator. The institute internet facility is supported by three ISDN lines (1:1) like, Tata Telecom Services 300 MBPS, Vodafone Services 50 MBPS, and Airtel Services 30 MBPS. Through internet facility, students and employees can access all educational resources available on world wide web.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-4

4.3.2 - Number of Computers

894

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

115.78917

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	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 infrastructure in charge of the institute manages and monitors all the maintenance work of the institute.

A central library committee comprising of faculty members from all the departments addresses various issues and ensures smooth functioning of thlibrary.

A lab in charge is assigned to each laboratory for the complete functioning of the laboratory. Stock verification is done at the end of every academic year and record of missing and faulty equipment are maintained by Lab Assistants.

Computers, internet service and IT facilities are maintained by system administrator and IT facility maintenance in charge of the institute through an ERP system.

Maintenance of the classrooms and the building infrastructure are managed by the maintenance committee of the institute Cleanliness and hygiene are maintained in the classrooms, corridors and washrooms through the housekeeping staff.

The ground staff takes care of the maintenance of the lawn and playground. Sports faculty in charge monitors the sports facilities and maintenance of the equipment are done on regular basis.

Cleaning of the classrooms, laboratories, faculty cabins, washrooms, corridors and institute premises are done by the housekeeping staff. Electrical maintenance is carried out by the electrical maintenance in charge of the institute. .

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/naac-policy-document-for-academic

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1340

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

2

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills
Language and communication skills Life skills
(Yoga, physical fitness, health and hygiene)
ICT/computing skills**

A. All of the above

File Description	Documents
Link to institutional website	https://ltce.in
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

249

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

249

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization 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

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

218

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

19

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

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

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

31

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

4

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Student council is constituted each year by following a proper procedure and following the University guidelines. A committee consisting of the Director, Principal, Vice-Principal, Deans, Heads and previous student council member duly form a new council of students. Dr. Avinash Sarode, Dean of Student affairs monitors the entire process of student council formation. Interested students are interviewed by the committee and the members are selected based on their academics and managerial capabilities. The student council organizes diverse activities viz. sports, technical and cultural. These activities are organized at Inter-college, university and state level during the annual events of the institute.

Representation of students on academic & administrative bodies/committees of the institution. More than 100 student members, are actively participating in the CSI activities. Indian Society of Heating Refrigeration Engineer, Local Chapter was ormed in 2007 under the guidance of Dr. Kavita Dhanawade. Various student projects are funded by ISHRAE.

Each department has its own students association, namely, (ETSA, CESASCEE, MESA), DSSA, AIMS, CESA (IoT & CSBT) etc. It provides the students and faculty members a platform to showcase their talents through co-curricular and extra-curricular activities. In addition, NSS and Women Development cells are formed for student involvement in society needs

File Description	Documents
Paste link for additional information	https://ltce.in/activities_WDC
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

16

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

ALTEA [Association of Lokmanya Tilak College of Engg. Alumni (Reg No. - MAH/1032/08 Thane)] is established in the year 2008 for maintaining liaison with Alumni all over the world and to involve them with the development of the Institute. One faculty coordinator along with dept coordinators works for ALTEA cell. The foremost responsibilities Of The ALTEA:

- Create the list of the alumni of the respective department right from the first batch.
- Plan, implement and promote alumni programs that support the ALTEA strategic Plan
- Ensure accurate and complete alumni database records including their contact, biographical and career information
- Establish and build relationships with a wide range of alumni as well as local, regional, National and International alumni chapter
- Educate graduating students about alumni benefits and engage them in programs
- Partner with various offices of the Institute to

spearhead the introduction of alumni movement in the growth and continued leadership of the college. • Collaborate closely with Industries and enable increased support from alumni, and provide platforms and programs for such support

File Description	Documents
Paste link for additional information	https://ltce.in/activities_convocation
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision: To create technically competent and ethically responsible professionals capable of providing efficient solutions to the contemporary world. **Mission:** We aim to excel in our continual efforts, towards being one of the most recognized institutions, by:

Providing a conducive environment comprising high-end infrastructure and state-of-the-art laboratory facilities wherein the students, faculty and staff can collectively enhance their technical potential. Encouraging innovation through research activities for the benefit of society. Developing competent professionals responsive to change in technology. The institution follows a democratic mode of governance where different stakeholders participate and actively contribute in its administration to impart value based education which carry significant benefits to the society. The governing board includes recognized administrators, academicians and faculty delegates. The Governing Body delegates authority to the Principal who, thus conveys the obligations at various levels. The Heads of Departments, the Conveners of various committees and the concerned coordinators or in-charges play significant roles in framing the institutional policies and deploying the same. Institute keeps a balance between compliance

with regulatory matters and keeping a track of continuous progress. Along with this, we look forward to long term sustainability by forming a strategic direction towards attaining excellence.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

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

- The institute practices decentralization in all academic and administrative activities. It has various academic and administrative committees to monitor, plan and execute smooth functioning. Administrative Decentralization: Board of Governance consists of Management Representatives, Industry Experts, Eminent Educationists, Principal and other Faculty members, who hold the responsibility of planning and strategy development, institutional budget, holistic growth of the institute and other miscellaneous activities. The Principal directs departmental heads to set up the yearly departmental budget. The HoD, in consent with faculty members of the department, submits the requirements, depending upon the need of curriculum and industry trends. The Principal forwards the consolidated report to the management for approval. The institute receives the sanctioned budget from management. Academic Decentralization: There are different committees with well-defined functions. A committee of administrative members and faculty members work for the holistic development of the Institute. Its responsibilities are:
 - Prepare the Academic Calendar before the start of the semester.
 - Monitor the academic work of the institution.
 - Keep a track of the Syllabus coverage.
 - To monitor records of academic activities.
 - To make arrangements for the conduct of University Examinations.
 - To take active measures for research and training progress.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Plan: Ensuring Effective Governance

- To review the smooth running of the administrative activities of the college, discussing approval of new programs.
- To review the examination results (Internal as well as External) of all programs; result analysis and their improvement strategies.
- To approve the up gradation & maintenance of the Infrastructure of the Institute.
- To review the budget allocated for different purposes and their expenditure etc.
- Promotion of various faculty career advancement programs Approval for posts, Study leaves etc.
- To review the Placement activities, Collaborations with Industry and R&D programs.
- Reviewing the Performance appraisal of faculty backed with the discussions and suggestions given by Faculty for improvements in the college.
- To provide support for conducting Cocurricular and Extracurricular activities.
- To review the awards and scholarships for students
- Evaluation of Institute's performance and benchmarking Institutional strategic goals setting
- Institutional Strategic Planning
- Establishing E-Governance
- Leadership development through decentralization
- Establishing internal audit committee

Deployment: The plans articulated by the management and principal are communicated to the target groups like faculty, students, staff and other stakeholders through meetings, mails and other forms of communication. The organizational procedure manual guides all the activities through well-defined policies and procedures for each of the activities.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	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.

