

YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution	Institute of Aeronautical Engineering
<ul style="list-style-type: none"> • Name of the Head of the institution • Designation • Does the institution function from its own campus? 	<p>Dr. L V Narasimha Prasad</p> <p>Principal and Professor of CSE Department</p> <p>Yes</p>
<ul style="list-style-type: none"> • Phone No. of the Principal • Alternate phone No. • Mobile No. (Principal) • Registered e-mail ID (Principal) • Address • City/Town • State/UT • Pin Code 	<p>04029705852</p> <p>9703618753</p> <p>9490182900</p> <p>principal@iare.ac.in</p> <p>Institute of Aeronautical Engineering Dundigal, Hyderabad - 500 043, Telangana, India.</p> <p>Hyderabad</p> <p>Telangana</p> <p>500043</p>
2.Institutional status	
<ul style="list-style-type: none"> • Autonomous Status (Provide the date of conferment of Autonomy) • Type of Institution 	<p>13/10/2015</p> <p>Co-education</p>

- Location **Rural**
- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. Sridhar Patthi**
- Phone No. **04029705853**
- Mobile No: **8886023000**
- IQAC e-mail ID **dean-iqac@@iare.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

https://www.iare.ac.in/sites/default/files/AQAR_2020-2021.pdf

4.Was the Academic Calendar prepared for that year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://www.iare.ac.in/?q=pages/iare-academic-calendar>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.05	2015	15/11/2015	31/12/2022

6.Date of Establishment of IQAC

05/12/2015

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Institute / Department	Poverty Alleviation and Upliftment of Tribal Woman through Mechanized Manufacturing of Traditional Ornaments and Household Products	DST	02/03/2020	16310000

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9. No. of IQAC meetings held during the year 04

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10. Did IQAC receive funding from any 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)

- Focus on organizing International / National, Regional and State

level Seminars, Conference, workshops, faculty development programs, trainings etc. which are participated by renowned academicians from the country and abroad, faculty and others from all over the country

- Catalyst for Research, Innovation & Publication: Revising & improving the guidelines/ criteria for seed money grant and enhancement of the total fund allocation.
- Continuous focus on improving teaching-learning infrastructure and ICT equipment's and their maintenance for quality enhancement
- Preparedness for implementation of NEP 2020
- Started the process of systematic Data Capture to enable the institute to prepare for various accreditation bodies and aim for complete computerization of all academic and administrative work including the admission process.
- Constantly trying to develop better student mentoring system (Darpan and Jaan Pehchan), conduct Student Satisfaction Survey, systematic and concerted efforts for entrepreneurship,
- Promoting environmental consciousness and Green Campus campaign, promoting student's participation in co-curricular and other activities that impart leadership training and universal values.

12. Plan of action chalked out by IQAC at 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
Enhancing Academic Performance	Academic inputs like lecture notes, predefined alternative assessment tools and model question papers are provided to students for enhancing their academic performance. In addition to this, Akanksha Learning Management Portal is made available to the students.
Increasing placements of students	Various placement activities for improving personality and employability are undertaken. The activities include mock Interviews, group discussion, resume building sessions, quantitative aptitude, communication skills, time and stress management sessions.
Enhancing Research Orientation	Research Paper publications: FDPs on Research Methodology for providing Knowledge of

	<p>statistical tools are provided for faculty for carrying out research. Sessions on effective paper writing was also conducted. These activities helped the faculty members in writing and publishing papers in the various conferences/seminars/ journals. Through research and project based laboratories, students are encouraged to opt for developing research based projects on latest aspects and correspondingly write and present research papers.</p>
<p>Enhancing Resource Management through Application Software.</p>	<p>The institute has developed inhouse ERP modules to manage various administrative, academic and finance resources. Under this, initiative has been taken to develop a common data base on all aspects related to students, faculty, staff and other governance related activities.</p>
<p>Increasing exposure to real life corporate problems</p>	<p>Internships and industrial visits, various live projects are undertaken by the students in consultation with faculties. Summer Internship projects have provided them an insight into the challenges of the corporate world. Students are taken for Industrial visits conducted to help them to understand the practical implications associated to the theoretical aspects. Industry institute Interface committee provides an insight into the latest developments / challenges faced by corporate through interactions with corporate personnel by way of conducting</p>

