YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	Alva's Institute of Engineering and Technology
• Name of the Head of the institution	Dr. Peter Fernandes
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	08258262724
• Mobile no	9845050268
• Registered e-mail	principalaiet08@gmail.com
• Alternate e-mail	dattathreya@aiet.org.in
• Address	ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY Shobhavana Campus, Mijar, Moodubidire - 574 225, Mangalore, DK Karnataka State - INDIA.
• City/Town	Mijar
• State/UT	Karnataka
• Pin Code	574225
2.Institutional status	
• Affiliated /Constituent	Visvesvaraya Technological University
• Type of Institution	Co-education

• Location	Rural
• Financial Status	Self-financing
• Name of the Affiliating University	Visvesvaraya Technological University
• Name of the IQAC Coordinator	Dr.DATTATHREYA
• Phone No.	08258262724
• Alternate phone No.	08258262725
• Mobile	9481582906
• IQAC e-mail address	iqac@aiet.org.in
• Alternate Email address	dattathreya@aiet.org.in
3.Website address (Web link of the AQAR (Previous Academic Year)	
4.Whether Academic Calendar prepared during the year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.aiet.org.in/wp-content/uploads/2023/10/2022-23-COE-odd-even.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.32	2023	17/01/2023	16/01/2028

6.Date of Establishment of IQAC	25/12/2015

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
Dr. Jayarama (PI) Dr. Richard	Government	VTU-RGS	2021-22	5 lakhs

Pinto				
Dr. Satyanarayan (PI), Dr. Jayarama (Co-PI)	Government	VTU-RGS	2021-22	12 lakhs
Dr. Jayarama A (AIET-Co-PI), Dr. Richard Pinto (AIET-Co-PI)	Government	DST-SERB-CRG	2022-23	51.2 lakhs
Dr. Shashi kumar Kumara Swamy (PI), Dr. Ramaprasad A.T (Co-PI)	Government	CISEE-VGST	2020-23	30 lakhs
Mrs Vidya	Government	KSCST	2022-23	0.035 lakhs
Dr. H. G. Umeshchandra	Government	KSCST	2022-23	0.05 lakhs
Ms. Anusha B Rao	Government	KSCST	2022-23	0.03 lakhs
Mr. Sudhakar H.M	Government	KSCST	2022-23	0.06 lakhs
Dr. Guruprasad	Government	KSCST	2022-23	0.06 lakhs
Mr. Hemanth Suvarna	Government	KSCST	2022-23	0.08 lakhs
Dr, Satyanarayan	Government	KSCST	2022-23	0.08 lakhs
Mr. Kiran C H	Government	KSCST	2022-23	0.08 lakhs

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	**04**	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	**Yes**	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**	
• If yes, mention the amount		

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

1. Curriculum Enhancement and Gap Identification: • IQAC has been instrumental in identifying curriculum gaps and initiating strategic planning to address them. This includes: • Identifying areas where curriculum updates are required to meet the changing demands of the industry. • Developing a course delivery plan that incorporates innovative pedagogical methods to facilitate effective teaching and learning. • Implementing a robust proctoring system to ensure the integrity of the assessment process. 2. Skill Development and Industry Integration: To bridge the gap between academia and industry, AIET has introduced several initiatives, including: • Skill development programs to equip students with industry-relevant skills. • Organizing technical talks, industrial visits, and project-based learning experiences to provide practical exposure to students. • Offering value-added courses that align with industry needs and trends. 3. Faculty Development: Continuous faculty development is a priority to ensure that educators are well-equipped to deliver quality education. Institute has organized: • Faculty Development Programs (FDP) to enhance the technical knowledge and teaching skills of faculty members. • National conferences, seminars, webinars, and training activities to keep faculty updated on the latest developments in their respective fields. 4. Research Promotion: Institution is actively encouraging and promoting research activities by: • Supporting and facilitating research publications, funding applications, and patent filings by faculty members, research scholars, and students. • Creating an environment conducive to research and innovation. 5. Expansion of Courses: AIET

planned to introduce new Postgraduate (PG) course in Master of Business Adiministration to provide students with a wider range of academic options and opportunities for specialization. These initiatives reflect our commitment to vision and ensuring that our students receive a holistic education that prepares them for the challenges of the modern world.

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
Value added Courses, Skill Development Program and project based learning	The Value-added courses are designed to supplement the core curriculum by providing students with additional knowledge and skills that are highly relevant to their chosen fields. Skill development programs are essential for equipping students with practical, job-specific and empower students to tackle challenges in their future careers with confidence and competence. Project-based learning is a pedagogical approach that encourages students to apply theoretical knowledge to real-world projects and challenges. Also enables students to develop a deeper understanding of their subjects and prepares them for the complexities of the modern workplace.
R & D and funding initiatives	The R & D efforts in Training on Research Article Writing, Publishing in Reputed Journals and Writing Funding Proposals development have led to tangible outcomes, including increased research publications and successful grant acquisition. These achievements reflect the institution's commitment to advancing research and

	scholarship in its academic community.
Intellectual Property Right (IPR) cell had planned to host workshops and seminars connected to Patenting Inventions, procedures and policies for the faculty and students.	IPR Cell plays a vital role in fostering the creation, protection, and growth of intellectual property within an organization or institution through relevant inventions, procedures, and policies, often involving debate and discussion.
Internal Quality Assessment Cell (IQAC) in association with Entrepreneurship Development cell (EDC) has organized workshops on Incubation, Innovation and Design Thinking-Ideation- Functional Events	These events have had a profound impact on students, motivating them to embrace design thinking, innovation, systematic innovation, entrepreneurship, and startups as integral aspects of their academic and professional journeys. By imparting knowledge, practical skills, and a mindset conducive to innovation, these events have empowered students to approach challenges and opportunities with a fresh perspective and the confidence to drive positive change.
Women Empowerment Cell has initiated and conducted various activities for lady faculty and girl students	Faculty members and students have benefited from programs and initiatives that address various aspects of their well-being, including emotional balance, healthy lifestyles, and awareness of social issues. These initiatives have not only addressed the immediate well-being needs of faculty members and students but have also fostered a culture of holistic health, self-care, and mindfulness within the institution, ultimately contributing to a healthier and more supportive academic environment.

To participate in cultural and sports events at Inter-college and University level.	Students have achieved remarkable success by actively participating in inter-college and university-level events. They proudly secured the title of Students have achieved remarkable success by actively participating in inter-college and university-level events. They proudly secured the title of
To participate in NIRF to attain the national level ranking	AIET participated in the National Institutional Ranking Framework (NIRF) and achieved a commendable ranking in the innovation category, securing a position within the band of 151-300. This achievement underscores AIET's commitment to fostering innovation and excellence in education.
AIET taken part in Institution Innovation Council (IIC)	AIET has achieved a commendable rating of 3.5 stars in the Institution Innovation Council (IIC). This recognition reflects commitment to fostering innovation and promoting a culture of creativity within the institution.
Alva’s Pragati - CSR activity	Alva’s has been committed to creating rural job opportunities for rural youth over a decade. Our mass placement drives are meticulously organized to meet company requirements. Alva’s Pragati, a CSR initiative of Alva’s Education Foundation, is entirely cost-free for job seekers and participating firms. To date, over 50,000 aspirants have directly benefited from Alva’s Pragati and Udyogamela events held in diverse locations.

13.Whether the AQAR was placed before statutory body?	No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Year	Date of Submission
yes	28/02/2022

15.Multidisciplinary / interdisciplinary

Alva’s Institute of Engineering and Technology (AIET) is a self-financing college affiliated with Visvesvaraya Technological University (VTU). AIET takes pride in its distinction as an academic teaching institution dedicated to delivering high-quality interdisciplinary and multidisciplinary engineering education by offering multidisciplinary open electives and projects across all the branches as a part of Syllabus towards SEE evaluation. This commitment aligns with the curriculum framework set forth by VTU.