Administrative Setup is according to following hierarchy:

As per the university/ government guidelines, IQAC Cell, Antiragging Cell etc. are also active in the institution. Apart from these, there are various committees functioning to provide support to the academic and administrative cells. Service Rules: Our Institute follows the service rules according to the UGC and AICTE norms. Recruitment process is carried out according to the norms of the University, a body composed of university representative, management representative, Principal, external subject experts interview the candidates by his/her performance in the interview. The teaching and non-teaching staff have the benefits of PF, Insurance and other benefits as applicable. Grievance redressal committee is functioning which comprises Principal, HODs' and teacher's representative, eventually handling various issues of faculty, staff and students. Suggestion/complaint box is kept near the Principal office/Admin office for the same. The website has a link to collect the grievances in online mode. Also, we follow a student mentor scheme, through which the students can communicate the matters through proper channels. The Institute has formed all the required committees like Anti Ragging Committee, Internal Complaint Committee to aid all the stakeholders.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Link to Organogram of the Institution webpage	https://ltce.in/Mandatory_Disclosure
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

List of Welfare measures for Teaching Staff:

- Service Rules are provided as per the norms.
- EPF Scheme is provided for all eligible members as per the norms.
- Maternity leave is provided as per the rules.
- Time relaxation after the Maternity leave.
- Periodic health checkups during medical camps.
- Professional and other skill development trainings are imparted.
- Library facility, canteen facility is available.

List of Welfare measures for Nonteaching staff:

- Service Rules are provided as per the norms.
- EPF Scheme is provided for all eligible members as per the norms.
- Maternity, Medical and Earned leaves provided as applicable for eligible members
- Non Teaching staff is involved during conduction of competitive exams at College campus.
- Periodic health checkups during medical camps.
- Professional and other skill development training are imparted.
- Library facility, canteen facility is available.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

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

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

00

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

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

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

4

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - 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 etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

54

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Institute carries out the Performance assessment of teaching and nonteaching staff regularly. The feedback from the students is also taken for assessing the performance. Apart from this, some additional factors are considered while designing the appraisal system of the faculty members. Appraisal system is based on following parameters: 1. Patents 2. Copyrights 3. Published research work in reputed journal 4. Published research work in reputed conference (A/B Grade) 5. Book Published 6. Book Chapter Published 7. Grant Received 8. Session delivered as resource person for STTP/FDP 9. Organized Conference /STTP/FDP as convenor or coordinator 10. Any special/unique contribution done to improve college admission or image building of institute.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various

internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute has appointed an external auditor who is a professional C.A. The agency does an annual audit of all our financial transactions and submits balance sheets and other statements. The agency gives following statements annually 1) Establishment expenses as on 31st March 2) Miscellaneous expenditures as on 31st March 3) Other miscellaneous receipts as on 31st MARCH 4) Advance to staff as on 31st March 5) Schedule of fixed assets as on 31st March 6) Schedule of lab equipment as on 31st March 7) Income and expenditure account for the year ending 31st March 8) Balance sheet as on 31st March. 9) Statement of significant accounting policies as on 31st MARCH, the institute also does internal audits during the last week of march every year. The accounts department staff and admin staff does the inventory and checks cash availability as on 31st March. The audit conducted by CA is in accordance with auditing standards of India. Audit includes the examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. It also includes assessing the accounting principals used and significant estimates made by the management, as well as evaluating the overall financial statement presentation.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

1.75

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Our institute is a self-financing private institute affiliated to University of Mumbai. It has a distinct financial policy, for utilizing the funds optimally, for academic, administrative and research activities. The institute has self sufficient funds generated from admission fees and other miscellaneous incomes. In case of emergencies, the management supports by providing the finance. In the activities like infrastructure upgrade or maintenance, the management always extends necessary support. Financial planning is done at the beginning of the academic year well in advance with efficient budgeting involving all the Heads of Academic Departments and Administrative Sections. Apart from the admission fee, the minor resource mobilization is done through • Research Grants • Sponsorship Grants from University for different activities • Consultancy The management reviews all the financial activities through scrutiny of budgets and expenses in every quarter. Through centralized purchase, the funds are monitored and utilized in an effective manner.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	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

Strategies: IQAC shall evolve mechanisms and procedures for:

- To develop timely, efficient and progressive performance of academic and administrative.

- To develop significance and quality of academic and research programmes
- Equitable access to and affordability of academic programmes for various sections of society.
- To incorporate modern methods of teaching and learning.
- To setup credibility of evaluation procedures
- To develop the adequacy, maintenance and functioning of the support structure and services.
- To regularly monitor & support Research Facilities and networking with other institutions in India and abroad.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The two examples of practices institutionalized as a result of IQAC initiatives are as follows: The IQAC lead efforts to the successful implementation of modern technolgin the Institute's administrative functioning through ICT and automation of admission and examination processes, upgradation of Wifi and LAN facilities, have significantly contributed to an enhanced quality of teaching-learning experience.

The institute organized first international conference during the year. An industry sponsored lab was created, Center of Excellence supported by the Code unnati program jointly by SAP Edunet. The Institute IQAC led alternative sources of energy using solar plant, especially for enhancement of solar power.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC);

B. Any 3 of the above

Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

File Description	Documents
Paste web link of Annual reports of Institution	https://ltce.in/activities_WDC
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	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

"Freedom cannot be achieved unless women have been emancipated from all kinds of oppression." – Nelson Mandela.

To promote gender equity, our institution established Women Development Cell with the motto of "Helping women discover their wings". The cell aims to empower girl students and faculty to enhance their understanding of issues related to women and to make the college campus a safe place for girls and women and to address the practical issues related to the welfare and equal opportunities for women faculty and students All the students were encouraged to participate in various Technical Workshops, Seminars and Smart India Hackathon without any gender discrimination.

