



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution		ATHARVA COLLEGE OF ENGINEERING
• Name of the Head of the institution		S. P. KALLURKAR
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone no./Alternate phone no.		02240294949
• Mobile No:		9970184557
• Registered e-mail		ace@atharvaeducation.com
• Alternate e-mail		rajendramahajan@atharvacoe.ac.in
• Address		SR NO.263 PLOT NO.8-12,CHARKOP NAKA, MALAD MARVE ROAD
• City/Town		Malad west Mumbai
• State/UT		Maharashtra
• Pin Code		400095
2.Institutional status		
• Type of Institution		Co-education
• Location		Urban
• Financial Status		Self-financing

• Name of the Affiliating University	Mumbai University				
• Name of the IQAC Coordinator	PRAGYA JAIN				
• Phone No.	02240294949				
• Alternate phone No.	7666304424				
• Mobile	7666607071				
• IQAC e-mail address	iqac.ace@gmail.com				
• Alternate e-mail address	pragyajain@atharvacoe.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.atharvacoe.ac.in/wp-content/uploads/NAAC-AQAR-2019-20.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B+	2.72	2018	03/07/2018	02/07/2023
6.Date of Establishment of IQAC			28/07/2015		
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	
0	0	0	0	0	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC					
9.No. of IQAC meetings held during the year			4		
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been			Yes		

uploaded on the institutional website?	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
1. Quality Initiative by IQAC in Collaboration with Electrical Department on CYBER SECURITY Awareness. 2. Atharva Electronic Highway 3. Innovation, Entrepreneurship and Startup (IES) forum webinar series. 4. Staff Training Program 5. Workshop, webinar, seminars and orientation	
12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year	
Plan of Action	Achievements/Outcomes
Technical Events	Atharva Electronic Highway
Entrepreneurship	Webinar Series under (IES) forum
Marching towards Excellence	STC; Staff Training Centre/session on Online Teaching learning
Social Cause	Cyber Security Awareness
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
College Development Committee	10/06/2021
14. Whether institutional data submitted to AISHE	

Year	Date of Submission
2020	24/01/2020

Extended Profile

1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	390
2.Student	
2.1 Number of students during the year	2258
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	960
2.3 Number of outgoing/ final year students during the year	613
3.Academic	
3.1 Number of full time teachers during the year	97
3.2 Number of Sanctioned posts during the year	97
4.Institution	
4.1 Total number of Classrooms and Seminar halls	26
4.2 Total expenditure excluding salary during the year (INR in lakhs)	356.27,214 lakhs
4.3 Total number of computers on campus for academic purposes	600

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 the University of Mumbai (UoM). The syllabus and the curriculum prescribed by the UoM is implemented by the institute. The following processes are developed and deployed for the successful implementation of the curriculum.

Plan for effective implementation of curriculum:

- Just before beginning the academic year, Hon. Principal along

with VP's and HOD's and student council of the institute prepare the academic calendar, adhering to the academic calendar of UoM.

- This Academic calendar is then distributed to all the departments.
- A department wise academic calendar is then prepared by all the departments and it includes the planning of industrial visits, seminars, guest lectures and workshops.
- Depending on the subject choice and the expertise the Head of the department allocates the theory and laboratory courses to the individual faculty members.
- The departmental time table is prepared for each class as per the teaching scheme given by UoM.
- The timetables as per the class are displayed on the common notice boards, all the teachers are provided with individual time table and laboratory time tables are displayed in the respective laboratory notice boards and also made available on the institute website.

Process of executing the plan:

- Teaching plan and laboratory plan is prepared by every subject teacher before the commencement of the semester.
- Teaching and lab plans are approved and ascertained by the HoD.
- A course file is maintained by every subject teacher which contains
 - Time table
 - Syllabus copy
 - Lesson plan
 - Notes
 - Previous years, question papers and solutions.
 - Class tests record
 - Quizzes record
 - Internal assessments records etc.
- The course files are audited by the Internal Quality Assurance committee(IQAC) along with the senior subject teacher and the HoD.
- Day to day academic activities are monitored by the IQAC, along with the teaching learning process and the adherence to the academic calendar. The gaps if any are conveyed to the HoD for necessary actions.
- A mentor mentee scheme is followed. For groups of every 20 students a mentor is provided. The mentor conducts weekly meetings with the students, addresses their problems, academic and non- academic issues.

- The course files are evaluated by Internal Quality Assurance Committee (IQAC) with help of concerned senior subject teacher and HoD.
- IQAC monitors the academic activities on day-to-day basis to ensure the execution of timetable. It also monitors execution of academic calendar and teaching learning process after every 15 days and finds the gap, if any. The gaps are conveyed to HoD for necessary action.
- For a group of around 20 students a teacher is allocated as Mentor. Mentor conducts a weekly meeting and does the counseling of poor performing students. Mentor also addresses the nonacademic issues of the students. The mentoring activities are monitored by the HoD.
- Depending on the performance of the students in unit tests, mock practical exams and quizzes during the semester, a list of poor performing students is prepared and these students are provided with extra guidance. The faculties conduct remedial lectures for poor performing students.
- Bridge courses are conducted for first year and lateral entry students and they are made to understand mathematics and engineering.
- The academic performance of students is continuously monitored by conducting unit tests, mock practical examinations during the semester. Remedial classes are conducted for the students having poor performance in these evaluations.
- Bridge courses are organized and conducted for the first year students and lateral entry students to help them understand basic concepts of Mathematics and Engineering.
- Learner centric techniques such as assignments, peer learnings, NPTEL lectures, Brain storming sessions and Group discussions are encouraged throughout the semester.
- Appropriate decision regarding the requirements and procurements of new books , journals, e-journals and e-magazines subscriptions are taken by the library committee from time to time. A online transaction system is developed and established in the library for the issue of books.
- Expert opinion from industry and alumni are taken from time to time. Their feedbacks are given due credits in defining and deciding the graduate attributes and the outcomes of the courses.
- Workshops, Seminars, Skill development labs, field/ industrial visits and guest lectures of experts from industry, academia and alumni on the syllabus topics and related topics according to current trends are arranged from time to time regularly.

Please Note: In the light of the pandemic situation due to Covid-19,

the classes/laboratories were shifted to digital platform taking in consideration the safety of all & following Covid-19 guidelines issued by local bodies/state government/central government from time to time. Needful deliverables were communicated via digital mode of communication to the concerned members.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

- Being a part of the of the University of Mumbai(UoM), ACE follows the Academic Calendar issued by the University at the beginning of the academic year.
- It states clearly a schedule for teaching, examination, semester break and vacations, that is strictly followed by the college to ensure smooth and efficient functioning of its teaching and administrative processes.
- Within the same framework, the institute prepares its own academic calendar which adheres to the time lines of UoM, all the academic calendars are placed in the institute website.
- The above mentioned information are communicated to the new students during college and departmental orientations during the start of the academic session.
- The principal conducts meetings with both the teaching and the non-teaching faculties for the smooth implementations of the activities scheduled.
- The teachers prepare the schedule and the list of assignments, class tests, presentations and quizzes and inform the students well in advance about the deadlines.
- Flexibility as per the need was provided in conduction of the lecture and practical's by using the online platform.
- Extra academic support is provided through the mentor-mentee schemes to supplement the academic work.
- Multiple assessments are created and taken as a part of the continuous assessment or monitoring throughout the semester. The suggestions and feedbacks offered by the teachers and mentors are taken into due consideration and opportunity is given for the students to improve their performance and succeed throughout the semester.
- The learners pace is taken into due consideration by the

institute, while creating the tasks and deadlines.

- Projects, Field works, industrial visits and excursions are arranged as a part of CIE.
- Innovative learning methodologies are given due importance.
- The institute bears a testament to diverse arenas like sports and cultural activities.
- These activities in addition to the academic activity allows for a balanced development of an individual.
- Everything is geared towards providing transformative education in a structured manner to our students, with accessibility, comprehensibility, and transparency.

Please Note: In the light of the pandemic situation due to Covid-19, the classes/laboratories were shifted to digital platform taking in consideration the safety of all & following Covid-19 guidelines issued by local bodies/state government/central government from time to time. Needful deliverables were communicated via digital mode of communication to the concerned members.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	Nil

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	No File Uploaded

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	
5	
File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
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)	
1	
File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
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	
55	
1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year	
55	

File Description	Documents
Any additional information	No File Uploaded
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

Atharva College of Engineering strives towards holistic development of students to inculcate values like compassion and commitment to development of self and society.

The college has student societies like IETE Students Forum, NSS Atharva, student council which regularly organize socially relevant events and outreach programmes so that students learn to engage with socio-cultural issues in a constructive manner.

Academically, Electives like Business Communication & Ethics, Development Engineering, Disaster Management and Mitigation Measures, Energy Audit and Management, Project Management, Skill Enhancement Courses and Ability Enhancement Compulsory Courses are offered within and across departments, to help students critically examine issues related to gender, environment and ethics also it helps to develop the life skills/ interpersonal skills to progress professionally by building stronger relationships. For first year and direct second year student's induction programmes are conducted.

ACE encourages students to volunteer and organize college fests to display their self-starter attitude. From such fests Students develop essential skills such as planning, teamwork, leadership and multi-tasking which makes them to balance personal and professional life in future. IEEE TECHITHON is the annual inter-collegiate technical festival at ACE. College promotes national level competitions like SMART INDIA HACKATHON.

ACE firmly believes in rigorous implementation of professional ethics; students are made cognizant of the significance of proper referencing in assignments, intellectual property rights issues, consequently discouraging any kind of plagiarism.

Innovation and Entrepreneurship Development Centre (IEDC) in ACE established to develop Institutional mechanism to create

Entrepreneurial culture to foster growth of innovation and entrepreneurship amongst the faculty and students to bring out the software/hardware product which has market value, prepare Business plan and to form a company.

At ACE, students with their business ideas started out on their own as entrepreneurs. These start-ups have mentored and supported the campus companies.

