



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

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/AQAR-2020-21.pdf				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://atharvacoe.ac.in/academic-calender/				
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			View File		
9.No. of IQAC meetings held during the year			3		
• 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 	View File
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)	
IEEE TECHITHON' 21	
Internal Smart India Hackathon	
Innovation, Entrepreneurship and Startup(IES)	
Faculty Development Program	
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
Entrepreneurship and Startup	webinar series along with Business Mela.
Technical Events	Techithon'21 and Hackathon
Marching towards Excellence	FDP session in hybrid mode
Social Cause	Awareness program on Covid-19 Protocol
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	12/08/2022

14. Whether institutional data submitted to AISHE

Year	Date of Submission
YES	22/12/2022

15. Multidisciplinary / interdisciplinary

In view of NEP 2020, Atharva College of Engineering has taken steps towards the multidisciplinary/interdisciplinary courses. Interdisciplinary/multidisciplinary curriculum is being implemented by offering Add-on courses to the students which gives freedom to the student to choose their preferred options from the range of programs offered by the institute. Classes for Add-on courses are being conducted so that students of all streams can choose their preferred multi-disciplinary subjects. Courses such as Humanity and social science, business communication skills, spoken English and personality development are conducted for the students. Interdisciplinary projects to solve social problems are developed by the students as part of project based learning and final year projects. Induction program is being conducted for First year students for overall development.

The institute is planning to organize an International Conference on Science Technology Engineering and Mathematics for sustainable development (ICSTEMSD) which will be conducted in 2023 to promote the Multidisciplinary / interdisciplinary participation following the concept of AICTE's concept of application of science, technologies, engineering and mathematics (STEM) among the industry and academia. The conference is multidisciplinary in nature covering areas such as Communication and Networking, Applied Computing and IT, Recent Trends in Power System, Electronics Technologies, Advanced Research in Science Technology and e-Learning. While more clarity will be visible in coming months on how the multidisciplinary and interdisciplinary approach to education being proposed in the Policy will shape up, the Institute welcomes the change and is ready to implement the same.

16. Academic bank of credits (ABC):

Atharva College of Engineering has received a circular from Mumbai University regarding the ACADEMIC BANK OF CREDITS (ABC). Mumbai university has sent a detailed PPT describing the ABC id generation process, we have explained and shared it with our students. Accordingly, the process for it has started. We have circulated in detail information about how to generate an ABC account on DigiLocker Portal and the methods with the students. Mumbai

University has conducted approximately 3 to 4 meetings with college authorities to explain the process of generating ABC id. In the meeting various queries regarding the ABC id generation, document uploading, Aadhar card linkage, mobile no. linking and change, Parent's no. linked with mobile .etc have been solved by the concerned Mumbai University authorities.

Atharva college is registered under ABC. NAD id= NAD042991, Nodal officer: Prof Niranjana Samudre. As per guidelines, the process at Atharva College of Engineering has already started and is expected to complete soon. After the completion of the registration of all students, we will be sending data to Mumbai University. We are guiding and trying to solve doubts and queries faced by students while generating ABC id. We are working to implement multiple entry and exit systems within the approved framework..

Credit transfer system is being implemented as per Mumbai University policy.

Faculty members design their own approach in teaching and learning pedagogy to achieve effective learning outcomes. Approaches like flipped classroom, group discussion, TPS methodology, role play, Project based Learning etc. being used by faculty members to enhance learning. Faculty members design lab manuals for subjects within the framework of Mumbai University. Wherever necessary faculty members add/update course outcomes for their subjects. We have additional bridge courses Robotics, i-Mac lab, i-Lab courses designed by faculty members to enhance knowledge, learning and employability of students.

Already the process of getting students registered on Digilocker portal is in the process. Also with the aim of enhancing the knowledge and skills of students, our institute has started to motivate and encourage students to register and complete courses on Moocs/Swayam/NPTEL since 2015 and till now total 11429 students have completed courses on it.

17.Skill development:

- To develop the softskills of students College conducts different sessions like Communication skills, Body language, dress code, Email Etiquette, Telephone etiquette, leadership, teamwork, adaptability, flexibility on regular basis during academics sessions.
- College also provides opportunity for students to enroll in courses like NPTEL, MOOCS, SEPD, SPOKEN TUTORIAL, FOSSEE and

other Industry based courses for enhancement of technical and non technical knowledge.