File Description	Documents
Annual gender sensitization action plan	https://ltce.in/activities_WDC
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://ltce.in/activities_WDC

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	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

Solid Waste Management

The institution is highly concerned about the solid waste generated in day-to-day activities both degradable and non-degradable. They have separate bins for degradable and non-degradable items in the cabins/rooms. Wastes from various rooms shall be collected in the waste segregation center near canteen.

In addition, dry waste includes dry leaves, paper, plastic, cardboard glass, tin cans etc. and the wet waste refers mainly food waste generated in canteen and students/teacher's tiffin waste.

Liquid Waste Management

Liquid wastage generated from canteen and toilets is letting out to sewage treatment plant (STP), of NMMC drainage lines.

E-Waste Management

Electronic waste generated from computer laboratories, electronic labs, physics labs, academic and administrative offices are separated as E-waste that includes outdated equipment of obsolete items like lab instruments, circuits, desktops, laptops, printers, charging and network cables, Wi-Fi devices, cartridges, sound systems, UPS, biometric machine, scientific instruments etc. The segregated waste can be sold the MoU signed agency for recycling.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	https://ltce.in/NAAC-CRITERIA-7
Any other relevant information	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 **B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **C. Any 2 of the above**

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and energy initiatives 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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	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 socioeconomic and other diversities (within 200 words).

The students and staff of this institute are from different cultural background and from different states. The institution believes that "Line of control should be a garden, a place of art and cultural festival." and a very effective approach to maintain tolerance and harmony even though they belong to different communities and with different culture by organizing the events which bring the harmony and integrity among the students. The students actively participate in various extracurricular activities.

Institute has various language clubs for the students. Various completions on regional languages are conducted.

Faculty members are assigned as mentors, who are providing support to students in all aspects including guidance to apply for scholarship from Government / Non- Government organization.. The institute strives for uplifting the students and their families socially and economically.

The college takes pride in the fact that apart from preparing sound academic foundation of student community; the college constantly works upon to develop them as better citizens of the country. The college has strived forward with great effort to increase the level of awareness and appropriate practices amongst the students with regard to celebrating Engineers Day, Teachers Day, Independence Day, Republic Day etc.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

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

LTCE sensitizes the students and employees in respect of values, rights, duties and responsibilities of citizens by organizing various programmes.

Faculty members and students take pledge to preserve unity, integrity and security of the Nation.

The college takes pride in the fact that apart from preparing sound academic foundation of student community; the college constantly works upon to develop them as better citizens of the country. Blood donation drive - On LTJSS founders day, is conducted every year on 10th October. NSS unit of LokmanyaTilak College of Engineering organizes Residential Camp in Village every year. National anthem is displayed in the institute.

Fundamental Duties and Rights of Indian Citizens: The College has organized various academic and co-curricular activities for the propagation of the Fundamental Duties and Rights of the Indian citizens.

Constitutional Obligations: The students have participated in various activities. All these have been organized to promote the awareness about various constitutional and legal obligations. Further, apart from the above mentioned activities, the college has also organized student centric activities like Paper-Poster Making and Essay competition, which have always received huge participation from the students and promoted their awareness about various aspects of Indian citizenship.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

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 4. **Annual awareness programmes on Code of Conduct are organized**

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

The college believes in celebrating commemorative days, events, and festivals in college. It is an integral part of learning and building a strong cultural belief in a student. The College makes tremendous efforts in celebrating the national and international days, events, and festivals throughout the year. Institution celebrates/ organizes national and international commemorative days, events, and festivals. National festivals play an important role in planting seed of Nationalism and Patriotism among people of India. Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate these

occasions and spread the message of Unity, Peace, Love and Happiness throughout. The institution celebrates every year Republic day, Independence Day, Gandhi Jayanti, International Yoga day , Women's day celebrations, Engineers Day, Lokmanya Tilak Jayanti, Teachers day, Chhatrapati Shivaji Jayanthi etc.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

BEST PRACTICE- I

1. Title of the Practice: Student support systems for holistic development for improving Employability of Engineering professionalism.

2. Objectives of the Practice

The heart of holistic education should address the various dimensions of the personality of the whole person, i.e., physical, emotional, intellectual and spiritual personalities and in a nut shell KNOWLEDGE-SKILL- BEHAVIOR "The basic mantra of OBE". Transformation is a movement that is primarily from being to becoming. Holistic education values and encourages learning both inside and outside the classroom, enables the development of confident, well-rounded graduates who are prepared to serve as the next generation of creative thinkers and leaders

One key aspect of a holistic approach is providing many opportunities for interaction of engineering students with faculty, professional societies, Industries and field of work.

BEST PRACTICE- II

1. Title of the Practice: LTCE Green Initiative

2. Objectives of the Practice

Based on the approach LTCE has significant Green Initiatives to

- Promote sustainability by creating awareness
- Share knowledge & expertise-Expert talks about environmental problem sand possible solutions
- Deploy eco-friendly technologies for greening and cleaning our campuses

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Lokmanya Tilak College of Engineering, Navi Mumbai provides UG, PG and PhD education and research opportunities in new frontiers of Engineering and Technology with special focus towards Leadership and Innovation. The focus of the Institution is to empower students with sound technical knowledge and skills to make them creators and fit for highly competitive global industrial market. We have well-equipped labs, workshops and libraries to help the students in attaining the highest standards in academics, research and professional skills. We believe in providing a supportive environment to our students according to their interests. The societies like IEEE, CSI, ISTE and ISHRAE work as strong platforms for the enhancement of their skills. The infrastructure facilities combined with a group of competent and dedicated faculty members contribute to the outcome based teaching learning process.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The institute is affiliated to University of Mumbai and follows the curriculum prescribed by the university. University of Mumbai provides the timeline for the entire academic session. Before the start of every academic session, Principal along with Vice-Principal conducts an IAC meeting with Heads of all the Departments and finalizes the Academic Calendar in alignment with the university schedule. Academic calendar is then uploaded on the institute website. Subjects are allocated to the faculty members based on their subject expertise and interests well in advance. Time table for every semester is prepared by the respective Timetable coordinators of various departments in consultation with the HoDs and the load distribution is informed to the Principal. Teaching plan and the assignments for the semester are prepared by the respective subject in charge before the start of the new semester. Depending on the evaluation scheme as per the university guidelines, two class tests for 40% and 80% syllabus are conducted per semester taking into consideration the COs defined for each course to evaluate the students. The internal assessment dates, the result declaration dates and the tentative dates for End semester examination for first year and higher semester students are mentioned in the academic calendar and every department adheres to the dates mentioned in the academic calendar.

