YEARLY STATUS REPORT - 2023-2024

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	naac@aiet.org.in
• Address	ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY, Shobhavana Campus, Mijar, Moodbidri - 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)	https://www.aiet.org.in/wp-content/uploads/2023/12/Final-Submitted-AQAR-2022-23-report.pdf	
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/2024/12/Calendar-of-Events-2023-24-Odd-and-Even-Sem.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	12/12/2015
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,	

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Institutional/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
AIET/CSE/Mr Prasanth Kumar	Government	KSCST, Karnataka	2023-24	Rs 5000
AIET/CSE/Mr. Giridhar Gowda, Mrs. Vidya	Government	KSCST, Karnataka	2023-24	Rs 5000
AIET/CSE/Mr. Mahesh Kini, Mrs. Vidya	Government	KSCST, Karnataka	2023-24	Rs 5000
AIET/CSE/Dr. G. Srinivasn	Government	KSCST, Karnataka	2023-24	Rs 5000
AIET/ISE/Dr. Pradeep V	Government	KSCST, Karnataka	2023-24	Rs 9000
AIET/ISE/Prof. Jayanthkumar A. Rathod	Government	KSCST, Karnataka	2023-24	Rs 5000
AIET/ISE/Ms. Lolakshi P.K	Government	KSCST, Karnataka	2023-24	Rs 4000
AIET/MEC/Mr. Deepak Kothari	Government	KSCST, Karnataka	2023-24	Rs 6000
AIET/MEC/Mr. Sharathchandra Prabhu	Government	KSCST, Karnataka	2023-24	Rs 6000
AIET/AIML/Prof. Harish Kunder	Government	KSCST, Karnataka	2023-24	Rs16,000
AIET/AIML/Dr. Ramesh G.	Government	KSCST, Karnataka	2023-24	Rs 5000
AIET/AIML/Prof. Shrikanth N. G.	Government	KSCST, Karnataka	2023-24	Rs 5000

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AIET/CV/Dr.H.G Umeshchandra	Government	KSCST, Karnataka	2023-24	Rs 5000
AIET/CV/Prof. SURENDRA P.	Government	KSCST, Karnataka	2023-24	Rs 5000
AIET/CV/Prof. SHANKARGIRI K. S.	Government	KSCST, Karnataka	2023-24	Rs 6000
AIET/ECE/Bha gyasree	Government	KSCST, Karnataka	2023-24	Rs 7000
AIET/ECE/Dr. D V Manjunatha	Government	KSCST, Karnataka	2023-24	Rs 5000
AIET/ECE/Vij etha T S	Government	KSCST, Karnataka	2023-24	Rs 6000
AIET/MEC/Dr. Gurushanth B Vaggar	Government	IIC-YUKTI - MIC Scheme	2023-24	Rs 5 Lakhs
AIET/MEC/Dr. Kumar Swamy M C and Prof. Srinivas C S	Non Government	BETA CAE System India Pvt Ltd., Bangalore	2023-24	Rs10.64 Lakhs
AIET/PHY/Dr. S.D Gupta , Dr. Pradeep,Dr. Jayarama A , Dr. Richard Pinto	Government	DST-SERB-CRG	2023-24	Rs 51.20 Lakhs
AIET/PHY/Dr. Jayarama ,Dr. Richard Pinto	Government	VTU-RGS	2021-24	Rs 5 Lakhs
AIET/PHY/MEC /Dr. Satyanarayan	Government	VTU-RGS	2021-24	Rs 12 Lakhs

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, Dr. Jayarama				
AIET//MEC/CPRI/Dr. Satyanarayan,Dr.M G Ananda Kumar	Government	CPRI-RSOP	2023-24	Rs 62.30 Lakhs
AIET/CSE/Dr. Chandra Naik	NON-Government	IEEE STEM	2023-24	Rs 37,0000
AIET/ECE/Dr. Guruprasad	Government	NAIN-KITS	2023-24	Rs 3.50 Lakhs
AIET/PHY/Dr. Jayaram	Government	NAIN-KITS	2023-24	Rs 1.75 Lakhs
AIET/AG/Dr. Shashi Kumar	Government	NAIN-KITS	2023-24	Rs 1.50 Lakhs
AIET/PHY/Dr. Jayaram	Government	NAIN-KITS	2023-24	Rs 1.75 Lakhs
AIET/AG/Dr. Raju	Government	NAIN-KITS	2023-24	Rs 1.60 Lakhs
AIET/ECE/ISE /Dr. Dattatreya/Prof. Pradeep Nayak	Government	NAIN-KITS	2023-24	Rs 1.60 Lakhs
AIET/CSE/Dr. Madhusudhan	Government	NAIN-KITS	2023-24	Rs 80,000
AIET/MEC/Prof. Sharathchandra Prabhu	Government	NAIN-KITS	2023-24	Rs 1 Lakh