	<p>guest lectures, workshops, seminars, conferences and various collaborative activities etc.</p>
Quality enhancement & sustenance	<p>Various committees are formed to provide holistic growth to the students. The committees are responsible for conducting curricular, co-curricular and extra-curricular activities and progress on all these activities are monitored regularly. Session on latest topics, workshops, value added courses, social responsibility initiatives, NSS and Eco-friendly activities are conducted throughout the year. Apart from this, innovative measures are adopted for providing real life practical exposure by encouraging the students to work in a team on inter disciplinary projects. Various group of MBA students have worked on Digital Marketing platforms.</p>
Providing Guidance for Entrepreneurship	<p>Technology innovation and incubation centre has been established in the institute with MSME and TBI. Sessions, Workshops, Guest lectures and EDC activities, competitions are regularly held to provide an insight to the students regarding existing opportunities to work as entrepreneurs.</p>
Image Building and Increasing Visibility and Brand Name of the Institution	<p>Outreach and Accreditation activities: With the execution of various committees in order to increase its visibility and enhancing its image, activities throughout the academic session and its extensive coverage on the institutes website and</p>

social media sites are conducted and used. Various initiatives have also been taken to improve the brand name of the institution. These include: (i) Providing quality education supported by guest lectures/workshops eminent personnel both from academia and industry. (ii) Conducting national and international Seminars/Conferences (iii) Conducting inter /intra college curricular / cocurricular/extra-curricular activities for students. (iv) Placement of students in top MNC companies through campus placement activities. (v) Participating in accreditation and assessment processes

13. Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
12th Governing body meeting	07/05/2022

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A**Data of the Institution**

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• Name of the Head of the institution	Dr. L V Narasimha Prasad
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- Name of the statutory body

Name of the statutory body	Date of meeting(s)
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14. Was the institutional data submitted to AISHE ?

Yes

- Year

Year	Date of Submission
2021-2022	15/02/2023

15. Multidisciplinary / interdisciplinary

Education is fundamental for achieving full human potential, developing an equitable society, and promoting national development. National Education Policy-2020 (NEP-2020) places emphasis on the development of the creative potential of each individual. It is based on the principle that education must develop not only cognitive capacities, such as critical thinking and problem solving - but also social, ethical, and emotional capacities and dispositions.

The NEP-2020 envisages a learner centric educational system with an opportunity to learn multiple courses and programs and provides a globally competent educational system. It transforms the existing higher educational system into a creative, innovative, and research-oriented system.

- The NEP has given the institution an opportunity to reimagine, rethink, and reinvent the education that it is offering.
- The Institution is offering minor and honours degree programs in emerging areas which allows students to explore another discipline.
- The Institution is implementing the AICTE-LITE program in web application development for 543 registered students that support the Salient Policy Goals of NEP-2020.
- The curriculum is enriched with a sufficient number of open electives to provide students with a well-rounded multi-disciplinary education and to customize their experience
- The B. Tech Program Course Structure is embedded with a transversal of courses in Science, Technology, Engineering, and Mathematics and are taught to develop creativity, critical & logical thinking skills in a student.
- B.Tech Curriculum consists of project-based learning (PBL) as a part of experiential education where students are asked to work practically on projects.
- Technology Innovation Centre is established to foster a spirit of imagination and collaboration and transform ideas into products of a multidisciplinary nature.
- Established the Technology Business Incubation (TBI) with more than 1 crore funding from MSME for nurturing of Ideas in order to promote emerging technological and knowledge based innovative ventures.

16. Academic bank of credits (ABC):

The Academic Bank of Credits (ABC) has been designed to facilitate the academic mobility of students with the freedom to study across Higher Education Institutions (HEIs) in the country with an appropriate "credit transfer" mechanism from one program to another, leading to the attainment of a Degree, Diploma, PG-diploma, etc.

The ABC scheme has the provision of creating a digital infrastructure that will store the academic credits earned by the students of various higher education institutes within the country. The ABC is responsible for opening, closing, and verifying the individual academic accounts of students. It is also responsible for gathering the academic credits earned by the students from their respective higher education institutions, verifying the credits, storing the credits, transferring or redeeming such credits, and promote them as and when required among its stakeholders.