An IAC meeting is conducted at the end of the semester to conclude the academic session.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://ltce.in/NAAC-CRITERIA-1

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

University of Mumbai provides the timeline for the entire

academic session. Before the start of every academic session, Principal along with Vice- Principal conducts an IAC meeting with Heads of all the Departments and finalizes the Academic Calendar in alignment with the university schedule. Academic calendar is then uploaded on the institute website. Depending on the University evaluation scheme, two class tests for 40% and 80% syllabus are conducted per semester taking into consideration the COs defined for each course to evaluate the students in internal assessment. The internal assessment dates, the result declaration dates and the tentative dates for End semester examination for first year and higher semester students are mentioned in the academic calendar and every department adheres to the dates mentioned in the academic calendar.. Every department ensures that the journal submission and the conduction of oral examination are as per the dates mentioned in the academic calendar. The tentative dates for starting of the new academic session is also mentioned in the academic calendar. Due to the pandemic situation, the Even semester academoc activities were disturbed and semester activities got delayed from the planned dates.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://ltce.in/NAAC-CRITERIA-1

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

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

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

7

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

3

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

178

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

178	
File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The institute follows the curriculum of University of Mumbai. Several courses like Professional ethics and CSR, Environmental Management, Disaster Management and Mitigation Measures, Energy Audit and Management, Human Resource Management are included into the curriculum which integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. In addition to this, various activities are organized by the institute to bring awareness to the students. The women development cell of the institute organizes various programs for the empowerment of girl students. NSS unit of the institute arranges various social activities which integrate human values, ethics and social responsibility. Students are also encouraged to do projects on environmental sustainability.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

36

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File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1559

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://docs.google.com/spreadsheets/d/1JqhFkiN8rey3P6q7YaTZ-DK7SXuqNpyLpOaug0_C5W0/edit?usp=sharing

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

567

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

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

413

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

On the basis of internal assessment, university exam results and performance during lectures, advanced learners and slow learners are identified. Advanced learners are motivated to participate in various technical activities and workshops. They are encouraged to be part of various students associations and competitions. They are encouraged to do online courses like NPTEL sessions on advanced topics. In addition to this, they are motivated to participate in competitions like SAE, BAJA, Avishkar Project competition, Conferences etc. For slow learners, remedial lectures are arranged from time to time to improve their performance. Special attention is given to such students by the faculty mentors. . Proper guidance and counselling is given to slow learners to build up their confidence level.. Bridge courses are arranged for mathematics for directsecond year students to improve their mathematical skills.

File Description	Documents
Link for additional Information	https://ltce.in/activities Tantragan, https://ltce.in/ISTE-Students-Chapter , https://ltce.in/assets/Report_SAE.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2030	105

File Description	Documents
Any additional information	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

LTCE believes in student centric methods and all the activities are arranged according to the benefit of the students. In addition to the traditional teaching methods, various experiential learning methods like, mini projects, practical, field work, internships, project competitions, paper presentations, industrial visits, value added courses etc are also included in the teaching learning process. Guest lectures and webinars are organized from time to time on various topics which enhances students learning capability and skills. Every department has student associations which helps the students in participative learning, team work and overall personality development. In addition to this various programs are arranged by the students chapters of the institute. To develop problem solving skills students are given assignments, quizzes, mini projects, presentations etc.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://ltce.in/Centre-of-Excellence , https://ltce.in/activities_ASHRAE_Report , https://ltce.in/assets/Google-Cloud-Career-Readiness-Program.pdf , https://ltce.in/activities_s_WDC , https://ltce.in/assets/Report_SAE.pdf , https://ltce.in/activities_Glimpses-ICRMIR-23

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

For effective teaching learning process, teachers at LTCE use ICT tools to introduce modern teaching methods thereby improving the quality of education. Google classrooms were easily adopted by all the faculty members during the pandemic situation to impart teaching learning process. Virtual labs are used to conduct practical sessions by adopting modern technology. Effective delivery of the curriculum was done through various online tools and PPTs. Online quizzes are regularly conducted. For subjects involving mathematical analysis various online tools like white board are used for effective curriculum delivery. In addition to this students are also motivated to register for various online

courses like NPTEL, Swayam etc. Online workshops and webinars are also conducted for the benefit of the students. Google classrooms are used for regular assessment of the students by means of quizzes and assignments. Google forms and google meet are used to conduct online examinations. Results are also declared online and uploaded in the examination blogspots regularly. WiFi is enabled in the whole campus to provide internet access to various online resources like NPTEL lectures, YouTube etc.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://ltce.in/facilities

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

100

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

105

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

37

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1328

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The institute has a college level Exam committee and a department level internal exam committee. The exam committee works under the supervision of the Head of the institute. Every department has an internal exam committee responsible for the preparation of Timetable, setting of the question paper, declaration of the results of internal tests. After evaluation of internal tests, the answer sheets are shown to the students for any grievances. The grievances of the students are considered and looked into at the department level. The average of the two internal tests are considered for the internal assessment marks. The main reforms initiated by the exam cell committee is the timely declaration of the results and the moderation of the question papers. For the continuous evaluation process, internal tests, assignments, quiz, presentations, lab work, seminars etc are taken into consideration. Term work marks are given to the student depending on the continuous performance in the internal assessment. The rubrics for each practical and tutorial are based on the parameters: performance, lab-ethics, self-learning initiative, conceptual understanding, punctuality and attendance.

File Description	Documents
Any additional information	View File
Link for additional information	https://ltce-exam-notice.blogspot.com/

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

At the start of the academic session, orientation programs were arranged for the students to understand the whole academic process and evaluation methods. Examinations are conducted as per the dates mentioned in the Academic calendar. Prior to examinations, information regarding marking scheme is given to the students. The evaluation of internal tests are completed within 5 days of the exam conduction date by the subject in charge. After evaluation of internal tests, the answer sheets are shown to the students for any grievances. The grievances of the students are considered and looked into at the department level. For University examination, if the students are not satisfied with their marks, they can apply for photocopy or reevaluation of answer sheets by paying the prescribed fees , provided they should apply within a stipulated time given by the University. . The grievances related to results, correction in marksheets and other exam related issues are handled by the Exam cell of the institute.