- Students are also provided opportunity to enroll for Honour / Minor Degree Programs offered by different departments
 - All departments also organises different softskill based seminar/ webinar/ guest lecture and workshops to strengthen the technical and non technical skills of students
1. NPTEL: College also offers NPTEL Online Certification Course . The main objective behind this is to enable students to obtain certificates to make students employable in the industry or pursue a higher education program. It also gives relevant exposure to tools and technologies are being offered. In the Academic year 2021-22, Total no. of enrollments were 885 and 13 no. of certifications were done
 2. Massive Open Online Course (MOOCs): Students enroll in the MOOC courses to advance their careers, develop new abilities, or raise their chances of finding a new job. Students took advantage of the free certification option offered by Coursera and expressed their willingness in continuing to do so in the future.Objectives/Outcomes:

a) To enhance skills and gain essential knowledge required for student's field or brushing up the basic key concepts,

b) To build a strong resume and character ultimately grooming students to get easily absorbed in a cooperate life

1. SEPD: Spoken English and Personality Development

Different Departments offer the certificate course in SEPD during semester break for the students communication growth.

1. List of Honour Degree offered

- Honour Degree in AIML is offered by Department of Electronics and Telecommunication Engineering
- Honour Degree in Robotics is offered by Department of Electrical Engineering
- Honour Degree in Data Science is offered by Department of Information Technology Engineering

- Institute provides Induction program for First year students every year as per AICTE guidelines under which sessions are conducted to provide value based education and lifeskills in learner. Different sessions conducted

are Effective Communication Skills, PEER PRESSURE, Importance of Emotional quotient, Emotional Intelligence, Assertiveness, Negotiation, Decision Making, Universal Human Value Understanding Harmony & Perseverance, Human value - Compassion (Karunaa), Art of Living's Mind Matter Session, 'Simplicity and Originality', Newspaper Reading, UNIVERSAL HUMAN VALUES : DISCIPLINE, SWOT Analysis, Yoga (Human Values), Life Skills (Human Values), Competition and Co-operation

Enlist the institution's efforts to:

1. Design a credit structure to ensure that all students take at least one vocational course before graduating.
 2. Engaging the services of Industry veterans and Master Crafts persons to provide vocational skills and overcome gaps vis-à-vis trained faculty provisions.
 3. To offer vocational education in ODL/blended/on-campus modular modes to Learners.
 4. NSDC association to facilitate all this by creating a unified platform to manage learner enrolment (students and workers), skill mapping, and certification.
 5. Skilling courses are planned to be offered to students through online and/or distance mode.
- Every department organizes and conducts different industry based Workshop, seminar, guest lecture on regular basis during the academic sessions to provide vocational skills and overcome gaps between industry and academic Different industry and academic speakers are invited to conduct activities in online or offline mode.
 - Institute provides facility like Robotics lab, Ground station, iMac Lab, Innovation lab Research and Development lab to students for their skill development
 - College plans and encourages students to participate in different technical and non technical activities for students like IEEE Techithon, Rhythm, Hackhathon, Conference, E Week, NSS.

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

In order to integrate the Indian Knowledge System, the Institute has been creating the requisite procedures. The Institute promotes the parental learning. The stake holders including parents and alumni are invited to share their professional and social experiences.. The institute organizes annual cultural and technical events where students enhance the creativity like modelling, analysing, organizing, interpersonal, acting, singing, dancing, playing instruments and managerial skills etc and in technical events they hone their technical skills. In order to comprehend real-life issues and offer solutions, the Institute encourages students to travel to rural areas. The Institute conducts annual one-week NSS Camp in rural areas. During the camp students stay in village, this gives opportunity to understand rural life and Indian culture. The students travel to the local schools and provide presentations on cutting-edge technology to the students. Every year, the institution plans nationwide industrial visits for students, allowing them to experience and learn about the history, traditions, and way of life of many states. Additionally, the institution encourages students to enrol in NPTEL/MOOC certificate programmes where they can take additional courses in Indian languages. Although the institute's curriculum is intended to be taught in English, the faculty members cater to slow learners by speaking their native tongue. In order to integrate the Indian Knowledge System, the Institute has been creating the requisite procedures. The Institute promotes the parental learning. The stake holders including parents and alumni are invited to share their professional and social experiences..

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

Various activities under IIC - Institution Innovation Council is done

- Each and every Department regularly conduct workshops, webinars, etc. according to their requirement and need of the field.
- Internships are encouraged among students to ensure that they do practical training
- MOOCs, the free online courses are encouraged for Students
- Weekly FDPs organized by the organization
- Regular Workshops & Webinars by External and Internal Speakers has helped students wholly.

ii. The efforts made by the institution to capture the Outcome based education in teaching and learning practices.