Our institution boasts a vibrant campus with a variety of professional, technical, and cultural clubs that include student members from diverse branches. These clubs facilitate multidisciplinary activities and coordination among students. Regularly, they organize events such as ideathons, project competitions, exhibitions, poster presentations, technical quizzes, coding challenges, hackathons, business model prototypes, and more.

AIET places a strong emphasis on social and environmental engagement and encourage students to participate in value-based mini-projects, major projects with a multidisciplinary approach, and extracurricular events that promote community involvement.

As per the 2022 scheme, curriculum is designed to be flexible, enabling students to explore different combinations of courses and breaking down barriers between programs to encourage a multidisciplinary and interdisciplinary approach. In the first year, the syllabus includes:

a). Stream-specific courses

b). Common courses such as computer-aided engineering design, communicative English, professional writing skills in English, Indian constitution, innovation and design thinking, and scientific foundations for health

c). Emerging technology courses covering subjects like smart materials and systems, green buildings, operation and maintenance of solar electric systems, introduction to nanotechnology, drone technology, sustainable engineering, renewable energy sources, waste management, Internet of Things, and cyber security

d). Programming language courses in web programming, Python programming, Java programming, and C++ programming

AIET actively promotes multidisciplinary and interdisciplinary approaches, achieved through open electives offered by various departments on campus, where students can explore different fields of study. Students are encouraged to tackle real-world multidisciplinary problems in their projects, participate in skills training programs, and undertake internships with various companies that offer multidisciplinary experiences. Additionally, motivate students to enroll in MOOC in multidisciplinary areas to further broaden their knowledge and skills.

16.Academic bank of credits (ABC):

Institution has organized an awareness program on the Academic Bank of Credits (ABC) for both faculty and students. This program also covers the concept of multiple entry and multiple exit. AIET is affiliated VTU, strictly adhere to the rules and regulations set by the university. Also implement ABC as and when it is officially introduced by the university.

The institution is proposing to drive for the autonomous status where the institution can register with Academic bank of credits. The Institution already in the process of encouraging the students to take up NPTEL / MOOC’s offered by premier institutions of the country to enhance their technical skills.

AIET has established a noteworthy international collaboration with Kumamoto University, Japan. This collaboration primarily focuses on faculty research and exchange programs, fostering global academic

relationships and knowledge sharing.

Institute conducts regular training to faculty members related to Outcome-Based Education (OBE), curricular framing, and various pedagogical initiatives. These training sessions ensure that our faculty remains updated and skilled in delivering quality education.

17.Skill development:

The institution promotes both on-campus and off-campus internships, MOOCs, NPTEL courses, and AICTE certifications. It has also introduced soft skills training for all students on campus.

Furthermore, the internship skill training is seamlessly integrated into the syllabus of all branches.

- Computer Science & Engineering: Full Stack, Web Development, Cyber Security, IOS APP development, Andriod APP development, IOT, JAVA, AI and ML and Data analytics & Learning.
- Information Science & Engineering: Full Stack, Web Development, Cyber Security, IOS APP development, Android APP development and IOT.
- Computer Science & Design – Photoshop and Adobe illustrator
- AIML – Training in ML, DL,NLP, Full Stack, algorithms and etc
- Electronics & Communication Engineering: MEMS, Digital Design and Verification using Verilog, IoT for Embedded Applications and HAM Radio Communication.
- Mechanical Engineering: Hands on training on CAE simulation software, ANSYS, CATIA, NDT, IC Engines and CNC programming.
- CIVIL Engineering: Training on valuation, Quality Assurance and Quality Control, Architecture and Skill training on Geographic information System using Open Source QGIS software.
- Agriculture Engineering: Training on Geographic information System using Open Source QGIS software and Inter institutional Internship Program on Activities of Krishi Vijnan Kendra, Mangalore.
- Master of Business Administration: Training program ICT, Soft skill and ITTC.

The institution ensures value-based education through various courses, including: Constitution of India, Professional Ethics and Human Values, Scientific Foundations of Health AICTE activity points. Additionally, the design and execution of mini projects related to social issues are incorporated into the curriculum as part of the courses.

The institution has established memorandums of understanding (MoUs) with academic institutions, Research organisations and Industries across all departments. These MoUs facilitate the provision of add-on courses, internships, technical sessions, projects, and training opportunities for both faculty and students.

The institution is equipped with several student-focused clubs and initiatives, including: NSS (National Service Scheme), NCC (National Cadet Corps), Cultural Club, Entrepreneurship Development Cell, Nature club Technical Club and more.

The primary objective of these clubs is to nurture and enhance various skills among students, including communication skills, leadership skills, community engagement, and scientific temper. Also organizes training programs to enhance soft skills such as communication, teamwork, and presentation skills.

Soft skills development is integrated into classroom activities through seminars, mini-project presentations, group discussions, case study presentations, and debates, ensuring a well-rounded education for all students.

Each department within the institution has established industry-oriented laboratories. These labs serve as platforms for conducting workshops and training programs, aimed at improving students' technical skills and bridging the gap between the industry and the institute.

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

The institute embraces diversity and cultural celebrations throughout the year, fostering a sense of unity among students. Festivals like Dussehra, Deepavali, Christmas, Iftar during Ramadan, and Onam are commemorated, highlighting cultural harmony. Kannada Rajyotsava on November 1st sees everyone don Karnataka attire, with traditional events and activities reflecting Karnataka's heritage.

As the institution adhere the framework of VTU curriculum, the Indian Knowledge system is integrated with the curriculum as a mandatory credit courses such as Samskrutika Kannada / Balake Kannada (3rd /4th Semester), Constitution of India, Professional Ethics (4th / 3rd semester), Universal Human Values-II and A credit courses on NCC (5th and 6th semesters as elective courses).

International Yoga Day is celebrated highlighting the benefits of

yoga in the campus every year. Experts demonstrate important Yoga asanas to the students and faculty members. Students and faculty join the expert in performing yoga.

The Women Empowerment Cell conducts workshops on various issues related to Women Self Defence Techniques, Stress Management, Managing Work Life Balance Mental & Physical Health, Women Entrepreneurship and Self Esteem Building by external experts.

Indian art and culture integration is encouraged through participation in cultural events, both within and outside the institution, facilitated by cultural clubs.

Cultural and inter-departmental fests showcase students' talents, fostering a vibrant atmosphere. These initiatives underscore the institution's commitment to cultural enrichment, holistic education, and gender empowerment, promoting a well-rounded educational experience for all.

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

The institution abides by VTU regulations for UG and PG degrees, focusing on Outcome-Based Education and the Choice-Based Credit System (CBCS). It diligently follows VTU's curriculum guidelines, and it aligns with National Board of Accreditation norms for developing Program Educational Outcomes (PEO's), Program Specific Outcomes (PSO's), and Course Outcomes (CO's).

Our curriculum incorporates Course Outcomes (COs) for Theory, Laboratory, Mini Project, and Main Project, all rigorously pursued by faculty members with precise alignment to Program Outcomes (POs).

The assessment scheme, including regular CIE, supplemented by laboratory sessions, projects, and internships, offers a comprehensive evaluation of graduate attributes, meeting NBA criteria.

We assess COs, POs, and Program-Specific Outcomes (PSOs) through Bloom's Taxonomy. A systematic approach calculates attainments via continuous internal assessment, creative assessments, and semester-end exams, mapping them to both course and program outcomes. This process quantifies both direct and indirect attainments, vital for program attainment calculations in accordance with NBA standards.

The institution has earned an impressive A+ grade accreditation from NAAC (National Assessment and Accreditation Council) by implementing

OBE practices at all teaching levels, which includes Continuous Internal Evaluation and Semester End Examinations. Faculty members undergo regular training to effectively implement outcome-based education.

Furthermore, each department conducts skill enhancement programs to bolster students' skill sets, aiming to bridge the gap between the academic world and industry needs. This holistic approach to education ensures that our students are well-prepared for their future careers and contribute meaningfully to society.

20.Distance education/online education:

The institution is actively exploring the potential of offering vocational courses through online and distance education. Currently, Institute encouraging both faculty and students to enroll in MOOC (Massive Open Online Course) offerings that align with our curriculum.