File Description	Documents
Any additional information	View File
Link for additional information	https://ltce.in/abt_committee , https://ltce.in/abt_committee

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The institute as well as the University follows an outcome based education policy. The Program Outcomes (POs) and the Course Outcomes (Cos) are stated by the respective programmes and it is published in the college website. COs are defined for all the courses in the University prescribed curriculum. The subject incharges defines the COs in accordance with the COs mentioned in the syllabus. In addition this, the information about POs & COs are given to the students at the start of the semester during orientation program and during lectures of each course. The COs and POs are mentioned in Assignments, quizzes, question papers, labj ournals etc. to make students aware about the importance of outcome based education.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://ltce.in/com_dep_about , https://ltce.in/mechanical , https://ltce.in/electrical_engg_about , https://ltce.in/etc_engg_about , https://ltce.in/cse-iot-cyber-Introduction
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The course outcomes for each course are defined according to the respective course syllabus. Course outcomes are mapped with Program Outcomes and Program Specific Outcomes with correlation levels as 1: Slight, 2: Moderate, 3: Substantial. Course outcome attainment is calculated by measuring COs attained through University Examinations and by measuring COs attained through

Internal Assessment by defining the target value for a program. Direct attainment of COs are calculated by 50% of ESE and 50% of IA. Indirect attainment of COs are calculated through Course Exit Survey. Overall CO attainment is calculated by adding 70% of Direct attainment of Course outcome and 30% of Indirect attainment of Course outcome. For mapping, PO and PSO attainments are calculated by Direct (student performance) and indirect (surveys) COs attainment for mapping.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://ltce.in/NAAC-CRITERIA-2

2.6.3 - Pass percentage of Students during the year

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

454

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://ltce-exam.blogspot.com/

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 weblink)

https://docs.google.com/spreadsheets/d/1JqhFkiN8rey3P6q7YaTZ-DK7SXuqNpyLpOaug0_C5W0/edit?usp=sharing

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

27.5

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://edunetfoundation.org/ https://ishrae.in/

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

92

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

14

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

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

41

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

LTCE organizes and participates in various extension activities to promote the Institute- Neighbor hood- Community network. Major

emphasis is given to student engagement, service orientation, and the holistic development of students. The neighborhood community has technically and economically weaker section and to alleviate this, the institute sensitizes, educates, and awakens that community in a holistic way.

The NSS Cell of our college organizes several programs like blood donation camps, education awareness, tree plantations, Swachata Abhiyan, plastic ban, health and hygiene camps, social awareness programs, etc.

Students also participate in various patriotic events with enthusiasm, be it the celebration of Independence Day, or Republic Day. Institute organizes regular activities on social & environmental issues including seminars, invited talks by social figures, orientation programs, celebration of Yoga Day, etc.

Impact on Community: Institute maintains excellent harmony with the local community. The generosity of our management reflects in terms of the social services extended to the community during Covid 19 pandemic. The impact is also reflected in terms of campus beautification, Youth empowerment, gender equity, health and education campaign, environmental enrichment and conservation.

File Description	Documents
Paste link for additional information	https://www.instagram.com/p/Cx8GfQDheVK/
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

19

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

23

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

1397

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

174

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

9

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The infrastructure is well equipped for classroom and laboratories. There are 178 rooms, 32 are reserved for classrooms and 69 for labs and the remaining are categorized for other facilities. The other facility rooms are for tutorial, medical, girls common room, reading, workshop, meeting room, department library and project room.

Departments have ICT based classrooms as per student strength and the number of labs as per AICTE norms. The classroom and labs size is as per an AICTE requirement. ICT facility includes LCD projector, screen and PA system and common WiFi facility.

The college has a common canteen facility. Institute has a green open ground of 1250 Sq. M area with dias suitable for cultural, sport, gymnasium etc. .The institute conducts cultural activities like Independence Day Celebration, Republic Day Celebration, Ganesh Festival, Navratri Celebration, Marathi and Hindi Bhasha Divas, Farewell to final year students and freshers welcome in ground, auditorium, and stilt area. There is a provision of Gymkhana (Gymnasium) for indoor games and few fitness equipment.

Institute has an indoor air-conditioned auditorium of 317 Sq.M area with a seating capacity of 350, and it is well equipped with ICT facilities.The auditorium is suitable for conducting indoor events.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-4

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

The institute has adequate facilities for a cultural, sport,gymnasium, and yoga center. Institute has a green open ground of 1250 Sq. M area. Every year, annual cultural and sports events Cultural Zephyr and Sports Zephyr are conducted on the ground with a different sports event. Students play various outdoor games on the ground in the evening. The institute has adequate reserved rooms and stilt areas for conducting different indoor activities and organizing yoga programs.

The institute conducts cultural activities like Independence Day Celebration, Republic Day Celebration, Ganesh Festival, Navratri Celebration, Marathi and Hindi Bhasha Divas, Farewell to final year students and freshers welcome in-ground, auditorium, and stilt area. There is a provision of Gymkhana.

Institute has an indoor air-conditioned auditorium of 317Sq.M area with a seating capacity of 350, and it is well equipped with

ICT facilities. The auditorium is suitable for conducting indoor events. The placement talk, expert talk is arranged by every department regularly in the auditorium.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-4

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

28

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

28

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-4
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

15.09672

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The Institute library is well equipped with textbooks, a reference section, and e-resources digital and multimedia room. The library has spread across 653.68 Sq.M of the area and has a seating capacity of 200.

Library resources are upgraded regularly in terms of the number of titles and volumes as per the syllabus and on request from students and faculty members. The library functioning is automated through the library management software (ILMS) KOHA 3.22.05.000 version in 2012-13. There are a total of 34854 books, 72 Journals, IEEE/Springer/ Science direct e-Journals, 10000 e-books, and 800 multimedia resources, NPTEL lecture series CDs as on June 2022. The total library expenditure towards the purchase of the Books, Journals, e-Journals and e-books is Rs 38,79,922 in FY2017-18; Rs 15,68,226 in FY-2018-19; Rs 14,66,569 in FY 2019-20; Rs 20,61,585 in FY 2020-21 and Rs 83,8990 in FY2021-22. The usage of e-resources and library resources is tracked through the Accession database. Library maintains a record of daily accession of library resources in a register. The average daily accession count for library resources is 65 till June 2022. Institute has a tie up with IIT Bombay Library for accessing their resources.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://ltce.in/NAAC-CRITERIA-4

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

B. Any 3 of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

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

9.05193

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

10788

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The IT facilities at institute includes provision of computers, internet connetion and Wi-Fi services. There are 925 computers on the campus. Each department has separate computer labs and computers are provided as per the intake. The computer facility is upgraded as per the requirement from time to time.All computers are connected through LAN and Internetconnection is provided.