- Various internal assessment tools for different subjects are decided
- Massive Open Online Courses (MOOCs)
- Activities supporting cognitive strategies
- Remedial measures are taken to help defaulter students and they are constantly monitored.
- The implementation of HOTS
- IQAC and CDC
- Various workshops & seminars for the quality education environment is done
- Considering the feedback of students, faculty & parents for the best practices.

iii. Good practice/s of the institution pertaining to the Outcome based education

(OBE) in view of NEP 2020.

- Incubation Centre
- I-Mac Lab
- Robotics Centre.
- Innovation Lab:iLAB is the lab of Innovation and Imagination.
- Atharva Satellite Ground Station
- Start-ups and Ventures
- Innovation and Entrepreneurship Development Centre

20.Distance education/online education:**. Online Education:**

1. **Course Networking:** It is a Global Academic Social Networking site which makes the teaching learning process more interactive and brings it beyond the classroom boundaries. The implementation of the Course Networking has led the Department of Computer Engineering towards some positive results and we are still in the process to find more ways to make the best out of it. Course Networking allows the teachers to take the submissions and grading of Assignments online. Following benefits were observed during the offering of CN:

a) Teacher Student interaction increased and improved drastically.

b) Different features of CN like post, poll and event were used to make them feel the social platform.

c) Online lectures and quizzes in different groups has led to successful implementation of online and uninterrupted teaching learning process during the spread of covid19 virus.

The number of students placed in this academic year showed a significant improvement as compared to previous years.

1. **MOOCs:** MOOC is a free online educational program designed by a group of very outstanding professors from famous universities across the globe intended for an unlimited number of students located at any corner of the world. Interested students surf these websites for the courses of their interest and enrol themselves. MOOCs courses help improve the basic concepts & skills & help in building a strong resume and character ultimately grooming students to get easily absorbed in a corporate life.

2. **Virtual Lab:**

Main Objective are-

1. To provide remote-access to simulation-based Labs in various disciplines of Science and Engineering.
2. To provide 24x7 access to the virtual lab so that student's teacher can perform the practical's & learn anywhere any time.
3. To provide a complete Learning Management System around the Virtual Labs where the students & teachers can avail the various tools for learning, including additional web-

resources, video-lectures, animated demonstrations and self-evaluation.

4. Google Meet & Google Classroom: Facilitates online/ hybrid mode of teaching learning process & sharing of resource via Google classroom. It also facilitates conduction of lecture from anytime, anywhere learning.

5. Coursera: Coursera credentials are unique, they are recognized by employers and universities worldwide, allowing students to qualify for jobs on a global scale. It provided free certification courses during the pandemic. 612 students from Atharva College of Engineering had registered for the course of which 405 students cleared the exam & awarded from Coursera.

6. SWAYAM/NPTEL courses: It facilitates verified courses from various institutes of National importance & provides anytime, anywhere learning. Additionally participants can avail certificates by registering for the exam & clearing the same. It further is beneficial for placements as it facilitates credit transfer per NEP 2020 into the students ABC ID on successful clearance of the course exam.

7. MOODLE:

The activities that can be performed in MOODLE are: Assignments, Chats, Database, External Tool, Feedback, Glossary, Lesson, Quiz, SCORM package, Survey, Wiki, and Workshop. It's an open & free LMS which can be explored for various solutions to meet with the blended learning & improving the tech learning process.

Extended Profile

1.Programme

1.1 390

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

File Description	Documents
Data Template	View File

2.Student

2.1 2255

Number of students during the year

File Description	Documents
Data Template	View File

2.2 960

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

File Description	Documents
Data Template	View File

2.3 653

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 97

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 97

Number of Sanctioned posts during the year

Extended Profile	
1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	390
File Description	Documents
Data Template	View File
2.Student	
2.1 Number of students during the year	2255
File Description	Documents
Data Template	View File
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	960
File Description	Documents
Data Template	View File
2.3 Number of outgoing/ final year students during the year	653
File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	97
File Description	Documents
Data Template	View File

3.2	97
Number of Sanctioned posts during the year	

File Description	Documents
Data Template	View File

4.Institution	
4.1	26
Total number of Classrooms and Seminar halls	
4.2	64,154,820
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	600
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