This initiative serves to enhance their skills in their respective fields of specialization and fosters interdisciplinary learning.

Our strategic plan encompasses - enhancing teaching-learning effectiveness by adopting ICT-enabled learner-centric methods. Enhancing industry-institute tie to nurture incubation, 00entrepreneurship, promoting research and consultancy. Elevating the student experience, fortifying alumni engagement and bolstering community involvement. Supporting green initiatives, and implementing Institute Development Plans (IDPs) for overall institution quality enhancement. Establishing a robust internal quality assurance system. These goals underline institute commitment to comprehensive educational excellence and societal impact.

Extended Profile

1.Programme

1.1 **11**

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

File Description	Documents
Data Template	View File

2.Student

2.1 **2272**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 **182**

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 **494**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1 **140**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2 **140**

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	**11**

File Description	Documents
Data Template	View File

2.Student

2.1 Number of students during the year	**2272**

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**182**

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	**494**

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	**140**

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	**140**

File Description	Documents
Data Template	View File

4.Institution

4.1 Total number of Classrooms and Seminar halls	**52**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**1021.91**
4.3 Total number of computers on campus for academic purposes	**957**

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

Alva’s Institute of Engineering and Technology (AIET) is affiliated to Visvesvaraya TechnologicalUniversity (VTU) and the syllabus is prescribed by the affiliating University. The teachers prepare curriculum teaching learning strategies in alignment withthe VTU syllabus ,feedback analysis from different stakeholdersand Vision-Mission of the institution. At the beginning of the semesterevery department prepares curriculum teaching learning strategies and submitsthe same for approval and deployment from IQAC.

The Chairman of IQAC (Principal) conducts meetings with the HoDs for delivery strategies and effectiveimplementation of the curriculum teaching learning strategies. The HoDs conduct departmental meetingsbefore semester commencement to formulate a curriculum delivery blueprint.Institute prepares Calendar of Events (CoE) by considering University mandated academic schedule andcirculated to all departments & students.

Teachers maintain course files (teaching learning strategies) whichincludes CoE, syllabus, course outcomes (COs), lesson plan, students'attendance, IA question papers & scheme etc.

Teachers are encouraged to impart the curriculum through effective teaching methods viz., audio/visualpresentations, assignments, workshops, seminars, internships and projects, certification courses etc.Institute encourages students & faculties to participate in Workshops/ Conferences/ Seminars organized bythe University and other relevant bodies to update their knowledge.

IQAC monitorsand ensures the suggestions received from the feedback regarding curriculum and are implementedconsidering the University syllabus by incorporation of content beyond syllabus.

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

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

Institute's IQAC mandates each Department to prepare Strategic Perspective Plan (SPP) in sync with theAcademic Calendar, provided by the affiliating University.

The SPP of all the Departments are consolidated by IQAC, to preparethe overall SPP of theinstitution and its deployment strategies for quality achievement, sustenance and enhancement.IQACensures SPP of the institution is in sync with the University Academic Calendar, including the conductionof Continuous Internal Evaluation (CIE) of the institution. It also provides an academic calendar that specifies the date of commencement, last working day for each semester along with the examination dates. The IQAC formulates the institute's calendar of events andsubmits the same to the Principal for approval. At the beginning of the academic session, the students areprovided with the Institute's calendar of events and the same is displayed on the Institute's website as wellas the notice boards. The Institute adheres to the academic calendar provided by the University for the conduct of SEE and CIE as per the VTU academic Calendar.The

HoDs monitor and review the implementation of the CIE schedule regarding the FormativeAssessment.The Formative assessment marks & attendance areregularly updated to the parents. The Project works are scheduled & carried out as per VTU norms.

Theuploading of Formative assessment marks isfollowed as per the schedule & directions of the University.The University Calendar and regulations detail the Semester End Exam (SEE), Project work evaluation,Practical/Lab exams, for the Summative Assessment.

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

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

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	View File

1.2 - Academic Flexibility

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

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

11

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

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

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

12

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

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

1361

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 IQAC mandates that curriculum teaching learning strategies integrate cross cutting issues like Gender Sensitization, Sustainability and Human Values & Professional Ethics.These courses build human values, empathy skills, law abiding attitude, environmental concerns and ability to extend a helping hand to the immediate community.

AIET has set up Committees/Clubs like Women Empowerment Cell, ROSTRUM – speaker's club and SRISHTI – nature club which provide a framework for both teachers and students to negotiate with the ideas like Gender equity, Environmental concerns and other graduate attributes. Institute encourages faculty and students to participate in events. The women empowerment cell conducts special lectures on gender, women's empowerment and prevention of sexual harassment related topics on various occasions.

Awareness among the stakeholders regarding the need to sustain and preserve environment. Shobhavana – herbal garden and Birds park in the campus maintained by the institute adds to the green ecosystem. NCC & NSS activities like Swachh-Mijar, Beach cleaning are aimed at creating awareness on environmental protection and ecological preservation.

To inculcate human values and ethics among the students, the institute has introduced various programs like Rostrum – a speaker's club , inspirational talks by eminent personalities like G.D.Bakshi (Retd Major General) , Mr. Prakash Belawadi , Mr. Tanveer Hasan etc., who have made a difference in the society

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

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

269

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

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

1200

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

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.4/Claim%20sheet%201.4.1%20.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.aiet.org.in/feedback-on-the-curriculum/

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 students admitted during the year

792

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

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

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

140

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

2.2 - Catering to Student Diversity

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

Alva’s Institute of Engineering and Technology considers that the learning abilities of the students are measured before the course commencement, to customize the teaching-learning strategies, to suit the need of the students. Often, the learning of a student is affected by different backgrounds viz., socio-economic, learning methods adopted in preceding school and peer group influences. Furthermore, influence of mother tongue and the rural-urban divide also play spoil sport. In this regard, institute makes efforts to evaluate the mixed abilities of the students and to establish a symbiotic bond between the teacher and the student to improve learning.

For the first year (I-II semester) students, performance of the student in qualifying examination, i.e. Pre-University examination are considered for categorizing them as Advanced Learners and Slow Learners.

FOR ADVANCED LEARNERS:

- **Nominated as Class representatives.**
- **Nurtured as student coordinators of Technical forums/ Value-added labs.**
- **Trained and encouraged to take up qualifying exams for higher studies and other competitive examinations.**
- **Encouraged to participate in associated organization activities**

FOR SLOW LEARNERS:

- **Coaching/ Crash Courses for the required subjects.**
- **Meetings are organized with parents of the slow learners**
- **Encouraged to participate in associated organization activities**

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

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

Number of Students	Number of Teachers
2272	140

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

Institute focuses on imparting technical knowledge which enhances critical thinking and gives scope for creative imagination among students. The institute follows the student centric methods for enhancing the learning experiences by implementing below mentioned learning methods viz.,

- **Experiential learning**
- **Participative learning**
- **Problem solving methodologies**

Experiential Learning:

The students are provided with the following types of learning mechanisms

Value added Labs

The students are tutored to conduct experiments and test the theoretical concepts that are learnt in classroom. The following value-added labs facilitates the students in experiential learning

- **Innovation & We to carry out interdisciplinary projects.**
- **Linux Lab to use open-source software for their projects.**

- **Apple iOS Lab to build iOS apps.**
- **e-Yantra Robotics to understand the applications of Robotics.**
- **MEMS Lab to assimilate microscale physics concepts and Micro-Electro- Mechanical-Systems (MEMS) applications.**
- **Envision for multifield prototyping and realization of ideas in project.**
- **CNC labs provides hands-on experience in the area of Computer Integrated Manufacturing.**

Library Resources

Industrial Visits

Student Internships

Participative Learning: Placement Related Learning and Technical Activities

Problem solving methodologies:To enhance the problem-solving methodologies, students are exposed to competitive events such as Hackathons and Consultancy Projects

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

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

AIET is committed to provide opportunities for both the teacher and the student to interact with the ICT to provide better and enhanced teaching-learning experience.