- The institution IARE has already registered under ABC to facilitate easy credit transfer via digital mode for the students of IARE beginning with the academic year 2022-23.
- IARE has active and seamless collaboration with the Indian and foreign universities towards promoting research, and student and faculty exchange. The institute need to enable credit transfer in near future.

17.Skill development:

India needs to build innovative and advanced skills and go beyond automation, computers, and electronics to become an Atmanirbhar Bharat and a true "knowledge-based economy". Skill development is a significant driver of poverty reduction by improving employability and inclusive growth.

IARE has established a "Careers Development Centre (CDC)" to equip students with better skills, including life skills, problem-solving skills, critical thinking, scientific vigor, etc. to meet the challenges of the times ahead.

The Careers and Employability Skills Training (CEST) is a unique and dedicated program under the "Careers Development Center". This program makes engineering students more employable by exposing them to newer technologies and problem-solving methodologies. CEST fosters critical thinking in the students by combining Industry and Academia resources in skill building programs such as Skill Bridge and Skill UP.

- Virtusa and EPAM have established Centres of Excellence (COE) for skill enhancement in the academic year 2021-22.
- Tech Mahindra COE has been established in the academic year 2022-23
- M/S MTE Industries and Design labs of Autodesk have developed an industry support laboratory.
- Industry-Institute Interaction Center of IARE facilitates student for industry projects.
- Engaging the services of industry veterans and master Crafts persons to provide vocational skills and overcome gaps vis-à-vis trained faculty provisions.
- IARE has active collaborations with foreign universities for student exchange for global skills acquisition.
- Center for Learning and Educational Technologies (CLET) of IARE designed and teach five experiential learning courses to develop new skills through doing rather than reading.

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

The goal of the Indian education system is to instil among the learners a deep-rooted pride in being Indian, not only in thought, but also in spirit, intellect, and deeds, as well as to develop knowledge, skills, values, and dispositions that support responsible commitment to human rights, sustainable development, and global well-being, thereby reflecting a truly global citizen. In this regard, IARE sets the standards for multidisciplinary teaching with a focus on Indian culture and philosophy.

- The Institute has introduced a mandatory course on 'Indian traditional knowledge", "Constitution of India", "Human Values and Professional Ethics" at the undergraduate and post graduate level.
- Activities related to Indian dance, music, fine arts, and performing arts are conducted through various student clubs that infuse Indian culture and tradition among the learners.
- Students and faculty members are encouraged to complete on line courses on yoga, life skills, and Indian culture.
- The institute organizes various activities for the students and give impetus to the students to take part in a variety of cultural and scientific programmes. Other than creating engineers, the goal of the institute is to make good Indian citizens.
- IARE celebrates national and international commemorative days, events and festivals to promote unity, integrity,

harmony and effective socialization and relationship among the students and staff of the institution

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

In India, the employability of graduates is a great challenge for the nation, as 65% of the population is below the age of 35 years. Globalization has brought a clear shift in education from the transmission of expert knowledge to education as building learner competencies.

That means the focus will have to be on understanding the fundamentals very well, and learning new skills/competencies that would enable individuals to cope with the demands of a rapidly changing workplace. The institutions have to prepare global engineers who will have to solve problems and shoulder challenges that are unknown today.

IARE is implementing Outcome Based Education to stimulate the quality of teaching and learning, self-evaluation, and accountability in the education system.

The institution first determines the desired outcomes for each program it offers based on institution Vision and Mission and then the program curriculum, teaching and learning methodologies and required facilities are designed to support the intended outcomes.

IARE as an autonomous institute, adopted flexible outcome-based curricula for all programs offering and creating new possibilities for higher-order thinking capacities, problem-solving abilities, and life-long learning. The curriculum is also updated every two years to meet the expectations of the stakeholders

Teaching and learning activities are designed to facilitate students to achieve the outcomes. The success of Teaching and learning is based on evidences from the attainment results and student learning experiences. Periodic reviews of the evidences by the OBE committee are done for continuous improvement of programme quality, and appropriate measures are taken to bridge the gap by conducting guest lectures, organizing design challenges, and Modelling and Experimental Tools (METE) project expos etc.