ACE has carefully planned its infrastructure to prioritize conservation of the environment. The building is well provisioned for students with disability.

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	No File Uploaded

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

21

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
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

278

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

B. Any 3 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)	No File Uploaded
Any additional information(Upload)	View File

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

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.atharvacoe.ac.in/feedback-system/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2258

2.1.1.1 - Number of sanctioned seats during the year

1920

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**

740

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

Students are identified as advanced learners or slow learners on the basis of their passing percentage, classroom performances, regularity in submission of class work and assignment and personal interaction. The institution pays required attention to each category.

Advanced Learners:

- The faculty members of all the departments who handle regular classes identify the requirements of the advanced topics and give lectures on the topics in the regular class itself.
- The students of various departments are encouraged to take part in symposiums, workshops and seminars to gain knowledge in the advanced topics.
- The students are encouraged to do projects and mini projects in the advanced topics under the guidance of the faculty members. They are allowed to use labs for extra hours. They

are encouraged to participate in various national & international competitions, technical paper writing and also provide financial aid for this.

- Technical bridge Course on Python was designed for students in order to have more practical exposure and make them industry ready.
- The college library provides a lot of journals and eBooks, through which the students can gain knowledge on the advanced topics.
- The faculty members teach content beyond the syllabus, after the completion of syllabus to enrich the knowledge of the students in the advanced topics.
- The Institute has signed MOU with some national and International Institutes and organizations and students are exposed to advanced learning through such institutes/Organizations .
- The Institute runs Infosys Campus Connect Programme where students are the participants as advanced learners.
- Students are encouraged to participate and attend various workshops, Industrial Visits, NPTEL lectures, MOOCS courses, Virtual lectures by experts.

Slow Learners:

- Special care is taken of slow learners to improve the overall academic performance of these students.
- They are found from analysis of various assessment processes like tests, viva sessions, interactions during lectures etc.
- Their problems are discussed with faculty members during mentoring and counseling sessions.
- Extra lectures are conducted for these students.
- Recordings of the regularly conducted lecture/ practical during the academic year were shared with all students through googleclassroom so that slow learner students can understand concepts properly by referring to it and clear their doubts.
- The students are encouraged to take part in workshops, webinars and seminars so as to clear their fundamental topics.

File Description	Documents
Link for additional Information	https://drive.google.com/drive/folders/10isrpN7s1PvnWlrkGagwCQoezEruee40?usp=sharing
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
2258	97

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

Atharva College of Engineering provides an effective platform for students to develop latest skills, knowledge, attitude, values to shape their behavior in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. The institute organizes an annual technical fest, TECHITHON in which students showcase their learning in the form of innovative projects. Also, students are motivated to participate in inter college as well as national level competitions.

The institute focuses on the student-centric methods of enhancing lifelong learning skills of students. Faculty members make efforts in making the learning activity more interactive by adopting the below-mentioned student-centric methods.

Experiential Learning:

Each department conducts add-on programs to support students in their experiential learning. The institution imparts the following experiential learning practices to enhance creativity and cognitive levels of the students -

? Internship or Field Project in Industry -Students get hands-on training while working in the company.

? Participation in competition at various level- For Real time exposure students are encouraged to participate at National and International Level

? Guest lectures by eminent experts from industry and academics from across the world are organized to supplement the teaching process and provide

experiential learning.

? Add-on Courses on latest technologies with NPTEL, Coursera etc.

? Major Project and Mini Project development on latest technologies by students where they showcase their working model in the technical fest.

? Industrial Visits to engage them in experiential learning while visiting the organization.

? Participation in simulated events such as hackathons where they acquire experience of working on some real-life model.

? Laboratory Sessions are conducted with content beyond syllabus experiments.

Participatory Learning:

? Annual Tech Fest - It is organized every year for engineering students where selected projects are displayed at the larger platform.

? Annual cultural program - This is organized every year for the students of the college to give a vent to their creativity.

? Group work - Practical and workshops in all individual and group work under the guidance of teachers are also conducted.

? Presentation and publishing of papers in conferences and journals - The objective is to give them exposure to learn and imbibe new skills.

? MOOC Programs (NPTEL, COURSERA etc.)

Problem-solving methods:

? Regular Assignments based on problems

? Motivate students to join MOOC courses

? Expert lectures on various topics

? Mini Project development

? Research Activities

? Case studies Discussion

? Class presentations

? Participation in Inter college events

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

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

The institute uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education.

The following tools are used by the Institute-

ICT Tools:

? Projectors- projectors are available in different classrooms/labs

? Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.

? Printers- They are installed at Labs, HOD Cabins and all prominent places.

? Photocopier machines - Multifunction printers are available at all prominent places in the institute.

? Scanners- Multifunction printers are available at all prominent places.

? Seminar Rooms- Two seminar halls are equipped with all digital facilities.

? Smart Classrooms- Six Smart classrooms with smart boards using optical devices are installed on campus.

? Auditorium- It is digitally equipped with a mike, projector,

cameras and computer system.

? Online Classes through Zoom, Google Meet, Google Classroom.

? MOOC Platform (NPTEL, Coursera, etc)

? Digital Library resources available.

Use of ICT By Faculty Members:

? Google classroom is used to manage and post course related information- learning material, quizzes , lab submissions and evaluations, assignments,etc.

? Virtual labs are used to conduct labs through simulations.

? Online drawing tools like concept maps, mind maps, are used to perform student centric activities.

? The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process.

? The online learning environments are designed to train students in open problem-solving activity.

? Media lab facility is used to create video lectures and upload in appropriate platforms for students to use as extra learning resources.

? Lab manuals are mailed to students well in advance the experiment is performed.

? Online quizzes and polls are regularly conducted to record the feedback of the students.

? IIT Virtual lab(SQL Lab-Sem III) is used for creating multiple students accounts where faculty can check the individual practicals performed by students

? Industry Connect- Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.

? Online quiz- Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.

? **Video Conferencing-** Students are counseled with the help of Zoom / Google meet applications.

? **Video lecture-** Recording of video lectures is made available to students for long term learning and future referencing.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

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

97

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

97

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
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

15

File Description	Documents
Any additional information	No File Uploaded
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**

574

File Description	Documents
Any additional information	No File Uploaded
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.

Internal Assessment Process:

1. Correct Solution set with stepwise marking scheme mentioned clearly, is provided to the paper checker.
2. Grace marks, if necessary, are given and grace marks clause is clearly mentioned in the assessment scheme
3. Duration of paper assessment per faculty is conveyed clearly. Not more than 4 papers can be assessed in 45-60 mins. Maximum 30 papers can be assessed per faculty per day. (applied for 80 marks written exam)

4. Revaluation/Moderation are done as per university norms/guidelines.
5. Term Work marks are granted based on the marking scheme mentioned in the syllabus. For example: For a term work of total 25 marks, marks are distributed as : 15 marks for the experiments performed and results submitted, 5 marks for assignments submitted and 5 marks for attendance.
6. All the submissions required for granting term works marks are collected on google classroom, the online learning platform.
7. A set of two question papers are submitted by the subject teacher for Unit Test conducted for Internal Assessment. One among the two papers is used for Unit Test randomly.
8. The marks of Internal Assessment are uploaded on the google classroom, the online learning platform .
9. Assignments and tests are regularly conducted and students are given multiple opportunities to improve their performance. A variety of techniques and methods such as MCQs, Analytical tests, Case studies, Book Reports, Classroom presentations, individual and group projects are employed

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://drive.google.com/drive/folders/0B-so_sGF1AlTsbUV5VkdKVkJhUk0?resourcekey=0-TuxgVLFBvCWF-wMfz_RFqA&usp=sharing

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

A grievance committee is formed, to deal with exam related issues of the students. Grievance committee consists of Principal and Head-of-Departments. The Grievance Committee follows the procedures laid down in the Maharashtra Act and takes decisions as per certain code of conduct. The nature of the grievance can be of any of the following categories:

- 1 Awarding inappropriate marks in Internal Assessment

2 Casual/careless attitude of checking. Missed question assessment.

3 Out of syllabus question paper

4 Biased decisions of the teacher

The Grievance Committee takes decisions based on certain code of conduct:

1 The students are treated as our valuable customers

2 Utmost care is taken to see the student is comfortable with the committee. He/she is allowed to express himself/herself freely.

3 The approach is to help out the student not to punish him/her.

4 The decisions are taken so as to meet the dates of result declaration as specified by University

The faculty addresses the rightful grievances of the students pertaining to the marks obtained in the internal assessment. The evaluated papers related to internal examination consisting of class tests, assignments, projects, etc. are returned to students with detailed remarks and suggestions for improvement. Any query of students regarding the feedback and evaluation is thoroughly addressed by the respective teachers. The marks are sent to the university only after each student has been given ample opportunity and time to review and register her complaint, if any. The final Internal Assessment marks are reviewed by the Departments. There is a Moderation Committee at the college level that looks into any discrepancies in Internal Assessment marks and takes requisite steps to ensure transparency and objectivity. If any error is detected in the final mark-sheet in spite of rigorous scrutiny, it is promptly reported to the University by the College. Hence the College employs a robust multi-tiered mechanism to ensure transparency and objectivity in dealing with grievances

related to internal examinations.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://drive.google.com/drive/folders/0B-soSGFlAlTsWFFfU3FsTkd6SXc?resourcekey=0-422PsT2RVjLCoFie5rF98Q&usp=sharing

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 Program Outcomes (PO) and Course Outcomes (CO) are adopted for all programs offered by the institution in accordance with "University of Mumbai " guidelines. Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed on the website of the institution. (<http://www.atharvacoe.ac.in/>)

The course outcomes are written by the respective faculty member using action verbs of learning levels suggested by Bloom Taxonomy. All the faculties were writing appropriate COs for each course of the program from first year to fourth year in a four-year engineering degree program. Teachers are also well communicated about the outcomes.