- **ICT Enabled Resources: Institute provides ICT enabled classrooms and seminar halls with internet connectivity.**
- **Concept Based Visual Learning Methods: The videos and physical working models are utilized for concept comprehension among students.**
- **Google Classroom: For sharing lecture materials, assignment submissions to enhance students learning skills by active involvement.**
- **Language lab: Facilitates a student to learn the English**

through interactive manner of learning experience.

- e-learning: Facilities to enhance the learning experience beyond the classroom through digital_platform.
- e-Shikshana -Where in contents delivered in real time by experienced faculties of affiliated institutes and an interactive session between teacher-student is facilitated.
- National Programme on Technology Enhanced Learning (NPTEL)- The students are encouraged to register to NPTEL courses and take up examination which awards them a certificate after completion of the course.
- Digital Library for self-learning: The digital library comprises of many e-resources viz., CD-ROM, NPTEL contents, e-journals on Knimbus etc. Teachers uses the above-mentioned digital resources for their day-to-day activities. Teachers and students utilize plagiarism software (TURNITIN) to publish technical review/research papers in journals/conferences.

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

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

112

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

140

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

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

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

39

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

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

2.4.3.1 - Total experience of full-time teachers

724

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

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and

mode. Write description within 200 words.

The Institution follows Internal Assessment methods as per the university guidelines and has made as a regular practice. The methods incorporated are transparent and robust in terms of frequency and mode. The Examination Committee initiates the process of CIE through notification in the beginning of the academic year.

Continuous Internal Evaluation (CIE) through Internal assessment

The internal assessment comprises of 3 Internal tests conducted periodically as indicated in the academic calendar suggested by VTU.

The Internal Test question papers and scheme of evaluation that are prepared as per Outcome Based Education (OBE) norms using Revised Blooms Taxonomy, are submitted to department IQAC for approval prior to the Internal Test.

Internal tests are conducted as per schedule and answer scripts are evaluated according to the scheme of evaluation. Students are allowed to view their answer scripts for clarification with concerned faculty to ensure transparency. In the event of unresolved issues, the students can escalate the matter to the Head of the Department (HoD).

Continuous Internal Evaluation (CIE) also take place through Assignments such as Subject seminars, Quiz's and Group presentations.

The assessment of final year projects is done at various phases such as Synopsis, Design, and Implementation & Deployment of the project.

File Description	Documents
Any additional information	View File
Link for additional information	NA

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

The Institute's IQAC has devised an efficient mechanism to resolve internal/external examination related grievances. After timely

evaluation of scripts of Internal Examinations per scheme of evaluation, the Course teacher discloses the allotment of marks to the respective students.

The students are allowed to go through evaluated answer script in presence of course teacher and resolve their grievances, if any. If above mentioned grievance is not resolved, student escalates the matter to HoD for fair outcome. In special cases, the students failing to take any of the internal test due to inevitable reasons, are allowed to raise the issue to the I.A coordinator of the department, HoD is to arrange for alternative.

Grievances related to other Internal Assessments (Assignments and Laboratory Assessments) The grievances related to other Internal Assessments viz., Assignments, Project work are similarly carried out as stated in above section, in transparent, time- bound and efficient manner. Institute is affiliated to University, thereby entire SEE process and also grievance resolving process rests with the same. The convener of Examination Committee i.e., Chief EMS coordinator acts merely as liaison officer, coordinating between Institute and the University to resolve External Examination (Semester End Examination –SEE) grievances in transparent, time-bound and efficient manner.

File Description	Documents
Any additional information	View File
Link for additional information	NA

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

The institute follows Outcome Based Education (OBE) system. The institute follows twelve pre-defined Programme Outcomes (POs) for UG and five POs for PG Program . In Addition to well defined POs, each department has minimum 2 and maximum 4 Program Specific Outcomes (PSOs) as defined at the departmental level.

Every course has 3-6 Course Outcomes (COs) and IQAC approves COs, CO-PO/ PSO mapping, levels of mapping, and the justification behind each mapping. The HoD of each program conducts awareness session on POs, PSOs to course handling teachers. The course teacher conducts PO/PSO & CO awareness session during regular

classes. The students are mandated to write and assimilate PO, PSOs and COs in their blue books, lab records, lab manuals, and assignment books of each course.

The institution uses Management Information System –MIS(ERP) education platform to state, display and communicate the COs, POs, PSOs, course wise mapping of COs with POs/ PSOs to Students and Faculties.

The COs are also communicated to students through Continuous Internal Evaluation (CIE) question papers Viz. Internal test question papers, assignment question papers wherein every question is mapped to relevant CO with Bloom's Taxonomy Levels.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	NA
Upload COs for all Programmes (exemplars from Glossary)	View File

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

The institute adopts Outcome Based Education (OBE). Program Coordinator of the each program validates the balanced CO-PO/PSO mapping matrix prepared by the Course teachers to complete the process of Mapping in every semester. Course teacher to frame 4-6 COs in respective Course and Module coordinator ensures proper mapping of COs with at least 2 or more POs/PSOs in accordance with potential of the course content.

The assessment of the COs involves Formative assessment tools (Internal tests, Assignment, Quiz, Seminar, etc.) and Summative assessment tool (Semester End Examination). Direct CO-PO/PSO attainment is calculated by allotting a weightage of minimum 50% each to attainment through Formative assessment and Summative assessment. Further, Course end surveys are conducted to obtain voice of students on attainment of COs and POs at the end of each semester for Indirect assessment.

Final attainment of each of the POs and PSOs are calculated by allotting a weightage of 90% to Direct attainment and weightage of

10% to Indirect attainment. The Module Coordinator and Department Advisory Board (DAB) suggests action points for continual improvement based on current attainment and the same is implemented by the Module coordinators, Course teachers of the respective subject in the next academic year.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	NA

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

493

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%202/2.6.3/2.6.3%20annual%20result%20report%20%202022-23.pdf

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://cloud.aiet.org.in/storage/NAAC/AQAR%20Criteria%202/2.7/2.7.1STUDENT%20SATISFACTION%20SURVEY.pdf

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)

98.675

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

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

15

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

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

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

5

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%203/3.1.3/Paste%20link%20to%20Funding%20Agency%20Website.pdf

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Alva's Institute of Engineering & Technology is committed to fostering an innovative and research-driven environment. With operational research centers, value-added labs, and an Entrepreneurship Development Cell, the institute actively aids faculty and student researchers through financial support, resulting in commendable outcomes.

As a part of its programs, the institution supports faculty members in pursuing advanced studies (PhD and Postdoc), cultivating a conducive research environment that facilitates scholars in publishing their scientific discoveries in respected national and international journals. Moreover, Principal Investigators of funded projects are entitled to a 10% research incentive as per the institution's policy (see Page 48, section 1.3 of the Service rule document).

Exceptional research centers and advanced labs such as Apple iOS, Innovation & We, Nano Organic Electronics, Earth’s Field NMR, and ACAR extend learning beyond syllabus. The Entrepreneurship Development Cell enhances entrepreneurial skills with startup and innovation initiatives.

The positive outcomes of the Innovation Ecosystem include students and faculty launching distinctive projects. The ACAR lab has notably contributed to eight patented developments, while the Innovation & We Lab has trained students in areas like web design and paper presentation competitions. Various value-added and

research labs have achieved publication success in national and international journals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%203/3.2.1/Supportive%20Documents.pdf

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

62

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

49

File Description	Documents
URL to the research page on HEI website	https://www.aiet.org.in/ph-d-guidance/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website

during the year

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

69

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

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

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

88

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

3.4 - Extension Activities

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

The institution's active units and wings, such as the YRC, NCC, NSS, and departmental forums, play a crucial role in instilling social consciousness and duties in students for their overall development.

The institution focuses on various extension activities with specific objectives. These include beach and river clean-ups, air and plastic pollution awareness campaigns, and pollution control.

Healthcare is another area of focus, with the institution organizing free health check-up camps for the impoverished and rural communities. Blood donation drives, awareness campaigns on organ donation, yoga, and other initiatives are also undertaken.