Evaluation of Student Learning Outcomes (ESLO) is a computing

tool developed internally by the institute for measuring the Course Outcome, Program outcomes and Program Specific Outcomes. It supports both direct and indirect assessment methods.

Through Akanksha's Learning Management Portal, IARE supports learning to improve competencies from anywhere, at any time.

20.Distance education/online education:

- A Centre for Education and Learning Technologies has been established to enhance the quality in teaching and learning process.
- IARE is maintaining a YouTube channel on which recorded lectures are available for the benefit of the students.
- Akanksha a LMS Portal is available for the students on which digital content of various forms of lectures is posted time to time.
- Students and faculty are encouraged to complete the on-line certifications through SWAYAM/NPTEL, etc
- Guest Lectures and workshops are organized on line/offline and blended mode also.

Extended Profile

1.Programme

1.1 18

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 5108

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1225

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

5090

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

674

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

299

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 18

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 5108

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1225

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 5090

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1 674

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	299
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	300
Number of sanctioned posts for the year:	
4.Institution	
4.1	504
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	80
Total number of Classrooms and Seminar halls	
4.3	1780
Total number of computers on campus for academic purposes	
4.4	1645.16
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The courses like Essence of Indian Traditional Knowledge, Professional Ethics and Human Values, Gender Sensitivity, Entrepreneurship etc. and Experiential Engineering Education (ExEED) are introduced for start-up / entrepreneurship culture among the students, which are facilitated through incubation centres at IARE.

Local & Regional: Institute ensures that the curriculum will addresses the needs of the society and has relevance to the local, regional and national developmental needs through the mandatory courses. It is introduced to imbibe moral values, ethics and create awareness about social responsibilities among the students by understanding the needs of the society. Digital Learning Hub, an initiative by Telangana Stateto 4 lakh students across 1500 institutions of higher education at free of cost in the state. All the institutions in Telangana have mandated this course for appropriate credits. It covers ample number of topics that enhances the employability quotient of the student at global par. **National & Global:**The institute has Introucedvarious new programs in Data Science, Cyber Security, Artificial Intelligenceand Machine Learning, and other fields to meet national and global significant sustainability. Graduates' competence will improve as a result. Economic expansion will be facilitated through courses aligned with the country's national purpose of "Make-in-India".

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://iare.ac.in/NAAC/SSR/c1/1.1.1_Additional_Information.pdf

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

7

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

608

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

402

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

18

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Many cross-cutting issues are also informally covered

during special events like blood donation camp, tree plantation, Swachh Bharat Abhiyan, Save Trees Awareness Program, World Environment Day, etc. The institute curriculum effectively integrates cross-cutting issues relevant to gender, environment and sustainability, human values and professional ethics and leads to a strong value-based holistic development of students. Various activities are organized throughout the year as part of the curriculum that help in this endeavor. The institute has prescribed few courses for all engineering programs relevant to gender, environment and sustainability, human values and professional ethics, in its curriculum.

Gender Sensitivity: Gender related courses are an integral component of various programs. Students are sensitized and encouraged to work towards gender equity from a cross-cultural perspective. Institute annually organizes seminars, conferences, guest lectures, exhibitions, street plays and literary activities that help in gender sensitization.

1. Environment and Sustainability: Institute's strong community orientated work culture is based on the sustainable way of life, that involves integration of water quality, air quality and healthcare, innovation and human values.

2. Human Values and Professional Ethics: The curriculum has the following compulsory courses in programs specially focused on the development of human values and professional ethics:

3. Cultural Education

4. Research Methodology and IPR

5. Rural Development

6. Social Service

7. Co-curricular Activities

8. Environment Studies

9. Disaster Management

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

38

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

4443

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

4146

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://iare.ac.in/NAAC/SSR/c1/1.4.1_Student_Feedback_Report_2021-22.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://iare.ac.in/NAAC/SSR/c1/1.4.1_Student_Feedback_Report_2021-22.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1399

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

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

728

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 students' learning levels and organises special programmes for both slow and advanced learners.