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	4	

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• 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)

• In alignment with the NEP implementation, AIET emphasizes integrated courses, industry internships, and ability enhancement programs to promote holistic student development. • To enhance strategic curriculum development, IQAC-led initiatives focus on addressing curriculum gaps, incorporating innovative pedagogical approaches, and utilizing ERP-driven proctoring to improve teaching-learning outcomes. • To bridge the industry-academia gap, the institution has introduced skill development programs, project-based learning, and value-added courses to ensure academic knowledge aligns with industry requirements. • Faculty development programs, along with technical and expert talks, are regularly organized to foster domain-specific expertise and innovative teaching methodologies. • With a strong focus on research, funding, and patents, AIET has secured autonomous status from 2024-25 to 2034-35, approved by UGC, VTU, and the Government of Karnataka.

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

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Plan of Action	Achievements/Outcomes
• Aims to Harness the young talent and innovative potential of upcoming professionals by value-added courses, skill development programs, and project-based learning.	• The incorporation of value-added courses, skill development programs, and project-based learning aims to harness the talent and innovative potential of upcoming professionals. This approach equips students with the techno-managerial skills required to thrive in today's dynamic environment, making them more industry-ready and ensuring quality placements and successful career paths.
• Initiation of Research and Development activities	• The Institute R and D cell actively trains faculty and research scholars in writing research articles and publishing them in reputed journals, ensuring high-quality publications. It also provides guidance on writing successful funding proposals. As a result, faculty members have published good number of research papers in prestigious journals and conferences, while the institution has secured funding from national agencies, organizations, and universities.
• Conduction of AIET - IPR Cell activities	• The AIET - IPR Cell fosters the creation and growth of intellectual property by supporting research-driven innovations and implementing relevant procedures and policies. Through workshops, seminars, expert talks, debates and discussions, it ensures that faculty and student projects are successfully patented.
• Organize IQAC events in collaboration with the EDC	• The events, IQAC has organized in collaboration with the EDC

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	inspired the students to explore the importance of design thinking, innovation, systematic innovation, entrepreneurship, and start-ups. By guiding them through the various phases of the design thinking process, students were able to recognize the significance of innovation and develop design ideas using different techniques, ultimately fostering student entrepreneurship and the creation of start-ups.
• Organize the Women Empowerment Cell activities for Female Faculty and Students	• The activities organised by the Women Empowerment Cell for the both Female faculty and students gained valuable solutions for managing emotional imbalances and received practical insights to help design a healthier lifestyle. The sessions also provided students with knowledge on addressing social media harassment and bullying, a critical issue in student life. All faculty members were educated on the importance of physical, mental, social, and spiritual health, as well as self-defence, to promote overall well-being. Additionally, the faculty were encouraged to cultivate awareness of meditation and yoga for holistic health.
• Actively encourage the students to participate in cultural and sports events at inter-college and university levels.	• The institute actively promotes participation of students in cultural and sports events at both inter-college and university levels, fostering talent, teamwork, and a spirit of healthy competition among

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	students. As a result, students have achieved significant success, earning the title of champions in various sports and cultural activities through their enthusiastic involvement.
• Active participation in the annual Institution Innovation Council (IIC) activities	• Active participation in the Institution Innovation Council (IIC) annual meet led to AIET winning first prize in the poster competition during the IIC annual meet 2023-24 held at KLE University, Hubli. Additionally, AIET secured ?5 lakhs under the YUKTI innovation scheme for innovation and product development. This recognition highlights the institution's dedication to fostering innovation and cultivating a culture of creativity.
• To organize Alva's Pragati, a Corporate Social Responsibility (CSR) initiative by Alva's Education Foundation, aimed at fostering industry-academia collaboration and creating opportunities for students' professional growth.	• Alva's Pragati, a CSR initiative by Alva's Education Foundation, has been dedicated to creating job opportunities for rural youth for over a decade. Our meticulously organized mass placement drives are tailored to meet the needs of participating companies. Completely free of charge for both job seekers and firms, Alva's Pragati has directly benefited many aspirants through its events, including Udyogamela, held at various locations.
13.Whether the AQAR was placed before statutory body?	Yes
• Name of the statutory body	