The institution works hard to reach out to people in rural areas

through programmes like pipe composting training and computer literacy programs. They engage in activities to help the impoverished. Institution also focus to promote government policies and programmes through various events that foster patriotism, historical awareness, and a deeper connection to the country.

Additionally, the institution arranges literary, cultural, and job fairs, providing students with opportunities to learn about community involvement and develop important skills and values.

Overall, the institution's focus on community engagement and social responsibility helps students develop strong values, leadership qualities, communication skills, and a sense of responsibility towards others.

File Description	Documents
Paste link for additional information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%203/3.4.1/Additonal%20Information%20-%203.4.1.pdf
Upload any additional information	View File

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

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

5

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

3.4.3 - 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

3.4.3.1 - 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

32

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

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

1583

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

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

42

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

22

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

- **Institute 45 class rooms and 42 curriculum laboratories by considering VTU Syllabus and AICTE norms.**
- **11 value added laboratory facilities to meet the needs of industries by focussing on the content beyond syllabus.**
- **Institute has one Auditorium with seating capacity of approximately 900 persons and 7 seminar halls to fulfil activities of the departments.**
- **Institute facilitates with 957 computers connected to network system.**
- **Library occupies total area of 1540 square-metre with seating capacity of 300 users. Over 26134 volumes and 48 journals are available. Library is automated with RFID**

system, barcode reader and automated circulation facility with OPAC. Digital-library is equipped with 11 PCs with Printer and Scanner. Library provides Mobile APP and remote access facilities beyond institution hours. Institute has 1:1 leased line internet along with Wi-Fi connection with 1000 Mbps bandwidth.

- Training & Placement Cell has 6 dedicated systems with LAN and Wi-Fi facility and printing facility.
- Institute has hostel facility for boys (capacity of 1205) and girls (capacity of 720).
- Institute is under the surveillance of 453 CCTV.
- Generators of capacity 365 KVA and 320 KVA have been installed and are maintained by in-house electricians.
- Solar grids are installed in the college roof for additional power generation.

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

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

For nurturing cultural and sports activities institute provides instruments and space for practice by the experts in the specified field.

For cultural programs, Auditorium, Open-air theatre having capacity to accommodate more than 1500 people, has been established in the campus. It is used to conduct programs such as college day, traditional day, departmental fests etc.

Sports Complex includes facility like Synthetic Athletic Track space for all field sports events viz., Javelin throw, Shot-put, Hammer throw, Discus throw, Jumps, etc. It also has a spacious playground for games like Basketball, Cricket, Football, Wrestling, Kabaddi, Kho-Kho, Throw ball, Badminton, Ball Badminton and Volleyball. Institution provides facilities for indoor games like Table-tennis, Caroms, and Chess.

Gymnasium with fitness centre has qualified trainers for Weight lifting, Power lifting and body building. Gym is well equipped

with all instruments required for the training and fitness.

Yoga practice by the trainers, is facilitated to both boys and girls separately in a spacious halls in the campus. The sports materials, cultural instruments, costumes, ornaments and other accessories of AEF are shared with the institute as and when required.

Cultural and sports teams have won many medals and championship at VTU level competitions.

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

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

52

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

1021.91

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

The mobilization of the resource for the library is done using fully automated ILMS.

Year of Automation: 2009

Name of the ILMS software: EASYLIB Web Version 6.4a

Nature of automation: Fully automated

Library is equipped with RFID technology, enables to issue, renewal of books, maintain the database of books, journals, periodicals and the data of students & faculty who utilize the library resources.

OPAC Module: New upgraded software helps students and faculty to view library collection. Further users can check information like book due details, transaction statements, and reservation of books etc. on campus or remotely.

More than 44,000 e-resources are made available for users from the various publishers in the Digital library. Institute subscribes to e-Journals, e-books through VTU consortium. The Knimbus platform provides remote access of e-resources to registered users of the institute and also users can access the e-resources through Mobile Application.

Links for e-resources available are,

1. Remote access of e- resources: https://aietm.knimbus.com/

2. e- resources on Mobile App: mLibrary (Google Play Store)

3. NPTEL video lectures: http://192.168.101.65/localguru

4. Online Public Access Catalogue (OPAC): http://aiet.easylib.net

Total Number of Volumes – 26134

Total Number of Titles – 8552

Total Number of Reference Books – 5393

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

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)	View File

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

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

18.38

File Description	Documents
Any additional information	No File Uploaded
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

293

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

The institution consistently updates its IT facilities to align with technological advancements as needed.

Recent IT Infrastructure Highlights:

- **Network Evolution:The institution has 957 computers with a sophisticated network, harmonizing both LAN and Wi-Fi for seamless connectivity.**
- **Cutting-Edge Desktops:In the current year, the institution made a technology leap by acquiring 275 i7 12th Gen desktops. These powerful systems boast 16GB of RAM, lightning-fast 512 SSDs, and expansive 22" monitors.**
- **Enhanced Efficiency:To further elevate performance and productivity, 10 i3 12th Gen systems were introduced, equipped with SSDs and 22" monitors.**
- **State-of-the-Art Acquisition:The previous year witnessed a forward-looking approach, with the acquisition of 200 state-of-the-art i5 12th Gen desktops. These machines come with a robust 16GB of RAM and swift 512 SSDs, setting new standards for performance and efficiency.**

IT Upgrades:

- **Regular hard disk upgrades with SSDs for enhanced performance.**
- **RAM capacity enhancements across various labs and departments.**

Software Updates:

- **Regular software updates through licensed and open-source subscriptions.**

Internet & Wi-Fi:

- **High-speed Internet facility with backup.**
- **223+ Wi-Fi access points for full campus coverage.**
- **Deployment of Sophos XG 450 Next Generation firewall for enhanced network security.**

Student Safety:

Installation of 453CCTV cameras in campus and hostels.

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

4.3.2 - Number of Computers

957

File Description	Documents
Upload any additional information	View File
List of Computers	View File

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

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

4.4 - Maintenance of Campus Infrastructure

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

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and

academic support facilities) excluding salary component during the year (INR in lakhs)

143.67

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.

Academic and hostel blocks are maintained by team of skilled people headed by administrative officer. Classrooms and other areas are cleaned on daily basis through an outsourced Housekeeping Agency.

A team of in-house maintenance comprising of electricians, plumbers, IT technicians working under Administrative Officer are deployed to monitor the maintenance activity of amenities.

Requirements of repairs and maintenance of laboratory equipment are maintained in breakdown/maintenance register and the stock books of the laboratory by the lab instructors. The maintenance of the Laboratory is done as per the SOP.

In the library obsolete books are removed from the stack and maintained separately in weed out section upon annual stock verification.

The PED and sports committee monitors and maintains sports facilities on need basis to conduct various sports events for students and staff members.

Institute-appointed campus-supervisor coordinates the transport section for utilization of the facility as per SOP.

All classrooms and seminar halls are equipped with projectors for quality teaching learning experience and are under the surveillance of CCTV cameras. A team of well-trained technicians will maintain the computers and network related issues in the

entire institute under the guidance of System Administrator.

The Institute strategically plans for the optimum utilization of existing infrastructure viz., computer labs, classrooms, Internet labs etc. and their resources by hosting different competitive exams.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

911

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

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

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

710

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.aiet.org.in/training-placement/#9
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

304

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

304

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

5.1.5 - The Institution has a transparent

A. All of the above

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

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

304

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	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

13

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

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

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

7

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	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.

70

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

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

The Institution encourages the students' participation in administration, curricular co-curricular and extra-curricular activities, by involving them to be the part of many committees. The Students' Council plays a major role in achieving this objective. The purpose of the Student Council (SC) is to provide programs, activities and services which serve the co-curricular, cultural, social, recreational and educational interest of students at the Institution. The institute maintains an excellent rapport with the student community. The students are inducted into the student association on selection basis. The opinions & views of the students are taken positively during informal meetings.