The Institute provides learning opportunities at various levels based on students' performance in continuous internal assessments. After identifying the gaps, a few bridge courses are held for the benefit of slow learners. As part of the regular teaching learning process, remedial classes for slow learners are held. Advanced students are given tasks to help them improve their critical thinking skills. E-learning materials containing video lectures and lecture notes are provided for the benefit of slow learners, allowing them to learn at their own pace. Advanced learners are encouraged to practice on various coding platforms, MOOCs, and are also permitted to participate in a Full Semester Internship.

The initiatives for the support of slow learners:

- Skill Bridge Program: A specially designed courses for job guarantee are conducted.

<https://www.iare.ac.in/?q=pages/skillbridge-program>

- Remedial classes: After completion of CIA - I, students with less than 50% marks in the courses are identified in each section and considered as slow learners.

Initiatives to encourage advanced learners:

- Skill-Up Program: A specially designed employability courses to achieve high impact jobs.
- Accelerator Courses: Students with CGPA of 7.5 or higher are encouraged to take up any one additional course of the next higher semester as decided by head of the department.
- A full semester internship leading to research publication.

- **GRE/GATE/Competitive exams: Special counselling will be given, and classes will be held separately.**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iare.ac.in/NAAC/SSR/c2/2.2.1_Slow_Learners_Advanced_Leraners_2021-22.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/04/2022	5108	299

File Description	Documents
Upload 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:

IARE engages students in active learning that demonstrates the relevance and importance of academic work in their daily lives and career choices. The philosophy of bringing books to life and books to life is made a regular practise in the Institute, which increases students' understanding of the class subject. The curriculum is well-designed to help students develop critical thinking and problem-solving skills.

Participatory learning the learners are involved as actively in the learning process as possible. We conduct activities or events that will help the learner achieve the specified objective or desired outcome. We conduct METE Expo, CONCOCT Expo students get opportunity to gain professional skills. also gain a deeper understanding of the practical knowledge. Students are involves building an implicit understanding of knowledge and the context collaboration learning.

Web reference:

<https://www.flickr.com/photos/186282793@N05/albums/7217772029978>

1506

We encourage the students to develop multidisciplinary product, IARE- Technology Innovation and Incubation Centre mission is to support Innovators through the product design and development journey. We offer a variety of design and fabrication services to prototype and iterate your product idea before scaling up production.

Experiential Engineering Education:

Technology Innovation and Incubation Centre (TIIC) plays vital role in experiential learning (eXL), which was started in the year 2016. The ministry of MSME has sanctioned technology business incubator (TBI) with a grant of 92.47 lakhs to procure plant and machinery towards smart manufacturing sectors.

Web references:

<https://www.iare.ac.in/?q=pages/experiential-learning-exl>

<https://www.flickr.com/photos/186282793@N05/albums/72177720302249188>

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://www.iare.ac.in/?q=pages/experiential-learning-exl

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

IARE being a digitally empowered institution, equipped with smart classrooms providing hundred percent multimedia experience to the students. With a view to develop e-content learning resources for the students studying engineering, the Learning Management Portal - AKANKSHA has been started. AKANKSHA provides an integrated platform and launch portal for online (web based) courses, using information and communication technology (ICT). It also covers skill development, skill enhancement and employability courses to ensure that every student benefits from learning material through IARE e-Learning / Early Learning Readiness Videos (ELRV), Akanksha, the e-Learning Content

Management Portal.

Teachers use ICT to deliver classroom lectures, demonstrate and conduct laboratory experiments, and manage and administer courses and classes. During the lectures, softcopies of the books listed on the syllabus are used. In order to better understand a circuit or program, simulation software and compilers may be used in the classroom. Animations and visualizations are used to demonstrate the operation of a component, a circuit, or a process.

IARE has a YouTube Channel, where one can access various videos. Our directory lists 4000+ video lectures made by our distinguished faculty in 75+ subject areas.