The entire college campus is connected with Wi-Fi, and it is available round the clock throughout the year. The Wi-Fi facility is available to all the bonafide students of the college and the employees. Routers are installed on each floor and controlled by a centralcontroller. The frequency of the router is 2.4 to 5 GHz. The connectivity to the Wi-Fi is password protected. The Wi-Fi

password is provided by the system administrator. The institute internet facility is supported by three ISDN lines (1:1) like, Tata Telecom Services 300 MBPS, Vodafone Services 50 MBPS, and Airtel Services 30 MBPS. Through internet facility, students and employees can access all educational resources available on world wide web.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-4

4.3.2 - Number of Computers

894

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

115.78917

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	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 infrastructure in charge of the institute manages and monitors all the maintenance work of the institute.

A central library committee comprising of faculty members from all the departments addresses various issues and ensures smooth functioning of thlibrary.

A lab in charge is assigned to each laboratory for the complete functioning of the laboratory. Stock verification is done at the end of every academic year and record of missing and faulty equipment are maintained by Lab Assistants.

Computers, internet service and IT facilities are maintained by system administrator and IT facility maintenance in charge of the institute through an ERP system.

Maintenance of the classrooms and the building infrastructure are managed by the maintenance committee of the institute Cleanliness and hygiene are maintained in the classrooms, corridors and washrooms through the housekeeping staff.

The ground staff takes care of the maintenance of the lawn and playground. Sports faculty in charge monitors the sports facilities and maintenance of the equipment are done on regular basis.

Cleaning of the classrooms, laboratories, faculty cabins, washrooms, corridors and institute premises are done by the housekeeping staff. Electrical maintenance is carried out by the electrical maintenance in charge of the institute. .

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ltce.in/naac-policy-document-for-academic

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1340

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

2

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
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File Description	Documents
Link to institutional website	https://ltce.in
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year
249

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year
249

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student	A. All of the above
--	----------------------------

grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization 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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

218

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

19

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

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

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

31

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

4

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Student council is constituted each year by following a proper procedure and following the University guidelines. A committee consisting of the Director, Principal, Vice-Principal, Deans, Heads and previous student council member duly form a new council of students. Dr. Avinash Sarode, Dean of Student affairs monitors the entire process of student council formation. Interested students are interviewed by the committee and the members are selected based on their academics and managerial capabilities. The student council organizes diverse activities viz. sports, technical and cultural. These activities are organized at Inter-college, university and state level during the annual events of the institute. Representation of students on academic & administrative bodies/committees of the institution. More than 100 student members, are actively participating in the CSI activities. Indian Society of Heating Refrigeration Engineer, Local Chapter was ormed in 2007 under the guidance of Dr. Kavita Dhanawade. Various student projects are funded by ISHRAE.

Each deparatment has its own students association, namely, ETSA, CESASCEE, MESA), DSSA, AIMS, CSESA(IoT & CSBT) etc. It provides the students and faculty members a platform to showcase their talents through co-curricular and extra-curricular activities. In addition, NSS and Women Development cells are formed for student involvement. in society needs

File Description	Documents
Paste link for additional information	https://ltce.in/activities_WDC
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

16

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

ALTEA [Association of Lokmanya Tilak College of Engg. Alumni (Reg No. - MAH/1032/08 Thane)] is established in the year 2008 for maintaining liaison with Alumni all over the world and to involve them with the development of the Institute. One faculty coordinator along with dept coordinators works for ALTEA cell. The foremost responsibilities Of The ALTEA: • Create the list of the alumni of the respective department right from the first batch. • Plan, implement and promote alumni programs that support the ALTEA strategic Plan • Ensure accurate and complete alumni database records including their contact, biographical and career information • Establish and build relationships with a wide range of alumni as well as local, regional, National and International alumni chapter • Educate graduating students about alumni benefits and engage them in programs • Partner with various offices of the Institute to spearhead the introduction of alumni movement in the growth and continued leadership of the college. • Collaborate closely with Industries and enable increased support from alumni, and provide platforms and programs for such support

File Description	Documents
Paste link for additional information	https://ltce.in/activities_convocation
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision: To create technically competent and ethically responsible professionals capable of providing efficient solutions to the contemporary world. **Mission:** We aim to excel in our continual efforts, towards being one of the most recognized institutions, by:

Providing a conducive environment comprising high-end infrastructure and state-of-the-art laboratory facilities wherein the students, faculty and staff can collectively enhance their technical potential. Encouraging innovation through research activities for the benefit of society. Developing competent professionals responsive to change in technology. The institution follows a democratic mode of governance where different stakeholders participate and actively contribute in its administration to impart value based education which carry significant benefits to the society. The governing board includes recognized administrators, academicians and faculty delegates. The Governing Body delegates authority to the Principal who, thus conveys the obligations at various levels. The Heads of Departments, the Conveners of various committees and the concerned coordinators or in-charges play significant roles in framing the institutional policies and deploying the same. Institute keeps a balance between compliance with regulatory matters and keeping a track of continuous progress. Along with this, we look forward to long term sustainability by forming a strategic direction towards attaining excellence.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization

and participative management.

- The institute practices decentralization in all academic and administrative activities. It has various academic and administrative committees to monitor, plan and execute smooth functioning. Administrative Decentralization: Board of Governance consists of Management Representatives, Industry Experts, Eminent Educationists, Principal and other Faculty members, who hold the responsibility of planning and strategy development, institutional budget, holistic growth of the institute and other miscellaneous activities. The Principal directs departmental heads to set up the yearly departmental budget. The HoD, in consent with faculty members of the department, submits the requirements, depending upon the need of curriculum and industry trends. The Principal forwards the consolidated report to the management for approval. The institute receives the sanctioned budget from management. Academic Decentralization: There are different committees with well-defined functions. A committee of administrative members and faculty members work for the holistic development of the Institute. Its responsibilities are:
 - Prepare the Academic Calendar before the start of the semester. •
 - Monitor the academic work of the institution.
 - Keep a track of the Syllabus coverage.
 - To monitor records of academic activities.
 - To make arrangements for the conduct of University Examinations.
 - To take active measures for research and training progress.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Plan: Ensuring Effective Governance

- To review the smooth running of the administrative activities of the college, discussing approval of new programs.
- To review the examination results (Internal as well as External) of all programs; result analysis and their improvement strategies.
- To approve the up

gradation & maintenance of the Infrastructure of the Institute. • To review the budget allocated for different purposes and their expenditure etc. • Promotion of various faculty career advancement programs Approval for posts, Study leaves etc. • To review the Placement activities, Collaborations with Industry and R&D programs. • Reviewing the Performance appraisal of faculty backed with the discussions and suggestions given by Faculty for improvements in the college. • To provide support for conducting Cocurricular and Extracurricular activities. • To review the awards and scholarships for students • Evaluation of Institute's performance and benchmarking Institutional strategic goals setting • Institutional Strategic Planning • Establishing E-Governance • Leadership development through decentralization • Establishing internal audit committee Deployment: The plans articulated by the management and principal are communicated to the target groups like faculty, students, staff and other stakeholders through meetings, mails and other forms of communication. The organizational procedure manual guides all the activities through well-defined policies and procedures for each of the activities.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	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.