Description of Mechanism of Communication:

1. Time table committee frames the time table for the current semester.
2. Time table committee along with the respective head of department allocate the subject to the teaching faculty after referring to the subject choice form filled by each faculty.
3. Once the subject is allocated each faculty frame course outcome refers to the mumbai university syllabus including verbs as per bloom's taxonomy.
4. Once course outcomes are prepared it is checked by CO-PO committee and verified by HOD.

5. Course outcomes prepared and verified by HOD.

6. All faculty communicate to students their respective subject CO while giving introduction to the subject.

Course outcome updated every semester and reviewed every five year when syllabus is revised by mumbai university

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://drive.google.com/drive/folders/1ox_RHaeLl3b4f9uTu53koYwEkAEPILu0?usp=sharing
Upload COs for all courses (exemplars from Glossary)	No File Uploaded

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

The Institution regularly evaluates the performance of students through various methods for measuring the attainment. The programme outcomes and Programme Specific outcomes are assessed with the help of course outcomes of the relevant programme through direct evaluation process. It is provided through University Examinations, Assignments and Unit tests.

The process of attainment of COs, POs, PSOs and PEOs starts from writing appropriate COs for each course of the program from first year to fourth year in a four-year engineering degree program. The course outcomes are written by the respective faculty member using action verbs of learning levels suggested by Bloom Taxonomy. Then, a correlation is established between COs and POs in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high). A mapping matrix is prepared in this regard for every course in the program including the elective subjects.

The Methods of measuring attainment:

1. *End Semester University Examination:* The affiliating University conducts examinations as per semester and annual pattern through which the institution measures programme outcomes based on the course attainment level fixed by the programme. It is a direct evaluation process.

2. *Internal and External Assessment:* Internal assignments are given

to the students which are mostly aligned with Programme Outcomes of the respective subject. External Assessment is evaluated by external experts for the Practical examinations, appointed by the University through Viva-Voce and Journals uploaded on respective Google classrooms .

3. Unit Tests: Students are assessed and evaluated throughout the year at institutional level through unit tests and the performance of the student is analyzed for assessing the attainment level of programme outcomes and programme specific outcomes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://drive.google.com/drive/folders/1ox_RHaeLl3b4f9uTu53koYwEkAEPILu0?usp=sharing

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

604

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	No File Uploaded
Paste link for the annual report	https://drive.google.com/drive/folders/1Z-ApYiBWROZd4oSv6JLuyeROxDjzrP5H?usp=sharing

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://www.atharvacoe.ac.in/student-satisfaction-survey-2020-21/>

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)**

00

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
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**

00

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

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**

52

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
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

25

File Description	Documents
Any additional information	No File Uploaded
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

15

File Description	Documents
Any additional information	No File Uploaded
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

Atharva college of engineering organizes extension activities in the neighborhood community that sensitizes students towards community issues, social inequity etc., and foster a sense of belonging within

a community by providing the opportunities for social support. A brief description of some of the student activities follows:

National Service Scheme(NSS) , a central sector scheme of Government of India, Ministry of Youth Affairs & Sports that aims to develop the personality of student volunteers through community services and to make them sensitive and responsible human beings who are aware of socio-economic realities of India.

Atharva Foundation: Atharva Foundation is an initiative of The ATHARVA EDUCATIONAL TRUST. Atharva Foundation aims to look after the not-so-privileged sections of our society.

Under Atharva Foundation many activities like , 'One For all, All for one', 'Wonder Volunteers of all Play... A carnival Of Joy', ' 100 Daughters, 100 Laptops, 100 Days' Kargil Vijay Diwas etc., are carried out to help the underprivileged children, recognize the sacrifice of our soldiers, tree plantations.

Paradigm of Life: is A leadership organization where visionaries become part of a Family. We aim to bring together all those who want to make a difference in this society, country and world in their own ways and grow and blossom together. Their Mission is to bring out the dormant Leadership qualities amongst every individual and channelize their energy in the areas of Corporate, Social Work and Industry thereby making them a great icon in the face of Whole world. Paradigm of Life also aims at building a beautiful bond amongst it members, making them realize their inner talents and hidden potential to spread positive energy and exuberance.

File Description	Documents
Paste link for additional information	https://www.atharvacoe.ac.in/nss/
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

83

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	No File Uploaded

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

63

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
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

1980

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
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

250

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	No File Uploaded

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

7

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.

Atharva College of Engineering has constantly endeavoured to provide quality education and ensure all round development of the students in order to create aware, responsible and empowered students. The Institute was set up to fulfill a vision of creating a world class educational environment that allows students to develop their professional abilities and foster a strong sense of responsibility and ethics. The institution has a well maintained, user friendly and

resilient infrastructure conducive to teaching, learning and comprehensive development of students.

- The Teaching Block has well-appointed and spacious classrooms, tutorial rooms, department rooms, Robotic Center, iMac Lab, Satellite Ground Station, Virtual Classrooms and Innovation lab (iLAB).
- The classrooms are equipped with projectors so that ICT can be used for strengthening academic discourse.
- iLAB is the lab of Innovation and Imagination. This lab provides Physical, mind and Technology space to give shape to your Next Breakthroughs. It is most advanced and high-tech centres of Creative Leadership and Innovation which has been specifically set up with a view to provide an unprecedented experience in Management Development Programs to the corporate professionals and students. The centre has world class infrastructure with 50 touch screen computers, each of which is equipped with 1TB Hard disk and 8GB RAM, cutting edge softwares, technologies, tools and most advanced 3D Idea generator software for generating breakthroughs. Atharva's iLab is a state-of-the-art facility, which will exclusively be used for Innovation through Technology. It helps in providing Innovative Solutions to Existing Challenges, Developing Breakthrough Innovation idea pipeline for future growth and Establishing Innovation as a disciplined process.
- Atharva College of Engineering has set up Industrial Robotics Training Center for Educational Institutions at ACE, Malad (West), Mumbai. ACE's Robotics Training Center is India's Second & Maharashtra's First Industrial Robotics Training Center amongst Private Engineering Colleges. ACE has set up Robotics Center in order to train students/industry professionals in Advanced Automated Manufacturing & produce highly skilled technical manpower in the field of Industrial Robotics. Recently, ACE's Robotics Center had an addition of Humanoid Robot. ACE's Robotics Training Center is INDIA'S First Humanoid Robotics Training Center Amongst Private Engineering Colleges in India, Implemented with "Aldebaran Nao Evolution Humanoid Robot" & Can Perform Multitude of Operations. This Highly Equipped Humanoid Robotics Center Will Help students to gain knowledge on multi language programming on Humanoid Robots & help them to explore Artificial Intelligence & various other domains to designs & develop Robots to behave as Humans, as the future of Robotics is Hospitality & Service Platform Robots on which wide research is going on globally. ACE's Robotics Center will be a milestone in the field of Research, Technology & Innovation

- & will boom the placement opportunities for students of ACE.
- Atharva college of Engineering has set up a state of the art iMac Lab consisting of 20 iMacs, an iPad and an Apple TV. The lab aims to equip the young graduates in various domains that drives the digital world like mobile computing, multimedia, cloud computing etc. The lab has been set up to impart knowledge of Apple technologies in budding professionals and give them a hands-on experience on the incredibly powerful Mac OS X operating system. It will enable students to get accustomed to the versatile applications of Mac and iOS. The vast variety of applications of Apple will foster their creativity and provide a platform for them to come up with ground-breaking projects.
 - Atharva Satellite Ground Station was established in 2008 as a part of IIT Bombay's first student Satellite "PRATHAM". The satellite is designed to fit within a cube of 30 cm sides, and weighs nearly 10 kg. Pratham will be useful for scientific studies, help in tsunami warnings and correcting errors in GPS communication. The passion of the complete team for space technology and satellite communication has led to undertake such research activities pertaining to track of satellites and knowledge sharing ranging from antenna designing to decoding the signals. The passion of the complete ground station team for space technology and satellite communication has led to undertaking such research activities pertaining to tracking of satellites and knowledge sharing ranging from antenna designing to decoding the signals.
 - The institute offers Polycom System for Virtual Classroom facility via optical fiber along with Wi-Fi connectivity supported by a 200 Mbps leased line, highest bandwidth connectivity.
 - Atharva has World class Auditorium . Academic events like conferences, seminars, talks etc. and student activities are hosted in the auditorium.
 - The Library is located on the second floor & fourth floor Phase - I building. The reading room is spacious, well ventilated and with ample natural light. It has a seating capacity of 150. The library has a membership of INDEST - AICTE Consortium for International e-journals. The library subscribes to IEL Online i.e. IEEE / IEE Electronic Library Online. Users get full access to 241 international journals, 1800+ standards, 8700 conference & proceedings.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://drive.google.com/drive/folders/16YBUw6y_Bi6nteGNdXCssXtDJ-jmnRpd?usp=sharing

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

The college is committed to offering resourceful infrastructure for holistic growth of students. It provides adequate facilities for cultural activities, indoor and outdoor sports as well as other student and faculty support amenities.

A spacious fully amphitheater, equipped and air-conditioned Auditorium, Common Room and Multi-Purpose Hall are available for the students to organize and participate in co-curricular, recreational and cultural activities. The auditorium is equipped with state of the art infrastructure and apparatus. The auditorium has been provided with a screen and a projector. The hall has an air conditioning system. There is a generator for power back-up and the firefighting system is in place.

The outdoor and indoor sports facilities for different games are available. Spacious place for Meditation and Yoga is available on first floor of third phase.

A well-equipped gym & Swimming Pool are available for students and staff for maintaining physical fitness and health of students and staff. The college has a well equipped gym in phase-3 which offers round the clock service to staff and students. The well maintained gym comprises of multi-gym (12 stations), smith machine, breacher curls, arm machines, bench press, flat benches, bars, dumb-bells, plates, dip stands and many other modern exercise equipments.

As an additional attraction, Atharva provides swimming pool facility to its students. In phase 2 there is lavish swimming pool of 54.5 * 28.4* 6 cube feet with the capacity of 2-3 lac litre water.

Approximately 50 students swim every day. This facility is provided for girls in the morning 6-7 am and boys can come 5-6pm in the evening. Pool water is very neat and clean. It is filtered by chlorine by twice a day.