Each course includes a full set of ELRV produced in high-quality video accompanied by other instructional material as Course Description, Syllabus, Lecture notes, Concept Video Topics, Tech Talk Topics, Open Ended Experiments / Problems / Project Ideas, Tutorial Question Bank, Definitions and Terminology, Model Question Papers and Previous Examination Question Papers.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.iare.ac.in/?q=pages/ictfacilities
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues**2.3.3.1 - Number of mentors**

284

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The Institute prepares and follows a well-planned academic calendar that includes the number of instructional days, the assessment plan, the start and end of the academic session, and the examination schedule. A minimum of 90 instructional days, or 16 weeks, are planned for each semester, excluding continuous assessments and examinations. Academic council approves the academic calendar, which is then posted on the institute's website. National commemorative days are also observed on the academic calendar.

Before the start of the semester, the department head meets with all staff. The course allotment is done by the department head, and the teaching plan - schedule of instruction for each course - is prepared in CMS Portal by individual course faculty in accordance with the department event calendar.

IARE adheres to a well-defined teaching plan that is aligned with Outcomes Based Education (OBE). The faculty will prepare a holistic course plan that includes course prerequisites, objectives, course outcomes, a teaching plan, an articulation matrix, and a mapping of course outcomes to program outcomes and will submit it for necessary reviews and approvals.

The detailed academic calendars are available at:

<https://www.iare.ac.in/?q=pages/iare-academic-calendar>

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

299

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

102

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

3.23

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

8.4

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0.25

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

IT integration is an integral part of IARE culture. The complete examination process from scheduling to result declaration are IT enabled. The weightage for traditional examination and alternative assessment as a part of CIE is the major reform in our examination system. 20% weightage is given to traditional CIA which is pen and paper based. The written manuscripts are scanned and digitally uploaded in the CMS, which are digitally evaluated by the faculty.

Key reforms in IT integration of Examination Procedures

- Auditing of the question papers and the answer scripts are done.
- The answers scripts are coded to prevent disclosure of identity of students.
- Scheme of evaluation along with solutions are made available to the examiners prior to the commencement of evaluation for unbiased and transparent evaluation.
- Online correction is processed through intranet for security reasons.
- IT integration has resulted in marks data entry as well as

timely declaration of results.

- Institute uses in-house software (Akanksha Campus Management System) developed and maintained by institute team for evaluation and publishing results.

Provision for revaluation, retotalling and access to answer scripts is through ICT integration.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/eexamdesk

2.6 - Student Performance and Learning Outcomes

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

IARE has adopted Outcome Based Education (OBE) as a part of its curriculum development and teaching learning process. All the PEOs/POs/PSOs/COs are published on the Institute Website.

An awareness of OBE along with the expected outcomes are discussed in student orientation programme, faculty meetings, alumni/parent meetings, etc. The entire newly joined faculty are thoroughly inducted to OBE through intensive induction programme. An OBE booklet is uploaded on the institute website which can be accessed by the faculty / students and other stack holders to get the necessary information needed for the concerned person. Action taken reports on the attainment of Course outcomes and Program outcomes along with continuous improvement process are also made available to the stakeholders through Institute's website. Evaluation of the students learning outcomes (ESLO) is a platform developed internally to assess and evaluate the attainment of the learning outcomes of the students and their progress during each semester and also on completion of the programme. This platform provides course wise outcomes and mapping of the POs/PSOs/COs.

OBEprocess manual

<https://www.iare.ac.in/?q=pages/outcome-based-education-ece>

Educational Objectives, Outcomes;

<https://www.iare.ac.in/?q=pages/ece-educational-objectives-outcomes>

Sample course description booklets:

<https://iare.ac.in/?q=pages/course-outcomes-description-booklets-ece>

Sample course outcome's attainment and action taken report:

<https://iare.ac.in/?q=pages/course-outcomes-cos-attainment-ece>

Sample program outcomes attainment and action taken report:

<https://iare.ac.in/?q=pages/program-outcomes-pos-attainment-ece>

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://www.iare.ac.in/?q=pages/obe-course-attainments-ae-r16-2017

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The Institute has built an effective user-friendly system for tracking the achievement of Course outcomes (COs), Program outcomes (POs), and Program specific outcomes (PSOs). The Institute has developed a systematic process for collecting and analysing data needed to calculate PO/PSO/CO attainments.