A notable bodies/committees that have student representation are as follows:

1. **Student Council**
2. **Class representative's committee**
3. **IQAC**
4. **Sports committee**
5. **Cultural committee**
6. **Department association (Forum)**

Student's involvement in various club activities such as:

v Rostrum: Speakers club

v Chirp: Bird watching club

v Image In: Photography club

Student’s involvement in value added labs such as:

v MEMS lab

v E-Yantra-Robotics lab

v Envision lab: Product development lab

v iOSApp development lab

File Description	Documents
Paste link for additional information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/criteria%20-5%20/5.3.2/link%20files/Any%20additional%20information.pdf
Upload any additional information	View File

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

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

130

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

5.4 - Alumni Engagement

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

Alva’s Institute of Engineering& Technology (AIET) Alumni Association remained as an active body and duly registered on DRDK/SOR/13/2021-2022. The members of the association are the representatives of diverse Alumnus gambit and are working professional from different streams of Engineering & Management namely CSE, ISE, ME, ECE & CV and post-graduate departments of MBA. The alumni meet is organized at least once in a year. The main objective of the alumni association is to create and maintain a lifelong connection between Institute and its Alumni. The integral task of the association to build an engaged membership base. Every year the students are requested to fill the feedback form before they receive their certificates. The data is collected, analysed and used for present &future initiatives of the institute. The Alumni Association has been functional as a significant contributing stakeholder in shaping the policies and overall development of the institute. Successful entrepreneurs, professionals and project team leaders from the alumni are invited to give a talk on their success stories. Our alumni have helped the department in placing the students to the Internship and project work and given a reference to the vacancies for the students.

File Description	Documents
Paste link for additional information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/criteria%20-5%20/5.4.1/claim%20sheet%20final.pdf
Upload any additional information	View File

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

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The governance of the institute is setup as below to ensure proper

functioning and accomplish the Mission, thereby achieve the Vision of the institute. Governing Council (GC) is headed by Dr. M Mohan Alva, Chairman, Alva's Education Foundation (AEF), Moodbidri. Principal of the institute serves as the Member Secretary of the GC. In addition to this, GC comprises eminent personalities from the society, Academicians, Faculty representatives, State Government & University representatives. Along with the GC, the administrative activities are supported by Finance and Purchase committees for the smooth conduction of all the academic and financial activities to meet the vision and mission of the institute Internal Quality Assurance Cell (IQAC) is chaired by Principal and is assisted by its members. Heads of Departments, Coordinators of various Committees and Cells prepare the plan (Curricular, Co-curricular & Extra-curricular activities) in line with the Vision & Mission of the institute as per the direction of IQAC. The IQAC ensures effective execution of teaching methodology of courses, maintenance of academic standards, and student welfare. This would bring transparency to the governance and inherently encourages participative management thereby aligning to the Vision & Mission of the institute.

File Description	Documents
Paste link for additional information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%206/6.1/6.1.1/6.1.1.pdf
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.

Alva's Institute of Engineering & Technology (AIET) has a decentralized and transparent process in management, administration, financial and academic affairs. Institute believes in delegating responsibilities from higher-level management to lower-level, which encourages management to concentrate on policy making and major decisions.

CASE STUDY

A case study on Organizing International Conference on Science & Technology at the institute demonstrating effective leadership through decentralization and participative management is given below. Dr. Manjunatha Kotari, Professor and Head, Department of

Computer Science and Engineering approached the IQAC of the institute with a proposal to organize an International Conference on Science & Technology by collaborating with premier academic institute, research Centre and Industries. AIET is committed towards fulfilling its Vision of Transformative Education by Pursuing Excellence in Engineering Education, through its Mission of inculcating research temperament among the individuals. In this regard, organizing Committee planned to organize an International Conference by involving employees of AIET, bearing in mind the sophisticated modality of the same, thereby sufficing the concept of decentralization of powers and participative management. Organizing Committee, in consultation with the conference partner – Mysuru University, finalized the theme and title of the conference as 2nd International conference on Data Analytics and Learning "IC-DAL -2022".

The Organizing Committee at leadership role steered "IC-DAL -2022", International Conference successfully by involving all its sub-committee through decentralization and participative management.

File Description	Documents
Paste link for additional information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%206/6.1/6.1.2/6.1.2.pdf
Upload any additional information	**No File Uploaded**

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Institute's Governing Council establishes the Strategic Planning Advisory Committee (SPAC) to craft the Strategic Perspective Plan (SPP), seeking input from stakeholders. SPAC envisions long-term goals for development: Autonomous College by 2024, Deemed-University by 2028, and Institution of Eminence by 2032. Aim to be a highly respected institution by 2032, emphasizing teaching, learning, sustained academic excellence, research, and global outreach. Emphasis on creating a sustainable, world-class infrastructure conducive to effective learning. Short-term goals include accreditation, industry-specific skill enhancement, international exposure, and fostering a green initiative, supporting faculty and student start-ups for a holistic developmental approach.

CASE STUDY: Successful implementation of Strategic Perspective Plan (SPP) on attaining NAAC accreditation

Alva's Institute proudly achieves an A+ grade in NAAC accreditation, reflecting our unwavering commitment to academic excellence. With a dedicated faculty and world-class infrastructure, we prioritize high academic standards and foster innovation. Our Strategic Planning Process (SPP) is geared towards achieving both NAAC and NBA accreditation by 2022, aligning with our broader vision of autonomy by 2024. This strategic focus underscores our commitment to global educational standards. Emphasizing transparent governance, effective leadership, and holistic student support, Alva's Institute stands as a beacon of excellence, driving innovation and transformation in education.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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.

Alva’s Institute of Engineering & Technology (AIET) affiliated to Visvesvaraya Technological University (VTU) approved by AICTE functions under the governance of Alva’s Education Foundation ® (AEF) Moodbidri, which has been serving as a trust registered under The Indian Trust Act- 1882. AIET was established in the year 2008 under the leadership of Chairman, Dr. M Mohan Alva. The Principal is the head of the institute for both academic and administrative affairs.

Academic & administrative setup is as follows:

Governing Council

- **Internal Quality Assurance Cell (IQAC)**
- **Finance Officer**
  - **Supporting staff**
- **Purchase Officer**
  - **Supporting staff**
- **Human Resource Office**

- Supporting staff
- Deans
- Head of departments
  - Teaching staffs
  - Non-Teaching staffs
- Administrative Officer
  - Academic & Examination section
  - Scholarship section
  - HR section Accounts section
  - Site Engineer
  - Stationery & stores
  - SWOs & Hostel staff
  - Security staff
  - Supporting staff
  - Campus Supervisor
    - Plumber
    - Electrician
    - Housekeeping
    - Gardening staff
- IT Administrator
  - IT Technician
- Training & Placement Head
  - Supporting staff
- Chief Librarian
  - Supporting staff
- Physical Director
  - Coaches
- Prevention of Sexual Harassment Cell (PoSH)
- Anti-Ragging Cell
- Grievance Redressal Cell (GRC)
- Women Empowerment Cell
- Entrepreneur Development Cell (EDC)
- Finance and Purchase Committee
- SC & ST Cell
- Counselling Centre
  - Counsellors
- Club coordinators
  - Members
- Student Council

File Description	Documents
Paste link for additional information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%206/6.2/6.2.2/6.2.2.pdf
Link to Organogram of the institution webpage	https://www.aiet.org.in/wp-content/uploads/2022/04/MANDATORY-DISCLOSURE_ALVAS_2022_APRIL.pdf#page=3
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	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

Alva’s institute of Engineering & Technology prioritizes staff welfare, believing that fostering innovation and creativity depends on the satisfaction and wellness of its dedicated teaching and non-teaching members.

Welfare measures for teaching and non-teaching staff:

Responsibility allowance: Additional allowance for HoDs, Deans, Placement head & leads and EMS coordinator etc. are given by the institute.

Leaves: Earned leaves (EL), Casual leavesare (CL), Maternity

leaves and Semester End Vacation aregiven to staff as per prevailing rules and regulations of the Institute.