<https://www.atharvacoe.ac.in/sports/>

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://drive.google.com/drive/folders/16YBUw6y_Bi6nteGNdXCssXtDJ-jmnRpd?usp=sharing

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

8

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

24

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/file/d/1ziKij79XgJUtECJruUqvXyfUK1qrP8Yb/view?usp=sharing
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)

50.22

File Description	Documents
Upload any additional information	No File Uploaded
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 College Library is wi-fi enabled and has a seating capacity of 150 users. An e-resource Centre has been established in the Library consisting of 17 nodes to enable students and faculty to access information for their academic pursuits through internet and e-resources and took the membership of 5 databases.

List of the this database :

1. IEEE
2. Springer - 3 subject collection
3. J-Gate
4. ASTM Digital Library
- 5 . National Digital Library

Registered as a NDLI Club under the National Digital Library of India.

The Library uses MICM Library Management software ILMS software, 1.0.481 which was Partially automated in 2004.

The Online Public Access Catalogue module of the software allows library database searching by entering preferred terms and is mainly used for information retrieval.

The Circulation module of the software covers all the operations of circulation right from creating member records. The key features of the module are single screen Issue, Return and Renewal with total details of members, membership records.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.atharvacoe.ac.in/library/

4.2.2 - The institution has subscription for the following e-resources e-journals e-

A. Any 4 or more of the above

ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

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)

1096575

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
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

0

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	No File Uploaded

4.3 - IT Infrastructure

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

Hardware Infrastructure

Atharva college of Engineering has 600 Desktops/Workstations for students. The college uses Lenovo, Dell and HP workstations. Computer Labs have adequate number of desktops maintaining student to computer ratio of 1:1 most of the times. In addition there are 30 HP Deskjet printers in the administrative block. The college uses 20 LCD projectors for teaching learning purpose.

This infrastructure is complemented by computer networking devices, scanners and interactive teaching board etc. The College has employed a full time IT consultant for maintenance and support of the ICT infrastructure. In general, computing and internet facilities are available to all teachers and students on the campus. The institution provides access to desktop systems and laptops to both faculty and students which allows them to use computer aid for academic projects, practical sessions and for learning. To make the learning process more effective various innovative methods are used by the teachers. This includes giving group assignments and having power point presentations, where students can discuss and explore their knowledge together. Learning combined with visual presentations or working on certain software is much more enjoyable and comprehensive for the students.

Software Infrastructure

The College has three high configuration servers to allow fast transmission of data to the various computers. All the computers are supported by a 200 mpbs LAN and Wi-fi system.

The desktops are running on Window 7, Windows 10, Linux and Ubuntu pro operating systems. Office automation packages like Open Office, MS Office and Antivirus are purchased by the college and updated regularly. The college provides all standard Econometrics, Statistical, computational and scientific typesetting packages such as Python, R, MATLAB, Tally ERP9, Java, VB, C++, Scilab, AutoCAD, etc. These are either open access or purchased softwares. LAN and Network connections are also monitored by the Server Incharge.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/drive/folders/1-dKxWr_UeYtuL4jj4bEZEEdAFyLyiEjk8?usp=sharing

4.3.2 - Number of Computers

600

File Description	Documents
Upload any additional information	View File
Student – computer ratio	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
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)**

122.55

File Description	Documents
Upload any additional information	No File Uploaded
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.

Maintenance of Resources:

a) Equipment and machine maintenance Some of the critical maintenance work are outsourced as per the outsourcing process defined in ISO manual. However regular monitoring and control is the

responsibility of maintenance section.

i. Records of equipments are maintained in stock registers as specified in Purchase Process

ii. Equipment's / appliances are serviced periodically or as and when required

iii. Equipment's like measuring devices are checked / calibrated during servicing iv. Servicing is done either by inhouse personnel or by external party or through annual maintenance contract (AMC)

vi. Record of servicing is maintained.

v. Records of AMC are maintained in AMC Register.

b) General maintenance:

i. Maintenance of A.C. plant is outsourced on AMC and Auditorium, cleaning and maintenance is done by internal staff member and one person from outside.

ii. Cleanliness of toilet blocks and wash room have been done by the in-house employees

iii. Fire extinguisher is outsourced since refilling of the cylinder is done once in a year.

iv. Maintenance of CCTV is done by the in-house employee and is maintained in coordination through technical person of computer center.

Policy of the Library: Acquire and make available to all students and faculty of the college such as books, journals, magazines.. Maintain a program of service which locates information, and interprets material for students and faculty of various streams, and stimulates thinking and intellectual development in individuals of any age.

Policy of the Laboratory: Develop an appreciation of the importance of Practical knowledge. Produce scientifically literate young adults. Teaching of the experimental method Supplementing the theoretical material covered in the lectures The training of an engineering students follow higher-order learning of the experimental method at the analysis.

Policy of the Classroom: Entering the room: Enter quietly and politely
Lining up: Stand up quietly, push in your chair, take all necessary items line up without touching others or talking
Leaving the room: inform faculty where you are going not run or play in the hallways or restrooms.
Beginning the day: Enter the room politely, lunch, turn in your homework, sit at your desk and read alone or do your work silently.

Policy for the Computers user: User should use any college computer or network facility with proper authorization. User shall knowingly endanger the security of any college computer or network facility, nor will fully interfere with others authorized computer usage. User shall connect any computer to any of the Universitys networks unless it meets technical and security standards set by the college.

Policy for the sports complex using profane language during any and all practice sessions and games is absolutely prohibited. Fields may be closed due to inclement weather (lightning, excessive rain), problems with irrigation, poor drainage of fields, etc. Please help keep the Fields, and parking lots clean for all participants. Please dispose of waste items in the trash cans provided
Vehicles and bikes are not permitted on Fields or grassy areas.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://www.atharvacoe.ac.in/wp-content/uploads/Proceduresandpolicies.pdf

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

1034

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
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

4

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://www.atharvacoe.ac.in/courses/applied-science-humanities/
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

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	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

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**

252

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

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

25

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
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

33

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded

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.

00

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
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)

As per the Rules and regulations Under provision of section 40(2)(b) of the Maharashtra Universities act, 1994 and guidelines were provided by Mumbai University, College has formed the Student Council.

The Detail Of The Selection Process And Constitution, Are As Follows:-

1)Interested students work right from their F.E (Second semester) for the cultural festival i.e Rhythm.

2)Candidates who are capable are suggested /elected for the interview on the basis of their past experiences.

3)Their knowledge about the particular work is taken into consideration during the selection. 4)The productivity, dedication they have shown earlier plays a major role.

5)The selection is totally based on their experience ,merit and interview.

6)The following are the post's of the Student council: General secretary Creative head (2) Vice General secretary Academic head Treasurer Sports Secretary(2) Cultural Secretary (2) Documentation Head(2) Marketing Secretary(2) Registration head Vigilance head Celebrity head Hospitality head.

The College has various academic and administrative bodies that have student representatives on them. This representation helps them for their overall development. These bodies create more avenues for

students to develop technical skill, updating knowledge on the state of the art subjects, personality development and service to society through the following Societies/Associations.

There are staff advisers to guide students in the smooth and efficient conduct of these activities. Membership Count Sr.No Name Of The Body/ Committee Number Of Students 1 Student council(SC) Core Team 18 2 Institution of Electrical and Electronic Engineers (IEEE) 22 3 National Service Scheme (NSS) 50 4 Computer Society of India(CSI) 84 5 E-Cell 47 6 Paradigm of life(POL) 74 7 Internal complaints committee(ICC) 3 8 Electrical Engineering student association(EESA) 16

Activity of Professional Bodies Technical Festival (Techithon) Seminar Workshop Bridge Courses Industrial Visit Project Competition Activity of cultural committee

NAME OF CULTURAL ACTIVITIES Ganpati festival Rhythm Fashion Box Cricket Treasure Hunt Dance

The academic schedule of the entire year for the Student Council starts with "INDEPENDENCE DAY" where the flag hoisting is also organised by the Student council. Followed by the interviews , we have the Induction ceremony for the F.E students,conducted with the help of our faculty wherein we the student body gives the F.E students a brief information about the college infrastructure, events,activities and committees. Also we have Induction for our S.E diploma students where we give them brief information about the entire college. With all these events , we have our biggest festival of the year- Ganesho utsav i.e "Atharvacha Raja", where we welcome our beloved bappa in our very own campus for 7 days.We celebrate this festival with different days like Tie and saree day, Traditional day,Color day,cross culture day etc wherein students wear a cultural attire and add up the glamour. After Ganpati we conduct "FreshersParty '' for our F.E students to give them a grand welcome in our very own Atharva. With all this we also plan and schedule the Industrial Visits for the entire Engineering Departments i.e from F.E-B.E.

As we have a Technical festival : "IEEE-TECHITHON" in the odd semester , we the student body conduct interviews to assign a new committee for it.(T.E students)Students are openly invited for interviews and are judged on the basis of experience and also interview based. We also brief them about how the workflow goes throughout the year. With Rhythm in the even semester we take interviews to form a new Student council ,where students are openly invited for Interviews and are judged on the basis of experience and also interview based. The Republic day celebration where we host the entire flag hoisting program.

The Student council in consultation with the HODs prepare the

Academic calendar for both semesters. In the month of February, we have the convocation ceremony which is entirely conducted by the student council body. Rhythm-The Annual cultural festival of the Atharva is one of the best attractions. During Rhythm, the first day starts with the Marathon- with a social cause followed by Nightevents each day like Dance, Fashion, War of bands, Drama, Prom, and Dj night wherein different colleges compete amongst each other, along with other Lan events, Fun events , Day events, etc. The entire Festival is solely organised by the Student council. To sign off, the last job of the Student council is to conduct Sports Week for 5 days with 2 inter-college and 3 intra-college days held at Poisar Gymkhana. In the month of May, we organise Farewell for our beloved B.E students who have their last few days in college. With this the Student Council ends its tenure and passes on their responsibilities to the Next Student Council.