Evaluation of Student Learning Outcomes (ESLO) is a software platform developed internally to assess and evaluate students' attainment of learning outcomes and progress during each semester as well as program completion. This platform provides course-specific outcomes as well as their mapping to POs/PSOs.

The outcome attainment process is described below:

1. Course outcomes will be attained through direct and indirect methods with 80% and 20% weightages respectively.
2. Course direct assessment include marks obtained in two Continuous Internal Examinations (Theory / Practical), Alternative Assessment Tool (AAT), and SEE.
3. Course indirect assessment includes feedback (course exit survey) of students on the framed questionnaires at the completion of course on the scale of 5.
4. POs/PSOs are also attained through direct and indirect assessment methods with 80% and 20% weightages respectively.
5. In direct assessment of POs/PSOs, the Course Outcome attainments are mapped to appropriate POs/PSOs through course - program articulation matrices in a weighted manner. All the courses of the Program are considered for POs/PSOs attainment. Weighted averages are used to calculate POs/PSOs as given in respective course descriptions.
6. Indirect Assessment of POs/PSOs is cumulated from program exit (10%), alumni (5%) and employer survey (5%) which are taken at scheduled intervals.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://iare.ac.in/?q=Student-Centric-Learning

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1184

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://iare.ac.in/NAAC/SSR/c2/2.6.3_Additional_Information.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://www.iare.ac.in/sites/default/files/NAAC/student_satisfaction_survey_report_2021-2022.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

IARE has taken a quantum leap into Research and Development initiatives in recent years, constantly encouraging faculty and students for out-of-the-box thinking and generating new and revolutionary ideas to bring about societal change. IARE is devoted to enhancing knowledge through research across all academic disciplines. The departments of CSE, ECE, and ME of the Institute are recognized as research centers under JNTUH, Hyderabad.

As a result of Institute's efforts to promote research culture, the institute has 14 funded research projects totalling Rs. 510.59 lakhs, 161 utility patents published, 44 design patents granted, 11 utility patents granted, 25 copyrights, 13 technology transfers to industries, 15 commercialized IPRs, and about 120 student publications to its credit. The institute's Webometric research data include 1138 Scopus-indexed articles, 387 Web of Science-indexed publications, 50 publications in each of the Q1 and Q2 journals, an h-Index of 26, an i10 Index of 120, and a total citation count of 4281.

The Institute's Research Advisory Committee and Research Ethics Committee actively monitor the progress of research activities on a regular basis. All Institute faculty research profiles are accessible on the INFLIBNET IRINS portal. Policies such as IPR and Research Promotion Policy regulate the Institute's research activities.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://iare.ac.in/sites/default/files/Policies/IARE_Research_Promotion_Policy.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

15.11

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

2

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

24.04

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

11

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://iare.ac.in/?q=pages/research-projects
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

2

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

8

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://iare.ac.in/?q=pages/research-supervisors
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Compassion on Innovation is the goal and spirit of IARE. The institute ascertains the belief in the stakeholders through a vibrant eco-system for innovations, creation and transfer of knowledge. Technology Innovation and Incubation Centre, Science and Technology Start-Up Enclave, MSME ASPIRE – TBI Centre, Makerspace, and Community Innovation Centre are just a few of the institute's many centres with exceptional state-of-the-art research facilities. The institute spends a significant amount of money on research and development.

The Institute's efforts in these areas are reflected in its participation in the ARIIA rankings, which are detailed below.

- Categorized as 'Band Excellent' institution in category of 'Private or Self-Financed College/Institutes' in ARIIA – 2021.
- Categorized as 'Band B' institution (rank between 26-50) in category of 'Private or Self-Financed

College/Institutes' in ARIIA - 2020.

- Established Institution's Innovation Council (IIC) - An initiative of Ministry of Education (2018) and rated 4/5 star during 2022.