Name	Date of meeting(s)
Governing Council (GC)	19/07/2024

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2023-24	28/02/2024

15. Multidisciplinary / interdisciplinary

·   The institution integrates innovation and design thinking into the curriculum through engineering exploration, engaging multidisciplinary student groups to foster diverse ideas, prototypes, and projects. AIET has also established an international MoU with Kumamoto University, Japan, to promote multidisciplinary research and faculty exchange programs. Additionally, the institution hosts professional and cultural clubs on campus, with student members from various branches, encouraging multidisciplinary activities and collaboration. ·   The institution has incorporated Universal Human Values (UHV) and Biology for Engineers into the curriculum, ensuring the integration of humanities and science. Basic science courses emphasize project-based learning through mini-projects, posters, papers, and exhibitions. The institution promotes innovation in basic science programs by encouraging the development of ideas, prototypes, and patents, supported by technical clubs on campus. These initiatives are further enhanced by the MBA department, which integrates science, technology, and management activities through events such as ideathons, project competitions, exhibitions, poster presentations, technical quizzes, coding challenges, and business model prototypes. ·   The institution has adopted credit-based courses and projects that emphasize community-based work and services, including social connect activities, AICTE initiatives, mini-projects, and major projects. It integrates environmental studies, values-based education in management and entrepreneurship, and courses like Internet of Things, Scientific Foundations of Health, and Universal Human Values. A multidisciplinary approach is fostered through cultural and technical student clubs at the institutional level. The institution also ensures social, environmental, and community engagement through value-based mini and major projects, along with extracurricular events, promoting a holistic learning experience. ·   NSS units and core branches under Social Connect Activities are engaged in taking societal issues providing solutions and Institution ensures through research collaboration associating

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with New Age Innovation Networks (NAIN) scheme, Hackathons and Skill India portal proposing solutions to the societal projects. Institution ensures solutions to social issues and gender specific activities. · The institution has established various technical and cultural clubs for students across all streams, with student members organizing events to foster a multidisciplinary approach. It encourages multidisciplinary and interdisciplinary learning through open electives offered by various departments, as well as through students' multidisciplinary projects, skill training programs, and internships provided by various research organization in house/outside companies. Additionally, students are encouraged to pursue MOOC courses in diverse multidisciplinary fields.

16. Academic bank of credits (ABC):

Initiatives taken by the institution to fulfil the requirement of Academic bank of credits (ABC) - · Organizing awareness programs on the Academic Bank of Credits for both faculty and students, in alignment with university directives. · Conducting sessions on ABC, as well as multiple entry and exit options, in accordance with VTU regulations. The institute will fully implement ABC once the university introduces it. · Faculty members are regularly trained through immersion programs focusing on Outcome-Based Education (OBE), curriculum development, and innovative pedagogical practices. ·

17. Skill development:

The efforts made by the institution to strengthen the vocational education and soft skills of students - · The institution actively promotes online internships, MOOCs, NPTEL, AICTE courses, and industry certifications, and has initiated soft skill training for students across all semesters on campus. · Functional MOUs with industry partners have been established to provide industry-backed skill training aimed at addressing identified gaps. Internship skill training is integrated into the syllabus for all branches. · Value-based education is incorporated through courses like Constitution of India, Professional Ethics, Universal Human Values, and AICTE activity points. Mini-projects addressing social issues are designed and executed within the course, while social responsibility is emphasized through a social connectivity course in the curriculum. · MOUs with industries across departments provide additional courses, internships, technical sessions, projects, and training for both faculty and students. · A comprehensive skill enhancement program has been introduced for all departments. Students' existing and required skill sets are identified through an aspiration form, and skill

enhancement courses for the 3rd to 6th semesters are developed to align with industry requirements. These courses run throughout the semester, and their outcomes are assessed through student projects.
· NSS, NCC, cultural clubs, the Entrepreneurship Development Cell, and technical clubs play a key role in fostering communication skills, leadership abilities, community engagement, and scientific thinking among students. · Industry-oriented laboratories have been set up by the ECE, Mechanical, and CSE and allied departments, offering workshops and training programs to enhance technical skills and bridge the gap between industry and academia.
· Each department identifies key thrust areas and tailors its course content to meet industry needs, with a strong emphasis on hands-on sessions and project implementation. This approach enhances students' analytical skills, problem-solving abilities, and their capacity to develop solutions to real-world challenges. · Training programs aimed at improving soft skills such as communication, teamwork, and presentation abilities are regularly conducted. Students also benefit from various clubs, including sports, technical, cultural, and social clubs, which contribute to their holistic development. · Soft skills are further cultivated through class activities like seminars, mini-project presentations, group discussions, case study presentations, and debates.