File Description	Documents
Paste link for additional information	https://www.atharvacoe.ac.in/student-council/
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

00

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
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

Yes, Contribution from Alumni to institution has been made in the form of Alumni Talks and guest lectures. The institution has an Alumni Association. Its activities and major contributions for institutional, academic and infrastructure development. We organize Expert / Guest lecturers from alumni. This can be on campus or online lectures using Google meet/ZOOM. Alumni share their experience about new technologies or skills required in industries with current students. Alumni had given talk on preplacement area also.

The college collects feedback from its graduates and employers and uses it to develop its curricula, improve the facilities and the overall status of the college. The college organizes alumni meet periodically and collects the feedback and uses it to improve the college. The institution collects program exit feedback from its passing out students. The students are requested to fill the exit feedback form before they receive their Transfer Certificate (TC). The data is collected and processed. The data is used to implement any corrective or preventive action to rectify any deficiencies. The Training and placement cell collects feedback from senior executives, who visit the campus for campus interviews, on the performance of the students in the campus interviews. This feedback is just passed on to the department to make the necessary action. Feedback from Alumni is also collected from time to time. This data is used to update the teaching and learning process, particularly to implement any tailor made course for the students to improve the chance to be placed. Alumni association contribution to the institution Established in January 2017, the mission of "Atharva Alumni Association" is to create and maintain a lifelong connection between the institute and its alumni. Finding new ways to build an engaged membership base is an integral task of the association. Joining the Atharva Alumni Association is one of the easiest ways to reconnect, give back to the institute and serve as a springboard for further involvement. The first step towards this mission was initiated by two of our Alumnus Mr. Ashish Gaikwad & Mr. Indresh Vishwakarma by offering internship to two students of ACE at Varsito Solutions Pvt. Ltd. which is the Bangalore based start up. It was a two months Internship program & our students were trained on various technologies such as Ruby, Ruby on Rails, ReactJS, AngularJS, PSQL & Docker. They are also planning to arrange similar internship programs for other students of ACE in future. One more such internship program has been planned by our Alumni Mr. Ashish Haldar at his startup "Apna Bookwala" where he is going to offer an

internship to 20 students from second & third year engineering.

File Description	Documents
Paste link for additional information	https://www.atharvacoe.ac.in/alumni/
Upload any additional information	No File Uploaded

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

- In light of changing national and global trends in education, the vision and mission of Atharva College of Engineering, Malad(w), Mumbai have been evaluated and updated. Goals are set to achieve the objectives outlined in the national higher education policy. The College's current aim is to continuously endeavour to deliver comprehensive technology education in a healthy learning environment, creating technocrat leaders for a competitive world.
- The institution's Vision and Mission represent the institution's unique features. The College meets the society's educational, social, cultural, and economic demands. Its policies reflect all of these qualities. The policy of uncompromising devotion to the values and principles of inclusivity, responsibility, and social accountability is being implemented through high-quality educational programmes and healthy practises.
- The Governing Body and the Principal collaborate on developing and implementing an institutional quality policy. The College's various administrative and academic departments are effectively governed through the establishment of mandatory bodies such as the IQAC, Staff Council, Student Council, IEEE, CSI, Ember E-cell, Purchase Committee, and others, each with well-defined roles and principles in line with the college's

vision and mission.

- The Principal appoints committees with members from teaching staff, non-teaching staff, and students to oversee the college's various operations, such as admissions, academic coordination, examinations, promotion of research and extension activities, development of infrastructure-facilities, staff appointments, service records, and encouraging cultural activities.
- The Vice Principals and HODs assist the Principal in carrying out the strategic and prospective plans through their department personnel.
- Through innovative acts, strategies, and policies, the College attempts to meet the needs of society. There are various additional cultural groups dedicated to Indian culture, choreography, dramatics, magazine, photography, Western music, and so on, in addition to a variety of extracurricular societies. These societies' teacher supervisors and student office bearers work hard to engage students to participate in a variety of skill-based and talent-enhancing activities so that they can contribute to society as responsible citizens.
- Apart from developing an environmentally friendly campus, the management raises funding for infrastructure, laboratory, library, and office equipment.

The Principal and the Governing Body's attention and commitment to the goals of higher education can be seen in their ongoing efforts to mobilise resources and introduce job-oriented courses.

File Description	Documents
Paste link for additional information	https://www.atharvacoe.ac.in/vision-mission/
Upload any additional information	No File Uploaded

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

- Atharva College of Engineering follows the practice of decentralisation in its true sense, in all the three important pillars of the institution, viz. academics, administration and extra-curricular activities.
- The IQAC, the Staff Council, the Student Council, the Time Table Committee, and numerous Cultural Societies all practise decentralisation and participatory management, which is reflected in all of the College's activities through a robust

and efficient organisation of Committees/Societies.

- All of the College's primary stakeholders, including Management, the Governing Body, the Principal, Teaching and Non-Teaching Staff, Parents, Students, and Alumni, cooperate in a democratic manner to carry out their tasks and obligations, adhering to the unspoken principles of responsibility.

CASE STUDY OF RHYTHM, THE ANNUAL CULTURAL FESTIVAL OF ATHARVA COLLEGE OF ENGINEERING

Rhythm'21 is an online fun fest which was initiated by Atharva Group of Institutes for all students from 12th April to 16th April. The theme for this year was 'ANTARIKSH - Discovering the Beyond'. This was a resourceful idea to spread positiveness amidst the current COVID'19 pandemic situation. Along with giving students an opportunity to showcase their skills on an online platform the main aim of this fest is to spread awareness about the crisis corona virus has created in our nation. The online fun fest consisted of various amusing events like dance, singing, rapping, mono acting, photography events, HM events, FILM and MBA events. While we all were sick and tired during this lockdown period, the aim of Atharva Group of Institutes was to motivate students to do something different and exciting.

Total number of Registration :- 250

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institutional perspective plan aligns with the vision and mission of the institution which are the constant driving factors for improving academic quality policies and strategies.

It is effectively deployed to focus on bringing quality improvements in the areas of:

1. Curricular Planning and Implementation

2. Teaching- Learning Processes

3. Research, Collaboration and Extension Activities

4. Academic infrastructural facilities

5. Student Support Activities and Student Progression

6. Internal Quality Assurance System

7. Institutional Values and Best Practices

8. Governance, Leadership and Management

At the beginning of the academic year, various bodies and committees that constitute the Organogram of the institution, chalk out the strategic plan of events and activities which will support the growth and development in these key areas and at the end of the year, a review is taken about implementation and the outcomes of the perspective plans.

One such broad area in which the Institutional Perspective and Strategic Plan has been successfully implemented is that of Teaching, Learning and Research. This has been achieved through the deployment of Action Plan for the following initiatives:

1. Workshops and webinar conducted by the Departments for development of Students and faculty members.

<https://www.atharvacoe.ac.in/workshopseminar/>

2. MoUs signed with Industrial sectors for training, development and placements.

https://drive.google.com/drive/folders/1s1dCrDahnKCFZynscv-wX9_GHVE1EOch

3. The College has also introduced an E-Paper, 'Atharva Times' which is an interdisciplinary refereed e-paper published quarterly. It is an E paper of achievements of students and faculty members, activities carried out at department level.. To facilitate access to the same, it is available free of cost on the College website.

4. Research and Innovation @ Atharva

1. Atharva Robotics centre

2.I Mac Lab

3.Ground Station

4.Atharva IT Park

5.Startups

<https://www.atharvacoe.ac.in/research-innovations/>

6. Conferences and Seminars are organized by various departments to give an exposure to both faculty and students about the latest global trends in academics, industry, sciences.

7. Emphasis on using the ICT tools for effective teaching and learning.

College has an efficient IT infrastructure with ICT enabled classrooms, seminar halls, labs, library, administrative. The entire campus is connected with wi-fi.

Institute has adequate number of desktops and laptops available for students and staff.. Computers and printers are available in the every department. Projectors have been provided in the auditorium, classrooms, seminar rooms.. The College has employed a full time IT consultant for maintenance and support of the ICT infrastructure.

<https://drive.google.com/file/d/1ziKij79XgJUteCJruUqvXyfUK1qrP8Yb/view?usp=sharing>

Strategic Plan and deployment documents on the website

<http://www.atharvacoe.ac.in/notices-2/>

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	http://www.atharvacoe.ac.in/notices-2/
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.

Service Rules, Policies and Procedures: The institution has its own service rules, policies and procedures for effective functioning of the institution in line with AICTE, Government of Maharashtra & University of Mumbai guidelines.

Recruitment of Faculty/Supporting Staff. Advertisements are published in the state and national level newspapers.

Interviews are conducted by a panel consisting of senior faculty, Head of the Department, Director External subject expert, Principal and Chairman as per norms.

Preference is given to relevant qualifications, teaching, research and industrial experience. A demonstration is taken from students each person to understand the teaching capabilities and competency. The guidelines of the university and AICTE are followed during the recruitment of the faculty. The selected candidates are required to attend the university ratification process. Supporting staff are recruited by the panel consists of HODs, Principal and Chairman.

Promotional Policies Based on the staff performance appraisal, they are promoted to higher levels. Qualification, Eligibility and Salary Structure as per AICTE norms

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://www.atharvacoe.ac.in/wp-content/uploads/HR-DOCS.pdf
Upload any additional information	No File Uploaded

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

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

- Staff Employees Provident Fund as per PF rules. ...
- Medi-claim-Health Insurance. ...
- Full paid Maternity Leave. ...
- Sick Leaves
- Casual leaves
- Vacations(summer and winter)
- Uniforms are given to Class IV employees every year. Apron, footwear and uniforms are provided to workshop staff every year.
- ACE has set the norms for professional development of faculty members and non-teaching staff and supports them for following actions:- Pursue Higher Studies and do Ph.D.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/folders/1hRMVPErSb_6xLHCAP_z18Kn9pb8wbvTT?usp=sharing
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

3

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

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

5

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	View File
Upload any additional information	No File Uploaded
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

57

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
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

The Institute strictly follows all the basic recruitment and promotional policies as stipulated by AICTE.