Administrative Setup is according to following hierarchy:

As per the university/ government guidelines, IQAC Cell, Antiragging Cell etc. are also active in the institution. Apart from these, there are various committees functioning to provide support to the academic and administrative cells. Service Rules: Our Institute follows the service rules according to the UGC and AICTE norms. Recruitment process is carried out according to the norms of the University, a body composed of university representative, management representative, Principal, externalsubject experts interview the candidates by his/her performance in the interview. The teaching and non-teaching staff have the benefits of PF, Insurance and other benefits as applicable. Grievance redressal committee is functioning which

comprises Principal, HODs' and teacher's representative, eventually handling various issues of faculty, staff and students. Suggestion/complaint box is kept near the Principal office/Admin office for the same. The website has a link to collect the grievances in online mode. Also, we follow a student mentor scheme, through which the students can communicate the matters through proper channels. The Institute has formed all the required committees like Anti Ragging Committee, Internal Complaint Committee to aid all the stakeholders.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Link to Organogram of the Institution webpage	https://ltce.in/Mandatory_Disclosure
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

List of Welfare measures for Teaching Staff:

- Service Rules are provided as per the norms.
- EPF Scheme is provided for all eligible members as per the norms.
- Maternity leave is provided as per the rules.

- Time relaxation after the Maternity leave.
- Periodic health checkups during medical camps.
- Professional and other skill development trainings are imparted.
- Library facility, canteen facility is available.

List of Welfare measures for Nonteaching staff:

- Service Rules are provided as per the norms.
- EPF Scheme is provided for all eligible members as per the norms.
- Maternity, Medical and Earned leaves provided as applicable for eligible members
- Non Teaching staff is involved during conduction of competitive exams at College campus.
- Periodic health checkups during medical camps.
- Professional and other skill development training are imparted.
- Library facility, canteen facility is available.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

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

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

00

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

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

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

4

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - 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 etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

54

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Institute carries out the Performance assessment of teaching and nonteaching staff regularly. The feedback from the students is also taken for assessing the performance. Apart from this, some additional factors are considered while designing the appraisal system of the faculty members. Appraisal system is based on following parameters: 1. Patents 2. Copyrights 3. Published research work in reputed journal 4. Published research work in reputed conference (A/B Grade) 5. Book Published 6. Book Chapter Published 7. Grant Received 8. Session delivered as resource person for STTP/FDP 9. Organized Conference /STTP/FDP as convenor or coordinator 10. Any special/unique contribution done to improve college admission or image building of institute.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The institute has appointed an external auditor who is a professional C.A. The agency does an annual audit of all our financial transactions and submits balance sheets and other statements. The agency gives following statements annually 1) Establishment expenses as on 31st March 2) Miscellaneous expenditures as on 31st March 3) Other miscellaneous receipts as on 31st MARCH 4) Advance to staff as on 31st March 5) Schedule of fixed assets as on 31st March 6) Schedule of lab equipment as on 31st March 7) Income and expenditure account for the year ending 31st March 8) Balance sheet as on 31st March. 9) Statement of significant accounting policies as on 31st MARCH, the institute also does internal audits during the last week of march every year. The accounts department staff and admin staff does the inventory and checks cash availability as on 31st March. The audit conducted by CA is in accordance with auditing standards of India. Audit includes the examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. It also includes assessing the accounting principals used and significant estimates made by the management, as well as evaluating the overall financial statement presentation.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

1.75

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Our institute is a self-financing private institute affiliated to University of Mumbai. It has a distinct financial policy, for utilizing the funds optimally, for academic, administrative and research activities. The institute has self sufficient funds generated from admission fees and other miscellaneous incomes. In case of emergencies, the management supports by providing the finance. In the activities like infrastructure upgrade or maintenance, the management always extends necessary support. Financial planning is done at the beginning of the academic year well in advance with efficient budgeting involving all the Heads of Academic Departments and Administrative Sections. Apart from the admission fee, the minor resource mobilization is done through • Research Grants • Sponsorship Grants from University for different activities • Consultancy The management reviews all the financial activities through scrutiny of budgets and expenses in every quarter. Through centralized purchase, the funds are monitored and utilized in an effective manner.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	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

Strategies: IQAC shall evolve mechanisms and procedures for:

- To develop timely, efficient and progressive performance of academic and administrative.
- To develop significance and quality of academic and research programmes
- Equitable access to and affordability of academic programmes for various sections of society.
- To incorporate modern methods of teaching and learning.
- To setup credibility of evaluation procedures
- To develop the adequacy, maintenance and functioning of the support structure and services.
- To regularly monitor & support Research Facilities and networking with other institutions in India and abroad.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The two examples of practices institutionalized as a result of IQAC initiatives are as follows: The IQAC lead efforts to the successful implementation of modern technolgin the Institute's administrative functioning through ICT and automation of admission and examination processes, upgradation of Wifi and LAN facilities, have significantly contributed to an enhanced quality of teaching-learning experience.

The institute organized first international conference during the

year. An industry sponsored lab was created, Center of Excellence supported by the Code unnati program jointly by SAP Edunet. The Institute IQAC led alternative sources of energy using solar plant, especially for enhancement of solar power.

File Description	Documents
Paste link for additional information	https://ltce.in/NAAC-CRITERIA-6
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://ltce.in/activities_WDC
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	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

"Freedom cannot be achieved unless women have been emancipated from all kinds of oppression." – Nelson Mandela.

To promote gender equity, our institution established Women Development Cell with the motto of "Helping women discover their

wings". The cell aims to empower girl students and faculty to enhance their understanding of issues related to women and to make the college campus a safe place for girls and women and to address the practical issues related to the welfare and equal opportunities for women faculty and students All the students were encouraged to participate in various Technical Workshops, Seminars and Smart India Hackathon without any gender discrimination.