The institute is affiliated to 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: ? Before beginning the academic year, Principal along with HOD's and student council prepare the academic calendar, adhering to the academic calendar of UoM and circulated to all the departments. ? A department wise academic calendar includes the planning of industrial visits, seminars, guest lectures and workshops. ? The departmental time table is prepared for each class as per the teaching scheme given by UoM. Process of executing the plan: ? Teaching plan and laboratory plan is prepared by every subject teacher before the commencement of the semester. ? A course file is maintained by every subject teacher which contains o Time table o Syllabus copy o Lesson plan o Notes o Previous years, question papers and solutions. ? A mentor mentee scheme is followed. For groups of

every 20 students a mentor is provided. ? The course files are evaluated by Internal Quality Assurance Committee (IQAC) with help of concerned senior subject teacher and HoD.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://atharvacoe.ac.in/

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

- Being a part of University of Mumbai (UoM), ACE follows the Academic Calendar issued by the University at the beginning of the academic year.
- Within the same framework, the institute prepares its own academic calendar, and the same is uploaded on the institute website.
- The principal conducts regular meetings with both teaching and non-teaching staffs for the smooth implementations of scheduled activities.
- As a part of continuous assessment throughout the semester, faculties prepare schedule of assignments, tests, presentations, quizzes, taking overall learner's pace into consideration.
- Conduction of lecture and practical both in online and offline-mode is made flexible during the pandemic scenario.
- Constructive feedbacks offered by teachers and mentors are valued and helps students to improve their performance throughout semester.
- 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.
- Mentor-mentee model provides added academic guidance and motivation for all-round development of students.
- The aim is towards transformative education, with accessibility, comprehensibility, and transparency.
- During Covid-19 pandemic, the classes/laboratories were shifted to digital platform, considering safety of all and following guidelines issued by the government.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://drive.google.com/drive/folders/1AhXgdoRtsNeHN8tDiUQ0fsDV0ds8AkSd?usp=share_link

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

B. Any 3 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)**

2

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	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

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

The 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.

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.

Academically Skill Enhancement Courses and Ability Enhancement 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.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

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

21

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
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

421

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)	View File
Any additional information(Upload)	No File Uploaded

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://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

2.1.1.1 - Number of sanctioned seats during the year

1920

File Description	Documents
Any additional information	No File Uploaded
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

975

File Description	Documents
Any additional information	No File Uploaded
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 basis of their passing percentage, classroom performances, and regularity in the submission of class work and assignments, and personal interaction. Advanced Learners: •The students of various departments are encouraged to take part in symposiums, workshops, and seminars to gain knowledge in 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 encouraged to participate in various national & international competitions and also provide financial aid for this. •Resource persons from industries and academic institutions are invited to give Guest lectures. •Students are encouraged to participate in and attend various workshops, Industrial Visits, NPTEL lectures, and MOOCs courses. Slow Learners: •Special care is taken for the slow learner to improve their overall academic performance of these students. •Their problems are discussed with faculty members during mentoring and counselling sessions. •Remedial classes, extra lectures, and retests are conducted for these students.

File Description	Documents
Link for additional Information	https://atharvacoe.ac.in/workshopseminar/
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
2255	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 the latest skills, knowledge, attitude, values, innovations, and ideas to shape their behavior and future in the correct manner.

Experiential Learning:

Each department conducts add-on programs to support students in their experiential learning.

- Internship or Field Project in Industry- Students get hands-on training and experiment with live projects on the server while working in the company.
- For Real-time exposure students are encouraged to participate in National and International Level competitions.
- Workshops and Guest lectures by eminent experts from industry and academics.
- Add-on Courses on the latest technologies.
- Major Project and Mini Project development.
- Industrial Visits to engage them in experiential learning.
- Laboratory Sessions are conducted with content beyond syllabus experiments.

Participatory Learning:

- Annual Tech Fest.
- Annual cultural program.
- Practical and workshops.

Presentation and publishing of papers in conferences and journals.

- MOOC Programs (NPTEL, COURSERA, etc.)
- Student participation in the competition.

Problem-solving methods:

- Motivate students to join MOOC courses
- Expert lectures on various topics
- Research Activities
- Idea generator software and mind mapping tools of i-Lab.
- Case studies Discussion

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	https://drive.google.com/drive/folders/112bN6Yq6Xn0dj9WuDa3a9Ad5Ek1JXDRE?usp=share_link

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 and optimize the delivery of education.

ICT Tools:

- Projectors/Desktop/Laptops/Printers/Photocopier Machines/Scanners are available in different classrooms/labs and campus.
- Two seminar halls are equipped with all digital facilities.
- Six Smart classrooms with smart boards using optical devices.
- Auditorium is with a mike, projector, cameras, and computer system.
- Online Classes- Zoom, Google Meet/Classroom.
- MOOC Platform- NPTEL, Coursera
- Digital Library resources.