- Each and every faculty member completes the self-appraisal procedure every year in the format prescribed by Mumbai University.
- Self-appraisal is done on the basis of the following points:-
- Teaching learning process evaluation Specific duties / tasks assigned by Heads of the Department.
- Major contribution for the benefit of student/ staff / Institute.
- Awards/ Rewards obtained by the faculty and staff.
- Contribution towards extracurricular and cocurricular activities.
- Execution of exam duties assigned by Mumbai University.
- Research contribution of staff in terms of research projects, publications and guidance provided to students for involvement in research .
- The management always plays a vital role in the performance appraisal of the staff.
- Annual increments and promotions in the grades are all implemented by the management on the basis of an individual performance indicated in the appraisal report.
- The management takes major financial decisions like implementation new salary structure, introduction of perks, rewards scheme etc. based on the outcomes of the review of the performance in appraisal report.

Thus such review is used as an important tool and maintenance of high level of satisfaction among employees. Decisions taken by the

management are communicated to concerned stakeholders through HOD concerns' by circular, official orders etc through the channel of HR dept.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Internal Audit is carried by the Internal Audit Department. The accounts of the College are audited regularly as per the Government rules. The Internal auditor checks receipts with fee receipts and payments with vouchers and the necessary supporting documents. He/She also ensures that all payments are duly authorized. The Statutory audit is carried out by C.A. firm S.K. Shetty & CO. in accordance with the Accounting Standards governed by Institute of Chartered Accountants of India every year. The Statutory Auditor conducts an audit after completion of the financial year. The report of the Statutory Auditor for the last two years along with the audited Balance Sheet and Income and Expenditure account is enclosed. The Institute has completed its audit for the financials year 2020-21. The Statutory Audit work for the session 2018-19,2017-18,2016-17,2015-16 was also conducted by the same Auditor. According to the Audit report the Balance Sheets, Statements of Income and Expenditure comply with the Accounting standards, Generally accepted in India.

File Description	Documents
Paste link for additional information	Nil
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)

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File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
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

The Institution has a transparent and well planned financial management system in which "fees from students" is the main source of funds. The Resource mobilization policy focuses on achieving the goals and target of the institution ensuring accountability and transparency. The parent body of the Atharva Educational Trust coordinates and monitors the optimal utilization of the funds for the promotion of learner-centric ecosystem.

- The Institution is a centrally managed non-profit organization which ensures the income generated is spent optimally in the institution itself
- A financial advisory body is in place to manage the managed funds.
- Funds are provided to meet the infrastructure requirement of the institution while starting new programmes and centers
- The management provides financial supports to seminars/workshops/expert talks/Association activities/Faculty Development programmes
- The extracurricular activities of the students are a major concern and adequate funds provide for Sports and Cultural activities
- Scholarships and free ships to the deserving students
- Provident fund(PF) and Medical Insurance benefits are provided to the Management appointed staffs

File Description	Documents
Paste link for additional information	Nil
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

Atharva College of Engineering, Malad (W) has constituted Internal Quality Assurance Cell (IQAC) to develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the college. It was established on 28th July 2015 with view to promote measures for quality enhancement and sustenance. IQAC helps to maintain and sustain quality parameters of the institute in every aspect of academics. During academic year 4-5 meetings are conducted which are being attended by members, faculties, students and alumni. The institute's prime focus is on high academic performance, through outcome based learning and evaluation process. Learning is made student-centric through series of lectures, seminars, presentations and industrial visits.. Research and Development cell is an integral part of the activities of Institute. This cell is one of the wings of the Institute which facilitates, channelizes, records, and regulates all the academic, sponsored, collaborative research projects in the Institute. The Institute is closely working with core industries to train the students in this direction. Various technical and social activities are conducted to groom them as social engineers.

The two practices institutionalized by IQAC are:

1. STAFF TRAINING CENTRE (STC), ACE

2. Atharva Electronic Highway

STAFF TRAINING CENTRE (STC), ACE

Abstract: The STC organizes various FDPs for growth and development of faculty members, to provide an excellent platform to faculty members from various disciplines in developing competence and understanding recent advances in research, to discuss and build an ecosystem for improving quality of engineering education with external faculty experts from Industry and Academia.

Introduction: STC believes in planning, adaptability to latest trends in education, research, innovative pedagogies, developing professional skills and in achieving excellence in performance. Every year STC organizes various FDPs for training faculty members in different disciplines like Importance of punctuality, planning,

attending the priority, Invention creativity and Innovation, Introducing teaching for understanding, Using open source technology, ethics, entrepreneurship, higher studies and personal growth.

Activities in Academic Year 2020-21

A]AICTE has appointed Dr. K.G.Narayankhedkar as Margdarshak for Atharva college of Engineering Malad. He has been guiding the NBA preparation. Sir has taken nine meetings from 29th Jan 21 to 30th Nov 21.

Minutes of meeting are available on Atharva Website
www.atharvacoe.ac.in

B]Prof. Deepali Maste has conducted meeting for teaching staff on the topic "Application of Google Classroom".

Total 3 sessions conducted for ACE faculty members on the topic of Google Classroom Topic: Google Classroom platform for learning management.

Atharva Electronic Highway

The Atharva Electronic Highway (AEH) was built with the goal of feeding and motivating future engineers. We have three monthly activities under the Atharva Electronic Highway:

- OPEN FORUM -Open forum is an interactive platform in which students will directly interview the esteemed faculty of Atharva College of Engineering about various aspects of engineering.
- DISCOURSE - In Discourse, students will hone their debating and logical thinking skills.
- BRAINWAVE - Motivational videos will be shared with students via BRAINWAVE, and they will have the opportunity to present their learning from those videos.AEH is primarily intended for students, by students, and for students.

The first session of the Atharva Electronic Highway was held on August 15, 2020, and it began with an open forum in which our institute's Principal, Dr.ShrikantKallurkar, was interviewed by a B.E ELEC student, Nishant Jain.

The second session of the Atharva Electronic Highway, a discourse, was held on August 31st, with a total of 8 students (4 groups)

participating.

The debate competition's topic was: Is torture acceptable under any circumstances? The event consisted of three rounds, with winners declared for each round. At the end of the session, the top three speakers and winning team were felicitated online.

Link1:

https://docs.google.com/document/d/1Ym_TqF48WKHKwEm1s4_9KW_aOKbEdBC/edit?usp=sharing&ouid=10164062576665537131&rtpof=true&sd=true (STC Report and Atharva Electronic Highway Report)

Link 2:

<http://www.atharvacoee.ac.in/minutes-of-nba-meetings/> (STC Margdarshak meeting link)

File Description	Documents
Paste link for additional information	https://docs.google.com/document/d/1Ym_TqF48WKHKwEm1s4_9KW_aOKbEdBC/edit?usp=sharing&ouid=10164062576665537131&rtpof=true&sd=true
Upload any additional information	No File Uploaded

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

It has been one of the primary concerns of IQAC to adopt practices, which will provide quality education to the students through an effective and meaningful teaching-learning process. This plays an instrumental role in enhancing the quality of the academic and co-curricular endeavors of the College in keeping with its vision and mission. IQAC achieves this through mainly two practices

1. Conducting Academic Audits annually, wherein all faculty members are made course files of their respective subjects, analysis of student's performance based on results and research projects. Effective curriculum implementation and use of ICT-related pedagogical methodologies are followed. Based on the audit, the auditor gives non conformity to the departments suggesting measures for internal quality enhancement. It makes recommendations for the departments to do self-evaluation and to set higher goals to meet new challenges.

2. Collecting feedback from stakeholders like students, parents, staff and alumni to facilitate teaching-learning reforms. This helps in obtaining an unbiased and honest opinion about the institutional performance especially in academics. Student feedback of teachers is conducted regularly. A careful analysis of the feedback received is done and communicated to the teachers to enable them to enhance their teaching skills and their relationship with the students.

Based on the information received due to implementation of the above two practices, IQAC, post accreditation, has been able to develop a system for conscious, consistent and catalytic action to bring about reforms in teaching-learning process, structure, methodologies and learning outcomes.

Two broad areas where these reforms are reflected are as follows:

Attainment of Programme Outcomes, Programme Specific Outcomes and Course Outcomes

IQAC suggests innovative pedagogical methodologies like Power Point Presentations, Projects, Field Trips, Workshops etc. in addition to the completion of curriculum through Assignments, Class Tests, Tutorials etc.

IQAC promotes the culture of research amongst students by organizing Research Workshops for students.

Departments are encouraged to organize Conferences and Seminars on themes relevant to the educational needs and futuristic growth of the students.

Internship opportunities are made available to the students by inviting reputed companies to the College through the Placement Cell or the Departments.

Many Industry-Academia collaborations are established wherein students get the opportunity to keep themselves abreast of the latest trends in the various sectors .These add to the learning outcomes of the undergraduate programmes and courses being taught to the students.

Effective Use of ICT in Teaching and Learning IQAC has ensured that all classrooms and labs are fully equipped with ICT facilities.

In previous years, after accreditation (Ist Cycle), new laboratories have been constructed .There has been infrastructure augmentation

wherein new smart classrooms have been constructed which are equipped with projectors and smart board.

Teachers are encouraged to use ICT tools to prepare and deliver their lectures through audios, videos and PPTs.

Workshops are organized to familiarize the faculty with the various teaching and communication platforms. Research and Collaboration Centre has been established in the Library to facilitate teachers to use the ICT and e-resources for the purpose of doing research.