Fee concession: The children of staffs are partially supported by giving a concession in tuition fee, studying in AEF group of institution. Sponsorship for higher studies: Faculty members pursuing higher educationare sponsored in terms of finance & leaves.

Research Incentives: A special allowance such as academic & research allowance are given to faculty with PhD and Principal Investigator of any funded project are entitled for 10% of research grant received as research incentive.

Sponsorship for knowledge up-gradation: Faculty members are sponsored for attending FDP, workshops, seminar, and conferences. The registration fee amount and TA/DA is provided by the institute.

Provident fund (PF) & ESI: provided for teaching & non-teaching staff as per provisions of the Government of India.

File Description	Documents
Paste link for additional information	Nil
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

7

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by

the institution for teaching and non-teaching staff during the year

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

5

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

34

File Description	Documents
IQAC report summary	View File
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 has developed robust performance management system through appraisals specifically designed for teaching & non-teaching staff considering academic and non-academic performances. The student feedback is considered as other dimension for the appraisal system.

Every year faculty members are mandated to fill the appraisal form and submit the same to HoD. The appraisal form comprises of following criteria, Students' performance in respective course handled by the faculty. Academic credentials, Experience (BOE, BOS, paper setting, teaching, Industry etc.) Contribution of individual faculty to the growth of Department (Forum coordination, event organized, consultancy etc.) Institute (Coordination of Institute/AEF level events/activities) Faculty's contribution to Innovation, Research & Developmental activities including seminars attended, paper presentations, attending workshops, FDPs, Guest talks, Research grants received etc. Student Feedback on the faculty (end of each semester). Appraisal system for non-teaching staff Non-teaching staff like the Office staff, Lab technicians & support staff are given an appraisal form comprising of following indicators such as Professional competence, Performance, Personal Characteristics and rated on 5-point scale. The personal appraisals are submitted to HoD/AO for evaluation and further evaluated by Principal. Action plan: Principal shall discuss outcome of appraisal with faculty and staff whenever necessary, to provide constructive feedback of individuals, to give scope for improvement. Promoting and encouraging faculty to attend the faculty development programs (FDP) related to effective teaching methodologies. Based on their performance, faculty are given additional or special allowance/Promotion.

File Description	Documents
Paste link for additional information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%206/6.3/6.3.5/6.3.5.pdf
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

The auditing process is done at two levels which are described as follows:

Internal audit

The IQAC chairman communicates a request for appointing an internal auditor to GC. The GC appointed internal auditor conducts the audits and submits the report to the IQAC Chairman (Principal). During the audit if any discrepancies are reported as Non-Conformity (NC) or audit objections. The Principal reviews the internal audit report with the Accounts/ Finance officer and it will be rectified. Further the IQAC Chairman submits the compliance report against the audit objections raised during internal audit to GC.

External audit

The GC appointed external auditor conducts the audit of the Institute as per audit standards. The IQAC Chairman initiates the external audit process by sending a requisition for the same to GC. The internal audit report is shared with an external auditor. During the audit if any discrepancies are reported as Non-Conformity (NC) or audit objections, as a part of the process, these objections are discussed with the IQAC Chairman and FO. After due clarifications & rectifications, the accounts will be finalized and audited Income & Expenditure statements are reported along with the audit report. The audit report is filed in the Income-Tax Department.

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)

0.15

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

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

AIETis a self-financed institution affiliated to Visvesvaraya Technological University (VTU) under AICTE. The major part of the funds required by the institution is being met out of internal generation from fees collected from students. Apart from the fund generated through fee, the institute also receives funds from other sources viz., Grants, Sponsorships, Consultancy, optimum utilization of existing resources etc. The IQAC monitors mobilization & optimal utilization of funds in an efficient and effective manner. The mobilized resources are utilized for infrastructural development of the Institute, Human resources, Research & Development and developing teaching learning process.

- **The Institute strategically plans for the optimum utilization of existing infrastructure and resources. Institute is recognized as Examination center for different competitive exams by the National Testing Agency (NTA) under MHRD. Following Entrance/ Recruitment exams viz., ACCA, JAIIB, IIBF, KVPY, UGC-NET, CAIIB, JEE, BEC, Pondicherry Entrance Exam, CDAC, MTS, SSLR, NEET PG, KPTCL, SSB, CMAT/GPAT & MESCOM are conducted to generate the revenue.**
- **Institute extends expertise for third party verification of Government Projects as a part of Consultancy. Further, research facilities are extended to other institutes on a pay-per-use basis.**

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

IQAC is instrumental in signing various MoU's with institutions, industries, corporate houses etc. as a result; various collaborative activities are taken up for the benefit of the students & faculty.

Best Practice -1

Experiential learning initiatives through MOU's & Academic collaborations

Besides optimal utilization of institutional setup, the institute ensures strengthening of research culture through collaborations, and Internship programs every year.. The Institute offers certificate programs and add-on courses based on the stakeholder's interest to fill the curriculum gap between industry and academia.

Best practice 2: Ecosystem for innovations through Value added R & D labs Institute has created an ecosystem for Innovation and Research. The institution has functional Research centers and Value-added Labs. The institution makes all positive efforts to nurture innovation ecosystems and to cultivate research environment

Research labs VTU recognised research centres and value-added labs of the institute augment to the research ecosystem. The value added labs cater the students of the institute with experiential and participative learning pertaining to content beyond syllabus. Some value added labs are:

- **Apple iOS Lab**
- **Innovation & We lab**
- **E-Yantra Robotics lab**
- **ACAR (Alva's Centre for Advanced Research)**
- **Edwin's Linux Lab**

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

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

Response:

Institute has set up an IQAC and through it, has taken quality enhancement initiatives in the academic and administrative domains & successfully implemented during these years. IQAC's initiatives have led to incremental improvement in quality of the same. IQAC deploys plan–do–check–act cycle for continual quality improvement.

Attainment of OBE is calculated as per National Board of Accreditation (NBA) guidelines as mandated by IQAC. NBA has accredited two of institute's programs to acknowledge best OBE practice of IQAC.

IQAC has led to significant improvement in Self-learning facility that is, in library. It is upgraded with RFID, OPAC, discussion room, and computers for accessing digital contents, increment in e-subscriptions has been carried out.

There has been substantial improvement in the number of students benefited through scholarships.

Following table lists out the incremental improvements

Sl.no

Facility

2021-2022

2022-23

1.

Number of full time teachers with Ph.D.

25

39

1.

Final year University Exam Results

94.42%

97.77%

2.

Grants received from various Govt. agencies

0.57

68.2 Lakhs

3.

Annual expenditure for purchase of e-journals year-wise(INR in Lakhs)

16.61

18.38

4.

No. of computers

912

951

5.

Number of students benefited by scholarships and freeships provided by the Institute

516

710

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

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.aiet.org.in/wp-content/uploads/2023/12/Annual-report-2022-23.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Alva’s Institute of Engineering and Technology (AIET) aims at providing gender equity in the campus through various programs. Electronic Surveillance systems in all prominent points of campus, good illumination facility in the campus, transportation facility for girls during late evening hours, restrooms with sanitary pad dispenser with incinerator facilities, securities stationed at hostels, caretakers such wardens at girls and boys hostels, visitors log book etc are practiced in the institute in order to create safe and conducive environment for students. Further, onsite dispensary with medical officer provides first aid medical needs for both students and staff. 24 x 7 transportation facility is provided to help needy to commute to Alva’s Health Centre (AHC), Moodbidri in case of medical emergency. AIET provides necessary counseling facility for students on need basis through professional counselors. Institute has well-defined mentoring system to support students emotionally and academically to enhance their academic performance to achieve goals. The employees of AIET

can avail the Day-care Centre for their children provided by Alva’s Education Foundation (AEF). Institute has active Woman empowerment Cell, which regularly hosts programs like Self-defense training, women’s day celebration, stress management training etc. Prevention of Sexual Harassment Committee ensures incident free campus.