Use of ICT By Faculty-

Google classroom and Google meet is used to manage course-related learning material, quizzes, lab submissions and evaluations.

- Virtual labs are used to conduct labs through simulations.
- Online drawing tools like concept maps, mind maps are used for student-centric activities.
- The PPTs are enabled with animations and simulations to improve the teaching-learning process.
- Media lab facility used to create video lectures and upload them to use as extra learning resources.
- Lab manuals are mailed to students in advance of the experiment being performed.
- IIT Virtual lab(SQL Lab) used for creating multiple students accounts.
- Industry Connect- Guest lectures, expert-talks, and various competitions are organized.
- Video Conferencing- Students are counselled with Google meet applications.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://drive.google.com/drive/folders/1tmH0Fyq_ExTziuXLg1G56Ga3cmTgR_Ko?usp=share_link

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	
587	
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.

- Correct Solution set with stepwise marking scheme mentioned clearly, is provided to the paper checker.
- Grace marks, if necessary, are given and grace marks clause is clearly mentioned in the assessment scheme
- 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)
- Revaluation/Moderation are done as per university norms/guidelines.
- 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.
- All the submissions required for granting term works marks are collected on google classroom, the online learning platform.
- 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.
- The marks of Internal Assessment are uploaded on the google classroom, the online learning platform

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://atharvacoe.ac.in/

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, 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 Baised decisions of the teacher

The Grievnce 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

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://atharvacoe.ac.in/

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 also were written by the respective faculty member using action verbs of learning levels suggested by Bloom Taxonomy.

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.
7. Course outcome updated every semester and reviewed every five years 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/15kHfcfUrzuRP2-LmBg95jkL53tYKpn7J?usp=share_link
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 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.

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	Nil

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

613

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/1hRRbGVQ7Xo5xs9z1JjAVEDEYgDS3BfNn?usp=share_link

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://atharvacoe.ac.in/igac-committee/>

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)**

262000

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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

0

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**

64

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

133

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

9

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

As a National Service Scheme Organisation, we have worked on several societal issues involving the environment, Cleanliness, Plastic Waste Management, and many more. We have carried out

activities like tree plantation in gardens and areas keeping in mind the future impact of it on nature. We have carried out awareness campaigns and action activities with respect to Swachh Bharat Abhiyaan involving awareness in public places, beach cleanups, etc. We are currently working on the prevailing problem of Plastic Waste Management by making eco-bricks which will help in better utilization of Plastic rather than decomposing it in soil which is hazardous to nature. Concerning the same, we have created awareness at college campus involving college students and publicized awareness videos involving ecobrick making and plastic segregation on Social Media platforms. We have carried out awareness campaigns in our adopted village Dharivali, about the existing diseases and have provided them with an explanation of the precautions and solutions to tackle diseases like tomato flu, etc. Our next goal would be setting up a medical camp for the villagers.

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

0

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**54**

File Description	Documents
Reports of the event organized	No File Uploaded
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****1912**

File Description	Documents
Report of the event	No File Uploaded
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****338**

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	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

- The Teaching Block has well-appointed and spacious classrooms, tutorial rooms, department rooms, Robotic Center, iMac Lab, Satellite Ground Station, VirtualClassrooms and Innovation lab (iLAB).
- The classrooms are equipped with projectors so that ICT can be used for strengthening academic discourse.
- Atharva College of Engineering has set up an Industrial Robotics Training Center for Educational Institutions at ACE. ACE's Robotics Training Center is India's Second & Maharashtra's First Industrial Robotics Training Center amongst Private Engineering Colleges.
- 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 drive 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".
- Atharva has a World class Auditorium . Academic events like conferences, seminars, talks etc. and student activities are hosted in the auditorium.
- The Library and 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.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/drive/folders/1IRcf1C8A2ObPbHC3Dof0EkWjRo7lBsqu?usp=share_link

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

The college offers resourceful infrastructure for holistic growth of students. It provides adequate facilities for cultural activities, indoor and outdoor sports.

- A spacious air-conditioned state of the art infrastructure Auditorium, Common Room and Multi-Purpose Hall are available for the students to organize and participate in co-curricular, recreational and cultural activities.
- 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 the first floor of the third phase.
- A well-equipped gym & Swimming Pool are available for students and staff The well maintained gym comprises 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 equipment.
- Atharva provides swimming pool facilities to students and staff. 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. T. Pool water is very neat and clean. It is filtered by chlorine twice a day.