Report Links:

1.
<https://drive.google.com/drive/folders/1dgifp2dxs234s11FdvwMBA1s9Tg4uK-JZ>

2
https://docs.google.com/document/d/1LVR5pk_AVnIaqKyXOEfC8RvMod1YY2zG/edit?usp=sharing&oid=114132281497678731866&rtpof=true&sd=true

[\(comparison feedback\)](#)

File Description	Documents
Paste link for additional information	https://www.atharvacoe.ac.in/wp-content/uploads/Comparison-report-IQAC-2019-20-2020-21-FEEDBACK.docx.pdf
Upload any additional information	No File Uploaded

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)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
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

Safety Measures :

1. The security of the Women's in the campus is strictly monitored by deployment of security persons.
2. An entry/exit register is maintained at the entrance gate where all entry/exits are recorded.
3. The institution has high quality CCTV cameras installed all over the campus to track the activity of every student thus ensuring their safety inside the campus.
4. Rotational duty by all faculty members for discipline and security.
5. Strict implementation of Anti-Ragging, Anti-Smoking and mobile free campus.
6. Fire extinguishers are placed at appropriate places and are regularly serviced.
7. Sanitary napkin vending machines are installed in female washroom.

Counseling :

The institute has Women Development Cell and Internal Complaint Committee and develops mechanism of counseling students to address

both personal and career related issues. Departments are also mandated to have regular student-faculty interaction meetings to take stock of problems and resolve them. Every Faculty in the Institute is allotted with 20-25 Students monitor their personal, personal, academic and psychological well being by having interaction with them. Once every week, the student will meet her/ his counselor to reveal their problems and for remedies that are recorded.

Common Rooms:

Common rooms are available for students in the campus. These rooms are well ventilated and the students utilize these for having lunch and also for common discussions.

Other relevant Information: Awareness campaigns on women safety and gender sensitivity are organized through street plays, rallies and camps by NSS student volunteers.

Atharva Foundation, a brain child of Atharva Educational Trust is working continuously for the upliftment of women. Some of the initiatives include girl child education in rural India, women achiever's award, and support to daughters of martyr's families.

File Description	Documents
Annual gender sensitization action plan	https://www.atharvacoe.ac.in/nss/
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://drive.google.com/file/d/12dpssV-_0inBeokl-skSa0BIkXCEuTr9/view?usp=sharing

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	No File Uploaded

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

- **General Meaning of Waste Management**

Hazardous waste is waste that poses substantial or potential threats to public health or the environment. Depending on the physical state of the waste, treatment and solidification processes might be required. It is the separation of solids and stabilisation of pollutants. In turn stabilisation means the degradation of organic matter until the point at which chemical or biological reactions stop. Treatment can also mean the removal of toxic or otherwise dangerous substances which are likely to distort sustainable biological cycles, even after stabilisation of the organic matter.

- **Treatment at Atharva campus**

Waste Management steps including:

Solid waste management- At Atharva College, solid waste is disposed off directly in the garbage bin provided by BMC, outside the campus. Also the waste from canteen and garden waste is collected and convert it into fertilizers.

Liquid waste management:At Atharva College of Engineering, waste is treated before disposing off. Water coming off from chemistry laboratory is filtered out first, Solid waste is separated and then treated with chemicals to convert into insoluble precipitates. As the waste coming off from chemistry laboratory is very small in amount and volume the treated water is mixed with grey water and then processed as mentioned below to later use water for gardening purpose.

Atharva College also treats waste water from washrooms (grey water). Grey water collected is filtered off initially and solid waste is separated and disposed off in the sewage system backyards. The filtered water is treated with hypochlorous acid, jaggery and cowdung to remove micro-organisms and fouling smell. Later the treated water is used to water the plants in the college vicinity. Demand on conventional water supplies and pressure on sewage treatment systems is reduced by the use of greywater. Re-using greywater also reduces the volume of sewage effluent entering watercourses which can be ecologically beneficial. Greywater use in gardens or toilet systems helps to achieve some of the goals

of ecologically sustainable development. A 2010 study of greywater irrigation found no major health effects on plants, and suggests sodium buildup is largely dependent on the degree to which greywater migrates vertically through the soil. Thus the reuse of grey water is as per standards specified.

- Method of treatment

A tank of 20000 capacity is used for the recycling of grey water and hazardous water. The treatment of water is done twice a day ,in the morning hours and then later in afternoon.Capacity of tank-20000 L

Ingredients added:

Hypochlorous acid-500 ml, Jaggery -250 g,Cowdung-250 g,Treatment time : 7 hours,

Sand filter : Consists of three layers

- Gravels
- Coarse sand
- Fine sand

Treated water is filtered to remove solid waste if any. Filtration becomes necessary when suspended solid particles are to be removed that cannot be forced to settle or float within a reasonable time. Most filters have a double function, they provide a fixed surface for treatment of bacteria and they form a physical obstacle for the smaller solid particles by creating adhesion of particles to their surfaces. In the next step water is passed through sand filter to remove tiny particles of waste matter.

And finally after filtration ,the treated water is used for gardening of plants in the premises of Phase I ,Phase II and Phase III of Atharva College.

- Maintenance

In terms of maintenance ,the treatment plant do not require as much of maintenance, only monitoring has to be done regarding supply of water in reaction tank, addition of required chemicals and then to utilize water for gardening.

E-waste management- College donate E waste to schools in villages.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	https://drive.google.com/drive/folders/15iNA52BuBGRR5bPgdeqqZY8iYeSH0K-f?usp=sharing
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

A. Any 4 or all 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:

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

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	No File Uploaded

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

B. Any 3 of the above

**following 1.Green audit 2. Energy audit
3.Environment audit 4.Clean and green
campus recognitions/awards 5. Beyond the
campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

C. Any 2 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	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
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).

ACE as an engineering institution values inclusionary practices at

multiple levels including its admission in which all regional students can take admission as per the quota decided by DTE government policy, where students from diverse cultures are admitted. All festivals like Diwali, Ganeshotsav, Christmas etc. are celebrated with equal fervor.

We celebrate and protect cultural, regional, linguistic, communal, socio-economic diversities through Atharva Foundation Educational Programme such as Laptop donation to martyred soldiers' daughters and mentoring for higher education. Also organized patriotic programme where untold stories of soldiers' are narrated by renowned personalities. ACE organizes spoken English and personality development courses for students during semester break etc.

Atharva foundation also celebrates Kargil Vijay Divas on 26th July to celebrate the victory of soldiers'. We also provide platform for students to performs the cultural activities through Rhythm cultural programmes. ACE inculcates values of inclusion and respect for people from all strata. It makes students key agents in the process of empowering young minds through education.

ACE engages with cultural, regional, communal, socio-economic and sexual diversities from a variety of gendered perspective. We have a book bank for SC/ST/OBC and other students who need additional help in English, Maths and Computer Science.

Paradigm of Life is A leadership organization where visionaries become part of a Family. We aim to bring together all those who want to make a difference in this society, country and world in their own ways and grow and blossom together. Their Mission is to bring out the dormant Leadership qualities amongst every individual and channelizing their energy in the areas of Corporate, Social Work and Industry thereby making them a great icon in the face of Whole world. Paradigm of Life also aims at building a beautiful bond amongst it members, making them realize their inner talents and hidden potential to spread positive energy and exuberance.

<https://www.facebook.com/atharvafoundation1/>

<https://www.atharvacoe.ac.in/rhythm-2/>

www.atharvacoe.ac.in/nss/

www.atharvacoe.ac.in/paradigm-of-life/

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
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

Atharva College of Engineering has been committed to educating our students as constitutionally aware citizens sensitized to their Fundamental Rights and Duties. Various programmes and activities are organised both by departments as well as NSS Atharva.

The National Service Scheme (NSS) unit of ACE is dedicated to creating a 'sense of patriotic commitment' for national development. The NCC appoints Campus Ambassadors participating in the Republic Day and Independence day. ACE has an active National Service Scheme (NSS) unit where students engage in community service programmes. NSS units celebrates and performs various social activities such as Street Play, Traffic Policing, Swachata Abhiyan, Flag Pickup and Awareness Rally etc.

To promote the ideal of the Swachh Bharat Abhiyan, ACE organises cleanliness drives like Swachhta Pakhwada. ACE also initiated the anti-plastic and recycling campaign.

Following the Government of India's resolution to ban all single-use plastics, the college administration declared the ACE campus plastic free. The ban is applicable to all entities. Collection drives for newspapers and posters have been held by NSS and Green Society.

<https://www.atharvacoe.ac.in/nss/>

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

7.1.10 - The Institution has a prescribed code of conduct for students, teachers,

A. All of the above

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	No File Uploaded
Any other relevant information	No File Uploaded

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

Commemorating days, events and festivals of national importance honors the great heritage of India. Recognising the momentous contributions of historical figures to freedom and justice, likewise, inspires the youth. ACE observes several nationally and internationally significant occasions to educate our students on the history, traditions and practices of India in engaging and participatory ways. ACE celebrates India's Independence Day with much fanfare, usually on a prior working day. Students, teachers and administrative staff join in the celebrations, which commence with the singing of the National Anthem, and include cultural performances carefully curated by the Indian Cultural Society. The Republic Day is marked in college with various programmes. As a tribute to the father of our nation, on 2nd October, the birth anniversary of Mahatma Gandhi, programmes by the Peace Society, Green Society, NSS, etc., familiarize students with the life and philosophy of Gandhiji. Since its launch on 2nd October 2014, as part of the Swachh Bharat Abhiyan which seeks to accomplish one of the cherished principles of Gandhiji, ACE undertakes several measures to enlighten students about the importance of hygiene and sanitation on an individual, local, regional and national level.

Dr. Sarvepalli Radhakrishnan's birth anniversary on 5th Sept, observed nationally as Teacher's Day, is celebrated at both the department and college level. Numerous programmes organized by our students on the occasion remember and pay homage to the valuable contributions of the teaching community. The birth anniversary of Sir M Visvesvaraya is celebrated as Engineer's Day with various technical activities. Sardar Vallabhai Patel's birthday on 31st October is commemorated as National Unity Day. National integration activities like Run for Unity and Unity Pledge are organized to honour the 'Iron Man of India'. Peace Society, ACE organizes different motivational events on Swami Vivekananda's life and teachings on 12th January, his birthday, observed as National Youth Day. In December 2014, the United Nations General Assembly Resolution adopted 21st June as International Yoga Day. Since 2015, ACE celebrates this day, acknowledging the transnational role of Yoga, an ancient Indian knowledge system, in promoting physico-mental health. ACE celebrates Indian festivals like Diwali, Ganeshotsav, Navratri and Christmas. ACE celebrates Kargil Vijay Diwas on every 26th July.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

1. Title of the Practice:

Staff Training Centre (STC), ACE

2. Objectives of the Practice

The STC manages to conduct FDPs for escalating the academic, technical and overall growth of faculty members. The purpose is to offer an excellent platform to all faculty members from multiple disciplines, for raising their proficiency and helping them to accept latest progress in the field of research. This is for erecting an ecosystem for improving excellence of technical

education with the cooperation of external faculty and professionals from Industry as well as academics.