File Description	Documents
Annual gender sensitization action plan	https://ltce.in/activities_WDC
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://ltce.in/activities_WDC

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	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

Solid Waste Management

The institution is highly concerned about the solid waste generated in day-to-day activities both degradable and non-degradable. They have separate bins for degradable and non-degradable items in the cabins/rooms. Wastes from various rooms shall be collected in the waste segregation center near canteen.

In addition, dry waste includes dry leaves, paper, plastic,

cardboard glass, tin cans etc. and the wet waste refers mainly food waste generated in canteen and students/teacher's tiffin waste.

Liquid Waste Management

Liquid wastage generated from canteen and toilets is letting out to sewage treatment plant (STP), of NMMC drainage lines.

E-Waste Management

Electronic waste generated from computer laboratories, electronic labs, physics labs, academic and administrative offices are separated as E-waste that includes outdated equipment of obsolete items like lab instruments, circuits, desktops, laptops, printers, charging and network cables, Wi-Fi devices, cartridges, sound systems, UPS, biometric machine, scientific instruments etc. The segregated waste can be sold the MoU signed agency for recycling.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	https://ltce.in/NAAC-CRITERIA-7
Any other relevant information	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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for

C. Any 2 of the above

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 with trees and plants**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and energy initiatives 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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies

B. Any 3 of the above

of reading material, screen	reading
File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File
<p>7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).</p>	
<p>The students and staff of this institute are from different cultural background and from different states. The institution believes that "Line of control should be a garden, a place of art and cultural festival."and a very effective approach to maintain tolerance and harmony even though they belong to different communities and with different culture by organizing the events which bring the harmony and integrity among the students. The students actively participate in various extracurricular activities.</p> <p>Institute has various language clubs for the students. Various completions on regional languages are conducted.</p> <p>Faculty members are assigned as mentors, who are providing support to students in all aspects including guidance to apply for scholarship from Government / Non- Government organization.. The institute strives for uplifting the students and their families socially and economically.</p> <p>The college takes pride in the fact that apart from preparing sound academic foundation of student community; the college constantly works upon to develop them as better citizens of the country.Thecollege has strived forward with great effort to increase the level of awareness and appropriate practices amongst the students with regard to celebratingEngineers Day, Teachers Day, Independence Day, Republic Day etc.</p>	

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

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

LTCE sensitizes the students and employees in respect of values, rights, duties and responsibilities of citizens by organizing various programmes.

Faculty members and students take pledge to preserve unity, integrity and security of the Nation.

The college takes pride in the fact that apart from preparing sound academic foundation of student community; the college constantly works upon to develop them as better citizens of the country. Blood donation drive - On LTJSS founders day, is conducted every year on 10th October. NSS unit of LokmanyaTilak College of Engineering organizes Residential Camp in Village every year. National anthem is displayed in the institute.

Fundamental Duties and Rights of Indian Citizens: The College has organized various academic and co-curricular activities for the propagation of the Fundamental Duties and Rights of the Indian citizens.

Constitutional Obligations: The students have participated in various activities. All these have been organized to promote the awareness about various constitutional and legal obligations. Further, apart from the above mentioned activities, the college has also organized student centric activities like Paper-Poster Making and Essay competition, which have always received huge participation from the students and promoted their awareness about various aspects of Indian citizenship.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

<p>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 4. Annual awareness programmes on Code of Conduct are organized</p>	<p>B. Any 3 of the above</p>
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File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

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

The college believes in celebrating commemorative days, events, and festivals in college. It is an integral part of learning and building a strong cultural belief in a student. The College makes tremendous efforts in celebrating the national and international days, events, and festivals throughout the year. Institution celebrates/ organizes national and international commemorative days, events, and festivals. National festivals play an important role in planting seed of Nationalism and Patriotism among people of India. Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay

tribute to our great National Leaders. The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate these occasions and spread the message of Unity, Peace, Love and Happiness throughout. The institution celebrates every year Republic day, Independence Day, Gandhi Jayanti, International Yoga day , Women's day celebrations, Engineers Day, Lokmanya Tilak Jayanti, Teachers day, Chhatrapati Shivaji Jayanths etc.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

BEST PRACTICE- I

1. Title of the Practice: Student support systems for holistic development for improving Employability of Engineering professionalism.

2. Objectives of the Practice

The heart of holistic education should address the various dimensions of the personality of the whole person, i.e., physical, emotional, intellectual and spiritual personalities and in a nut shell KNOWLEDGE-SKILL- BEHAVIOR "The basic mantra of OBE". Transformation is a movement that is primarily from being to becoming. Holistic education values and encourages learning both inside and outside the classroom, enables the development of confident, well-rounded graduates who are prepared to serve as the next generation of creative thinkers and leaders

One key aspect of a holistic approach is providing many opportunities for interaction of engineering students with faculty, professional societies, Industries and field of work.

BEST PRACTICE- II

1. Title of the Practice: LTCE Green Initiative

2. Objectives of the Practice

Based on the approach LTCE has significant Green Initiatives to

- Promote sustainability by creating awareness
- Share knowledge & expertise-Expert talks about environmental problem sand possible solutions
- Deploy eco-friendly technologies for greening and cleaning our campuses

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Lokmanya Tilak College of Engineering, Navi Mumbai provides UG, PG and PhD education and research opportunities in new frontiers of Engineering and Technology with special focus towards Leadership and Innovation. The focus of the Institution is to empower students with sound technical knowledge and skills to make them creators and fit for highly competitive global industrial market. We have well-equipped labs, workshops and libraries to help the students in attaining the highest standards in academics, research and professional skills. We believe in providing a supportive environment to our students according to their interests. The societies like IEEE, CSI, ISTE and ISHRAE work as strong platforms for the enhancement of their skills. The infrastructure facilities combined with a group of competent and dedicated faculty members contribute to the outcome based teaching learning process.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

LTCE is seeking for NBA accreditation in 2023-24 AY. The institute is successfully submitted for Pre-qualifier and self assessment report (SAR) for NBA accreditation. LTCE is aiming to get autonomous status from UGC and University of Mumbai in the next academic year. LTCE will actively participate in the cluster university initiatives of University of Mumbai and Government of Maharashtra. New education policy initiatives will be undertaken in accordance with University of Mumbai. The institute will seek for various kinds of grants and financial support from schemes of Government of India through NIRF, NBA, NAAC and AICTE.