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

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/drive/folders/1E7j_av0gbIRL40BieBDJMloQI8lra2ow?usp=share_link
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)

1279428

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)**

Name of the ILMS software:- MICM Library Management Software

•Nature of automation (fully or partially):- Partially

• Version:- 1.0.481

• Year of automation:- 2004

Note : Planning to Implement koha software for library automation.

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

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

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	No File Uploaded

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)**

779701

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

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

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

0

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

4.3 - IT Infrastructure

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

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.

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 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, Orell Talk etc. These are either open access or purchased softwares.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drive.google.com/drive/folders/1KJ5btOW2DB-26vSvihuruWSzHABFN161?usp=sharing

4.3.2 - Number of Computers

600

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

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)

26,585,870

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

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)

b) General maintenance:

i. Maintenance of A.C. plant/ CCTV 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.

Policy of the Library: Acquire and make available to all students and faculty of the college such as books, journals, magazines.

Policy of the Laboratory: Develop an appreciation of the importance of Practical knowledge. Produce scientifically literate

young adults.

Policy of the Classroom: Students and faculties have always followed the rules & regulation of college, related to classrooms as per the policies of classroom.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1143

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

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://atharvacoe.ac.in/wp-content/uploads/FINAL-REPORT-OF-FE-STUDENT-INDUCTION-2020-21-1.pdf
Any additional information	No File Uploaded
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

1143

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

1143

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

<p>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</p>	<p>A. All of the above</p>
--	-----------------------------------

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

322

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

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

5.2.2.1 - Number of outgoing student progression to higher education

27

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	View File
Details of student progression to higher education	View File

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

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

52

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

5.3 - Student Participation and Activities

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

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

0

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)

The college promotes overall development of students and builds better stake holder relationships, by encouraging student participation in various academic, social, cultural, leisure activities. For this purpose, an association of students and Alumni, work in specific cases as members.

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 and the productivity, about the particular work is taken into consideration during the selection. 4) Student council Includes: General secretary, Creative head, Vice General secretary, Academic head Treasurer, Sports Secretary, Cultural Secretary, Documentation Head, Marketing Secretary(2) Registration head Vigilance head Celebrity head Hospitality head.

The various Students committees are, Student Council (RHYTHM), NSS, Sports, Women Cell, TedXACE, IEEE Techithon, SMART INDIA HACKATHON, Atharva Satellite Ground Station, GDSC, Robotics (Robocon-2022), Innovation Cell (i-Cell), Ember Cell.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/folders/1jor0FhPvW078Ujia6Fn007Nk_UTK0zUQ?usp=share_link
Upload any additional information	No File Uploaded

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

11

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

One Day Seminar on "Roadmap for Placement" was conducted on 08/08/2022 at venue Smart Classroom 1, 5th Floor, Phase 1, Atharva College of Engineering by our Alumni Student Jigar Dave, software development Engineer, Hashed in by Deloitte, Bangalore.

The Objective of the seminar was to help in recruitment to students. And also exposure to final year students and Training and Placement process awareness to third year students to build the bridge between industry and academia.

Alumni Guest Lecture on "FACE Prep Aptitude concepts" was conducted on 08/08/2022 at venue Smart Classroom 2, 5th Floor, Phase 1, Atharva College of Engineering by our Alumni Student Mr. Zaid Choudhary ,Digital Specialist Engineer,Infosys, Hyderabad. The Objective of the seminar was to help in recruitment to students, To discuss quantitative aptitude, one of the omnipresent skills tested in the Online Aptitude exam of every company which will help Students can to attend and crack aptitude test in an interview and become successful and also will get to know the inside out how placements occur in college.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/folders/1nmYU4ot4qW4BKREluak_BwChz5dk8nYV?usp=share_link
Upload any additional information	View File

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

E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

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

The College's 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. 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 practices. The Governing Body and the Principal collaborate on developing and implementing 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. There are various cultural groups dedicated to Indian culture, choreography, dramatics, magazines, photography etc. 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.

File Description	Documents
Paste link for additional information	https://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-Ember'22 is a fun fest that was initiated by the Atharva Group of Institutes for all students from 3rd April to 6th April. The theme for this year was "CARNEVIL- See you on the other side". This was a resourceful idea to spread positiveness amongst everyone. Along with giving students an opportunity to showcase their skills on a platform. This year's theme focuses on the darker and neglected aspects of human civilization.

Total number of Registration :- 500

File Description	Documents
Paste link for additional information	https://drive.google.com/file/d/1cycGT0V4jLyVliWFNS0xN4NYzdXwnix6/view?usp=sharing
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.

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.