File Description	Documents
Annual gender sensitization action plan	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%207/7.1.1/Gender%20sensitization%20action%20plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%207/7.1.1/7.1.1%20%20Safety%20security%20any%20other%20relevant%20info.pdf

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

A. 4 or All 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

The color coded Green, Blue and Yellow separate bins are provided in the appropriate places of campus to collect degradable (blue), non-degradable (green) and E- wastes separately (Yellow). Non-degradable waste such as Plastics if any is separated from dry waste bins before disposal. The degradable waste is composted. The plastic waste is collected by an agency (A2 Associates) time to time and through Gram Panchayat, Puthige, Moodbidri for non-degradable plastic waste management. The food waste generated in the Cafeteria and Hostels managed by an outsourced certified

agency operating at Moodbidri. The institution strives to minimize the plastic use in the campus through proper awareness and by keeping caution boards at appropriate places. The treatment the liquid effluents from Hostels and Academic blocks consists of holding the sewage in quiescent basins where heavy solids can settle to the bottom, while the liquid is discharged to another tank for chemical treatment. The treated water is then utilized for gardening in the campus of AIET and adjoining coconut farmland. The sludge from the tank is removed periodically by an external agency. E-waste is handled by M/s Cerebra Integrated Technologies Ltd, Bangalore and M/s Sogo Synergy Pvt. Ltd, Bangalore, which collects the non-repairable e-wastes.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

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

7.1.5 - Green campus initiatives include

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

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	**A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

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

AIET performs following activities for creating inclusive environment:

- **Alva’s VIRASAT- Cultural integration event is held every year, which comprises of classical music concerts and a variety of folk-dance performance. Renowned artists of national & international repute are invited to perform. During December 2022, as AEF got a unique opportunity to host a mega event International Cultural Jamboree.**
- **Alva’s NUDISIRI - Regional literary festival which is celebrated every year to showcase the regional literary talents through invited speeches from eminent scholars who speak on the areas which are urgent and subtle. The celebration is clubbed with book exhibition and cultural activities.**
- **Traditional day at AIET, showcases the state-wise cultural events, such as Mohini-Attam from Kerala, the Festival of Manipur “Ningol-Chakoba” and events of Manipuri origin viz., Maibi dance, Stick-dance, Dasa-avatar, Kabui dance and also Garba dance from Gujarat etc.**
- **Kannada , Tulu and Sanskrit Club activities furnish platform for students to inculcate linguistic values from the cultural and regional practices of Karnataka and richness of language Sanskrit.**
- **Deepavali, Christmas & Ifthar Koota Celebrations: Through these celebrations, the institute upholds the religious harmony.**
- **Independence day and Republic day Celebrations: The large gathering of students during these national festivals, showcases the national integrity.**

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

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

During beginning of academic year, AIET organizes orientation sessions for employees on Constitution of India in order to make the employees aware of the essence of our constitution highlighting information like justice, liberty, equality, right to profession, right to education, directive principles, fundamental duties and responsibilities of citizens, human values and professional ethics. As a part of the University curriculum, Constitution of India and Professional Ethics (CIPE) is taught as a course for students to sensitize them towards legal literacy, roles and responsibilities of an individual, professional and engineering ethics, and constitutional provisions etc. Besides, the speaker's club of the institute Rostrum, creates platform for students and staff for sensitizing about Moral Values, Life Skills and Citizen's responsibilities through lectures from renowned speakers. Independence Day and Republic Day are celebrated in order to remind the students and staff about sacrifice of freedom fighters, objectives of constitution, human rights etc through the invited talks from armed force personnel, civil administrative officials and law enforcement officials. The, activities conducted under NSS and NCC of the institute such as Beach Cleaning, Village cleaning (under Swatchh Bharath Abhiyan program), Blood donation camps etc make the students aware about environment and individual responsibilities.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.aiet.org.in/clubs-activities/rostrum/
Any other relevant information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%207/7.1.9/Any%20relavant%20info.pdf

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	View File
Any other relevant information	View File

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

AIET celebrates National and International commemorative days, events and festivals with a view to promote patriotism, communal harmony, inclusiveness and spirit of unity in diversity such as,Independence Day, Republic Day, Teacher’s Day and Engineer’s Day. International commemorative day viz. Women’s Day to commemorate the cultural, political, and socioeconomic achievements of women. Further, the institution also celebrates festivals like Deepavali, Christmas and Ifthar Koota to reflect communal harmony. These festivals are observed to nurture the spirit of nationalism and national integration. On Independence Day on 15th August and Republic Day on 26th January, eminent personalities are invited to motivate the student and staff and thus promote national integrity. Further, Teacher's Day and Engineer’s Day are also celebrated to mark the respect to legendary teacher Sri. Sarvapalli Radhakrishnan and great engineer Sir M Visvesvaraya. Institute celebrates Kannada Rajyotsava on 1st November, a day that is celebrated across Karnataka by Kannadigas to commemorate the merging of all the Kannada language-speaking

regions of India. The festivals celebrated in the campus such as Deepavali, Ifthar and Christmas promote communal harmony.

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

7.2 - Best Practices

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

Best Practice 1

AIET Social Outreach Program- Societal connecting activities of the institute.

Institute believes in instilling social responsibility among the students through various social outreach programs such as-

The salient initiatives viz., KALIYONA COMPUTER (Computer literacy program), Toilet Construction for rural schools (Hygiene & Sanitization), AMSA and AGAMYA (Charity event), VARISTA KREEDAKOOTA (Traditional Games), KESARD ONJI DINA (technical interaction with farmers through monsoon games) resulted , “CAMPAIGN ON DIGITAL PAYMENTS”- an awareness activity for local community ,“ENVIRONMENT AND HEALTH AWARENESS – Initiatives towards clean local environment”, under which NSS and NCC.

Best Practice 2:

Alva’s PRAGATI – Mega Open Placement drive, a one of a kind, cause driven placement initiative in the State, organized under the banner of Alva’s Education Foundation (AEF). Alva’s PRAGATI is committed to create job opportunities for not only for Alva’s students and but also for rural youth of this region & other parts of the Karnataka. Employers from IT, Automobile, Manufacturing, Banking, Finance, Insurance, Health & Pharmaceutical, Tourism and

Social welfare participate. Aspirants with varied profile(s) viz., ITI, Diploma, UG & PG degree holders of all streams participate. Alva’s PRAGATI model was recognized by the Government of Karnataka.

File Description	Documents
Best practices in the Institutional website	https://www.aiet.org.in/best-practices/
Any other relevant information	https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%207/7.2.1/7.2.1%20Claim%20sheet%20with%20index%20(1).pdf

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

COMPREHENSIVE HOLISTIC GROWTH ECOSYSTEM:

Introduction

The prime focus of the institution is to ensure the students get transformed into technically sound engineers with additional qualities of skills, human values, society & environmental concern. The institution strongly believes in holistic development of an individual as its thrust area of interest and in this regard is committed to put highest efforts and intends to stand distinct in the society. Further, the institution makes sure to provide all necessary infrastructure and conducive environment in the campus to support its priority. The institute ensures that right from beginning of first year to till the end of the final year; the students undergo multitude activities along with the regular University curriculum, which will help them for comprehensive growth. Sports and Culture is also given utmost prominence. The activities like internships, workshops, technical talks, industrial site visits give opportunity for experintical learning.

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

7.3.2 - Plan of action for the next academic year

AIET believes on the holistic growth of students. Along with curricular knowledge, emphasis is placed on imparting different components such as skill training, human values, ethics, societal concern, harmony, sports, and culture in order to develop responsible citizens. Furthermore, a favorable environment for outcome-based education, experiential learning, placement skill enhancement, and academic cooperation with reputable organizations is built in the campus. Following the recent NAAC accreditation with an A+ rating, AIET plans to transition to Autonomy status in the academic year 2024-25. In this regard, all preparations have been completed. UGC has already granted autonomy approval, but the University's approval is awaited. The IQAC of AIET guarantees that the syllabus is designed and implemented in accordance with the NEP and current requirements in consultation with stake holders and maintain the quality of education in incremental order.