3. The Context:

STC trusts in setting up, the compliance to most up-to-date inclinations in the field of education, research, novel pedagogies, initializing specialized expertise and to attain brilliance in the performance. STC every year initializes multiple FDPS to train faculty members from various disciplines. It includes the focusing on significance of punctuality, planning, attending the priority, Invention creativity and Innovation, Introducing teaching for understanding, Utilizing open source technology, ethics, entrepreneurship, higher studies and individual growth.

4. The Practice

Staff Training Centre (STC), ACE

A] AICTE has prearranged Dr. K.G.Narayankhedkar as Margdarshak for Atharva college of Engineering Malad. He has been guiding the NBA preparation. Sir has taken nine meetings from 29th Jan 21 to 30th Nov 21.

Minutes of meeting are available on Atharva Website
www.atharvacoe.ac.in

B] Prof. Deepali Maste has conducted meeting for teaching staff on the topic "Application of Google Classroom".

In total there were 3 sessions arranged and conducted for ACE faculty members, regarding Google Classroom Training and utilizing Google Classroom platform for learning management.

Name of the Speakers: Prof Deepali Maste, Assistant Professor and HOD INFT ,ACE Mumbai, Prof Jyoti Chavan ,Assistant Professor INFT , ACE Mumbai.

5. Evidence of Success:

Session 1: 7 Aug 2020 Speaker: Prof Deepali Maste ,Attendee: ACE Teaching Faculty members, Count : 70

Session 2 : 10 Aug 2020 , Speaker:Prof Jyoti Chavan Attendee: ACE

Teaching Faculty members . Count : 45

Session 3: 6 Sept 2020 , Speaker: Prof Deepali Maste Attendee: ACE
Teaching Faculty members , Count : 70

6. Problems Encountered and Resources Required:

1. To maintain the Cooperation and understanding level, amongst Faculty members.
2. The utilization of budget upto its optimum level to get the best outcome.
3. During the online mode of skill development, faculty members are supposed to keep motivating, which is a big responsibility.
4. The time constraints are also there in delivering the online sessions that is too an important issue.

II] 1. Title of the Practice: Atharva Electronic Highway

2. Objectives of the Practice

The Atharva Electronic Highway (AEH) was built with the goal of feeding and motivating future engineers.

- a. Encourages engineering undergraduates for debating and logical thinking development.
- b. To get the opportunity of availing interactive platform with esteemed faculty experts.
- c. The purpose is to make students focus, on filling the gap between existing technologies and utilizing the skills.
- d. It provides the environment to students to present their learning through videos.

3. The Context:

The idea of Atharva Electronic Highway (AEH) was for the aspiration of nurturing and stimulating the expectations of our engineering students. AEH is essentially proposed as if it is of students, by students, and for students.

4. The Practice:

There are three monthly performances and activities, under the Atharva Electronic Highway

1. OPEN FORUM - Open forum is an interactive interface for students to communicate and to directly have dialogues with the valued faculty of Atharva College of Engineering concerning various aspects of engineering field.

2. DISCOURSE - In Discourse, students will be able to sharpen their debating and logical thinking abilities.

3. BRAINWAVE - Motivational videos will be shared with students via BRAINWAVE, and they will have the opportunity to exhibit their learning from those videos.

5. Evidence of Success:

The opening gathering of the Atharva Electronic Highway was held on August 15, 2020, and it was commenced with an open forum. In this activity, our institute's Principal, Dr. Shrikant Kallurkar, was interviewed, by a B.E ELEC student, named Nishant Jain.

The subsequent session of the Atharva Electronic Highway, was a discourse, and held on August 31st, with the participation of total 8 students (4 groups) in total.

The focus of debate contest was; Is torture acceptable under any circumstances?

The event consisted of three rounds, and the winners were affirmed for each round. By the closing stages of the session, the top three speakers and winning team were felicitated online.

6. Problems Encountered and Resources Required

1. The time management to conduct such an event was a major point to be kept in mind.

2. The selection of the theme of topic of discussion and debate was also a prime subject matter.

3. Proper guidance and motivation to students, was must to keep them attentive and involved.

4. Proper uses of budget, to avail its best and appropriate benefits.

<https://www.atharvacoe.ac.in/wp-content/uploads/7.2-Best-Practices-2020-2021-1.pdf>

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	No File Uploaded

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

As the world is being developed with the new technologies, discovering and manipulating new ideas and concepts of online education are changing rapidly. At the same time, misconceptions and myths related to the difficulty of teaching and learning online, technologies available to support online instruction, the support and compensation needed for high-quality instructors, and the needs of online students create challenges for such vision statements and planning documents. Atharva college of Engineering uses various online platforms to provide effective online teaching learning experience.

GOOGLE CLASSROOM:

Google Classroom is a free, blended learning platform that offers a variety of benefits for both students and teachers. Whether you're a 1:1 class or you just rock the computer, Google Classroom can elevate your classroom's productivity and take workflow management to the next level.

NPTEL:

NPTEL online courses is an opportunity for the faculty members of the Local Chapters to guide ,monitor their students' progress in the NPTEL online course and ensure better performance and understanding of the subject by students.

Innovations and Recognitions:

Best Practices at ACE

- Atharva's Innovation cell is recognized as IIC by MHRD
- Member of CII
- Innovative Labs-

iLAB is the lab of Innovation and Imagination. This lab provides Physical, mind and Technology space to give shape to your Next

Breakthroughs. It is most advanced and high-tech centres of Creative Leadership and Innovation which has been specifically set up with a view to provide an unprecedented experience in Management Development Programs to the corporate professionals and students.

Atharva College of Engineering has set up Industrial Robotics Training Center for Educational Institutions at ACE, Malad (West), Mumbai. ACE's Robotics Training Center is India's Second & Maharashtra's First Industrial Robotics Training Center amongst Private Engineering Colleges. ACE has set up Robotics Center in order to train students/industry professionals in Advanced Automated Manufacturing & produce highly skilled technical manpower in the field of Industrial Robotics.

Atharva college of Engineering has set up a state of the art iMac Lab consisting of 20 iMacs, an iPad and an Apple TV. The lab aims to equip the young graduates in various domains that drives the digital world like mobile computing, multimedia, cloud computing etc.

Atharva Satellite Ground Station was established in 2008 as a part of IIT Bombay's first student Satellite "PRATHAM". The satellite is designed to fit within a cube of 30 cm sides, and weighs nearly 10 kg. Pratham will be useful for scientific studies, help in tsunami warnings and correcting errors in GPS communication.

- Successful start-up stories
- Platform for Innovations & Research

Link:<http://www.atharvacoe.ac.in/wp-content/uploads/ACE-Recognition-Innovations-1.pdf>

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Online Knowledge impartment is the need of today. According to guidelines of New Education Policy Emphasis is given on online education and Hybrid mode considering the present and future scenario. Thus online lectures, workshops, seminars, conferences etc are plans for coming year.

Academic plan

1. Improve the teaching/learning environment.
2. Improve IIIC for better Industry connectivity.
3. Arrange paid internship in India and Abroad for students
4. Apply for NBA.
5. Promote Entrepreneurship and innovation culture.
6. Collaboration with good foreign Universities in process.
7. To Enhance interdisciplinary research opportunities to impact the quality of life for the region.
8. Upgrade instructional technology services.
9. Indian Technological Institutes foreign universities and venture establishing MOU with them.
10. Upgradation of classroom Online and offline mode (Hybrid mode)

Research Plan

Research is the backbone of academics skeleton. It simplifies concept building and transforms novel ideas into innovations in pursuance of a new era of passion for researches. The Research and Development Cell aims to nurture research culture in the College by promoting research in newly emerging and challenging areas of Engineering, Technology, Science and Humanities. It encourages the students and faculty to undertake the research in the following research discipline.

1. Improve the knowledge, skills and qualifications by registering Ph.D's
2. To publish technical papers in SCI/SCOPUS, National and International Conferences/Journals by staff members and students
3. To enroll around 70 faculty members in PhD. by end of this Academic year
4. To raise the funding for research activities and development of projects.
5. To conduct approved ISTE/ AICTE/STTP workshop/seminar/FDP Improve

academic interaction and participation of institutes / universities of national and international eminence in order to facilitate learning, innovation and research.

Academic and Institute Bridging plan Additional faculty or adjunct professor from industries are hire in critical needs areas, especially general education. Connect with the Universities with whom already MOU is established, to seek greater/improved avenues of collaboration. Contact other Deemed Universities to study and explore the possible avenues of collaboration with respect to the facilities established by them.

- MoU with ISAGON in manufacturing different varieties of filament for 3D printing.
- MoU with KONNECTIONS in integrated marketing communication Consultancy.
- MoU with VENTECH PRINTING SOLUTION engaged in manufacturing on UV machine ,UV Coater.
- MoU with SHREE BALAJI PRINTECH I in Designing and complete printing and Packing solution.
- MoU with AVP ROBOTICS PRIVATE Ltd.in in manufacturing different varieties of filament for 3D printed parts of commercial lightings and skill based training.

MoU with MULTIPLEXER SOLUTION PRIVATE LTD. In smart sustainable innovative technology,commercial parking system.

- Planning, coordination and conduction of Business Idea competition, Technical Quiz and allied activities as part of activities under MHRDs' Institute Innovation Council (IIC) at ACE.