The deployment of an Action Plan consist of following initiatives:

1. Workshops and webinars conducted by the Departments.

<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_GHVE1EQch

3. The College has also introduced an E-Paper- 'Atharva Times'.

4. Research and Innovation @ Atharva:

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

5. Conferences and Seminars are organized by various departments.

6. 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.

<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 consisting 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	https://www.atharvacoe.ac.in/wp-content/uploads/Code_Of_Cunduct_Handbook.pdf
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	No File Uploaded
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 nonteaching

- 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/1wN Ji9aJt2OnxrmGX88Or88bwmWu7GA3 ?usp=share_link
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

0

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

1

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	No File Uploaded
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

27

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.

- All faculty members complete 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 HoDs.
- Major contribution for the benefit of the 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 like research projects, publications and guidance provided to students for involvement in research.
- 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 of new salary structure, introduction of perks, rewards scheme etc. based on the outcomes of the review of the performance in appraisal report.

This review is used as an important tool and maintenance of high levels 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	https://atharvacoe.ac.in/
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)

0

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)	No File Uploaded

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 are provided 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

Institute has constituted an 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 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. The prime focus is on high academic performance, through outcome based learning and evaluation processes. IQAC 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 two practices institutionalized by IQAC are:

1. Entrepreneurship and Startup:Entrepreneurship and Startup students having business ideas taken to the next level, started out on their own as entrepreneurs. As one of the best practices to be continued, 'Webinar series' and 'Business Mela' was conducted.

2. Techithon'21and Hackathon:It is an technical fest which was initiated by Atharva College of Engineering for all students, we at ACE want to inspire & motivate students to dosomething unexpected and adventurous and something different and exciting.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/folders/1473XAdOm_cTa2sS6xpgvs19Byizqh04J?usp=share_link
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.

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. 2. Collecting feedback from stakeholders like students, parents, staff and alumni to facilitate teaching-learning reforms, helps in obtaining an unbiased and honest opinion about the institutional performance especially in academics.

Areas reforms reflected as follows:

Attainment of PO, SPO and COs

IQAC suggests innovative pedagogical methodologies to the completion of curriculum through Assignments, Class Tests, Tutorials etc.

Many Industry-Academia collaborations are established wherein students get the opportunity to keep themselves abreast of the latest trends in the various sectors through Internship, industrial visits

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

facilities.

Teachers are encouraged to use ICT tools to deliver lectures. A Research and Collaboration Centre has been established in the Library to use the ICT and e-resources for the purpose of research.

File Description	Documents
Paste link for additional information	Nil
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	https://atharvacoe.ac.in/feedback-system/
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	No File Uploaded

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:

Security of Women's on campus is strictly monitored by security persons. Register is maintained at entry/exit gate .Institution

has high quality CCTV cameras installed all over campus. Rotational duty by all faculty members for discipline and security. Strict implementation of Anti-Ragging, Anti-Smoking and mobile free campus. Fire extinguishers are placed at appropriate places and regularly serviced. Sanitary napkin vending machines are installed in the female washroom.

Counselling:

Institute has a Women Development Cell and Internal Complaint Committee which develops mechanisms of counselling students to address personal, career related issues. Departments are also mandated to have regular student-faculty meetings to take account of problems and resolve them. Every Faculty is allotted with 20-25 students to monitor overall performance of students.

Common Rooms:

Common rooms are available for students on campus which are well ventilated and utilized by students for having lunch, 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, brain child of Atharva Educational Trust is working continuously for upliftment of women with initiatives like girl child education in rural India, Women Achievers Award, support to daughters of martyr's families.

File Description	Documents
Annual gender sensitization action plan	https://drive.google.com/drive/folders/1RRNdYZO33CdJrwDgvlKhRZgnTjRLYgj7?usp=share_link
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	Nil

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

C. Any 2 of the above

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

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

Solid waste management-

At Atharva College, solid waste is disposed off directly in the garbage bin provided by BMC. Also the waste from canteen and garden waste is collected and converted into fertilizers.

Liquid waste management: 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 to later use water for gardening purpose.

Grey water (water from washrooms) 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 cow dung to remove micro-organisms and fouling smell. Later the treated water is used to water the plants in the college vicinity.

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/1JLDlo8Q9jVOF4mtM0tM1aOYdLegpUXwL?usp=share_link
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:

A. Any 4 or All of the above

1.Restricted entry of automobiles 2.Use of Bicycles/ Battery powered vehicles 3.Pedestrian Friendly pathways 4.Ban on use of Plastic 5.landscaping with trees and plants	
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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 following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	B. Any 3 of the above
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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
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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.