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

· The institute celebrates diversity and cultural events throughout the year, promoting unity among students. Festivals such as Dussehra, Deepavali, Christmas, Iftar during Ramadan, and Onam are celebrated, fostering cultural harmony. On Kannada Rajyotsava, held on November 1st, students and staff don traditional Karnataka attire, participating in events that honor the state's rich heritage. · Most of the faculty of AIET are well versed in Kannada and Tulu as their mother tongue. Many of them can speak and communicate with neighboring state languages namely: Telugu, malayalum, Tamil, Marathi, and Hindi · Aligned with the VTU curriculum framework, the Indian Knowledge System is integrated through mandatory credit courses such as Samskrutika Kannada/Balake Kannada (I year), Constitution of India and Professional Ethics (I year), Universal Human Values-II, and NSS/Yoga/PE credit courses (offered as electives in the 5th and 6th semesters). · International Yoga Day is celebrated annually, emphasizing the health benefits of yoga. Experts lead demonstrations of key asanas, which students and faculty actively participate in. · The Women Empowerment Cell organizes workshops on topics such as self-

defense techniques, stress management, work-life balance, mental and physical health, women entrepreneurship, and self-esteem building, guided by external experts. · The integration of Indian art and culture is encouraged through active participation in cultural events both on and off campus, facilitated by cultural clubs. Inter-departmental and cultural fests provide a platform for students to showcase their talents, creating a dynamic and engaging environment. · The institution organizes Alva's Traditional Day - This annual extravaganza is celebrated to bring out the best practices of the various regions of the country and different languages. It celebrates Literature, Fine Arts, Theatre, Indian classical dance, classical singing, music and exhibitions of various themes are performed by students of our own institution. · These initiatives reflect the institution's commitment to cultural enrichment, holistic education, and gender empowerment, contributing to a well-rounded educational experience for all.

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

· The institution strictly adheres to VTU regulations for UG and PG programs, emphasizing Outcome-Based Education (OBE) and the Choice-Based Credit System (CBCS). AIET meticulously follows VTU curriculum guidelines while aligning with National Board of Accreditation (NBA) norms in developing Program Educational Outcomes (PEOs), Program Specific Outcomes (PSOs), and Course Outcomes (COs). · The curriculum incorporates COs for theory, laboratory work, mini projects, and main projects, ensuring their alignment with Program Outcomes (POs). Faculty members rigorously pursue these outcomes to ensure academic excellence. · The assessment framework, which includes Continuous Internal Evaluation (CIE), is further supported by laboratory sessions, projects, and internships. This comprehensive evaluation process meets NBA criteria, ensuring a thorough assessment of graduate attributes. · We evaluate COs, POs, and PSOs using Bloom's Taxonomy. A systematic process calculates attainment through continuous internal assessments, creative evaluations, and semester-end exams, mapping them to both course and program outcomes. This approach quantifies both direct and indirect attainment, essential for calculating program outcomes in line with NBA standards. · The institution has received NBA accreditation for two of the programs (CSE & ECE) recognizing the implementation of OBE practices across all teaching levels, including continuous internal evaluations and semester-end examinations. Faculty members receive regular training to effectively implement OBE. Further in the current year Institute is applying for NBA accreditation for two more programs (One UG-ISE & one PG-MBA program). On succesful implementation of OBE, institute

has received Autonomous status from UGC. •   Moreover, each department conducts skill enhancement programs aimed at bridging the gap between academic learning and industry demands, ensuring that students are equipped with the skills needed for successful careers and meaningful contributions to society.

20.Distance education/online education:

The institution is actively exploring opportunities to offer vocational courses through online and distance education. Currently, initiatives are in place encouraging faculty and students to enroll in MOOC courses that align with the existing curriculum. • Pedagogical methods such as role play, collaborative learning, brainstorming, think-pair-share, case studies, and flipped classrooms are integrated into course delivery. Both theory and practical courses leverage modern tools in classrooms and laboratories, with ICT resources like YouTube, MOOC videos, and simulation models being used for enhanced teaching. • Faculty and students are encouraged to participate in MOOC courses, with a requirement that each faculty member completes at least one MOOC course. Additionally, students are mandated to complete one course per semester as part of a creative assessment to improve skills in their specialization and promote interdisciplinary learning. • Institute has an active Academic collabration with leading institutes like IIIT Allahabad and reputed companies like Infosys, Wipro, NVidia, Salesforce etc. where in our students undertake online courses regularly • Strategic Plan Goal 1: Enhance the effectiveness of the teaching-learning process. Goal 2: Develop and implement ICT-enabled, learner-centric teaching methods. Goal 3: Establish a robust Continuous Internal Quality Assurance System at every level. Goal 4: Strengthen Industry-Institute Interaction, Incubation, and Entrepreneurship activities. Goal 5: Foster and promote Research & Consultancy initiatives. Goal 6: Enhance student learning experiences and skill development programs. Goal 7: Strengthen alumni engagement and interaction. Goal 8: Deepen societal engagement and promote green initiatives. Goal 9: Formulate and implement Institutional Development Plans (IDPs) to improve the overall quality and excellence of the institution.

Extended Profile

1.Programme

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

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