We have a book bank for SC/ST/OBC and other students who need additional help in English, Maths and Computer Science.

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

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

www.atharvacoe.ac.in/nss/

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

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	View File
Any other relevant information	View File

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

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

ACE commemorates number of noteworthy national and international events to provide our students with relevant and interactive lessons on history, traditions, and customs of India. ACE celebrates India's Independence Day which starts with the singing of National Anthem followed cultural performances .The Republic Day is marked in college with various programmes. On 2nd October, the birth anniversary of Mahatma Gandhi, programmes by Peace Society, Green Society, NSS, etc., are performed which also includes Swachh Bharat Abhiyan . Dr. Sarvepalli Radhakrishnan's birth anniversary on 5th Sept, is celebrated at both department

and college level. 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 where National integration activities like Run for Unity and Unity Pledge are organized. 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, UN adopted 21st June as International Yoga Day. ACE celebrates this day, 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)	View File
Geo tagged photographs of some of the events	No File Uploaded
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.

I] 1. Title of the Practice:FDP ACE

2.Objectives of the Practice:To offer a platform to faculties, for levitating their expertise in research and technical education

3.The Context:To provide knowledge about current technological developments.

4. The Practice: Weekly FDP sessions conducted at ACE on multidisciplinary technical topics.

5.Evidence of Success

1.Session 1. On 22/06/2022 by Dr. D.P. Kothari, Faculty Count: 70

2. On 28/06/2022 by Prof Prajakta Borole, Faculty Count: 55

6. Problems Encountered and Resources Required:

1. Use of budget and time constraints.

II]1. Title of the Practice: Smart India Hackathon Participation

2. Objectives of the Practice: To resolve the problems of several corporations.

3. The Context: To inculcate a problem-solving outlook in students.

4. The Practice: 3 teams (Ananta, Binary Brain, Innovators) worked on problem statements headed by Jayesh Bafna, Pooja Sharma and Saloni Joshi.

5. Evidence of success:

1. Team Ananta- Finalists

2. Team Innovators- Finalists

6. Problems Encountered and Resources Required: Use of budget & selection of the theme.

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

7.3 - Institutional Distinctiveness

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

The Institute has always stood ahead in envisioning the vital role of technology in shaping future of engineering education. Keeping up with the pace of the industrial world to produce industrial-ready, technologically-updated students has always been the foremost attention of the institute. Institute has invested in terms of efforts and facilities in many ventures like Robotics Lab, Atharva Ground Station, iMac Lab, IEDC, IOT Lab, NPTEL, Virtual Lab and MOOCS. The Institute is equipped with a standard training cell consisting of KUKA KR-16-2 Industrial Robot with required auxiliary equipment. The training helped in participation in ROBOCON-2022, International Robotics Competition. A team of students also participated in Smart India Hackathon-2022 with the project entitled Autonomous Robo Cart. All departments frequently

organize various seminars, workshops, webinars and guest lecturers from industry professionals and well known academicians. Industrial Trainings/Internships and Industrial Visits are regular happenings in departments which aid in professional growth of students. Various awareness programs are conducted by the NSS unit of the College. Various programs like Technical and fun festival are organized by Student Council. Sports events like Inter class Cricket tournament, volleyball, baseball, football, kabaddi and athletics are organized with the help of Sports Committee. E-Learning has become an integral part of technical education throughout the world. Student initiated start-up projects are developing.

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

7.3.2 - Plan of action for the next academic year

Plan of Action- 2023

1. Regular IQAC Meetings

Meeting with IQAC members on quality enhancement in teaching is essential and expected to be conducted every quarter.

2. Value adding Training Programmes

To organise a minimum of two pedagogical training programmes per year for new teaching faculty and for those who require additional training. Organise at least one common skill development programme per year for the supporting staff. Organization of inter and intra institutional workshops on various knowledge building topics. Conduction of social subject related value-added activities

3. Preparation & Submission of the AQAR- To prepare focused Annual Quality Assurance Reports

4. Examination reforms

5. Conduct & Analysis of Academic - Administrative Audit

Arrange for feedback responses from students, teachers, parents & Alumni on quality-related institutional processes. Improvement of

results of the students by maintaining the continuous assessment - identify the issues & measures to be taken.

6. Research work promotion

Development and application of innovative practices in various programmes. Upgradation of Faculty Qualification. Improvement of quality of research through faculty publication and funding projects. Conduct of International Conferences and workshops towards research enhancement.

7. Creating Eco system

Develop system for consistent action to improve academic-administrative performance of the institution.