IARE established Technology Business Incubator (TBI) centre in the year 2019 with the support of Ministry of Micro, Small and Medium Enterprises (MSME) under A Scheme for Promotion of Innovation, Rural Industry & Entrepreneurship. The TBI centre is located in the premises of institute with a built-up area of 6414 sft.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=Technology_Incubation_Incubation_Centre

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

31

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

8

File Description	Documents
URL to the research page on HEI website	https://iare.ac.in/?q=pages/research-supervisors
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

198

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

55

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iare.ac.in/?q=pages/rd-paper-publications

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

1203

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

26

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

1.58

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

1.6

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Compassion for Community is one of the seven dimensions of IARE that make it a truly holistic learning environment. Mandatory value-added courses in major areas such as human values, gender sensitivity, professional ethics and environmental studies, energy from waste, and so on have been introduced as part of the students' holistic development. Periodically, guest lectures/workshops are organized for students by inviting experts from outside to raise awareness about social issues such as,

- Plastic waste management
- Child sexual and drug abuse
- Drunk and drive
- Breast cancer and HIV awareness campaigns
- Road safety and traffic regulations etc.

The institution has a recognized NSS unit with active student members involved in social service activities.

Apart from such activities, a number of awareness programs, such as International White Cane Day, International Yoga Day, Science Awareness Fair and Exhibition at MJPTBCW Residential Boys School, Awareness Program on National Needs for Rural India, HIV Awareness Program, Program on Human Values, Creating Awareness about Effects of Plastics in Villages, Program on Developing Safety Driving Skills, have been organized. Also conducting cancer awareness programs, drunk driving prevention programs, child abuse prevention programs, nature awareness and science achievements programs, and road safety programs for the benefit of neighbourhood community.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=extension-activities

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

134

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

17

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2875

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

211

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

25

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

The Institute has cutting-edge infrastructure to support teaching-learning and research activities. The institute spans 17 acres and has a total built-up area of 3,65,700 square feet. With six academic buildings housing 67 smart classrooms, a central library, two ICT studio rooms, one media centre, one A/V centre, three flipped classrooms, four conference rooms, two seminar halls, one central board room, seven departmental board rooms, one auditorium, ten research laboratories, four industry supported laboratories, 94 academic laboratories, a science and technology start-up park, a technology innovation and incubation centre, an open-air amphitheatre, makerspace, and community facilitation center for women, and center for development of skill and employability. There is campus-wide networking with 1Gbps internet connectivity, Wi-Fi, and CCTV. All programs share common central computing facility, which include 300 computers and three engineering workshops. All classrooms have LED display panels for interactive teaching and multimedia experiences. Smart boards are also available in the flipped classrooms, conference rooms, and seminar halls.

1800 desktop computers, 9 workstation servers on campus and 6 cloud-based AWS servers, Shophos XG 310 Firewall, 103 printers, 150 webcams, 26 scanners, and 250 headphones are among the computing facility available. 533 fibre access devices, 188 data switches, 62 Wi-Fi access points, and 256 KVA UPS power backup are available as support infrastructure. Students can access a 1000 mbps leased line with high-speed internet.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/building-area

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

To ensure students' holistic development, the IARE curriculum is integrated with a variety of co-curricular and extra-curricular activities. The Institute has the latest facilities for student activities, including cultural activities, indoor games, and a yoga center.

A 3000 sft. Student Activity Centre is available for various activities such as dance, music, drama, and so on. Students use this centre for practise on a regular basis and attend various events outside of the Institute. Several cultural events are organized, including "Spandana," the college cultural fest held as part of the institute's annual day celebrations. Every year, the college hosts a cultural festival. During the cultural fest, the institution organizes competitions such as solo dance, group dance, singing, mime, rangoli, vegetable carving, pot painting, poster making, nail art, mehndi designing, essay writing, short film making, and so on to promote cultural integrity and harmony among the students and to bring out their hidden talent. In addition, on the traditional day of Samkruthi fest, the institute organizes flash mobs by students. It is followed by light music by the famous music troupe - "confetti" to delight the students.

A Yoga Centre of 1500 sft. area is provided for regular practice of Yoga and Meditation under the guidance of trained Yoga Instructor. A separate Yoga Centre is available in the hostel premises for hostellers. Every year on June 21st, the Institute observes Yoga Day.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/games-and-sports

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

80

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

1156.20

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

The institute has a duplex library that is large enough to hold over 7998 titles, 56868 volumes of books, 5000+ eBooks, and 210 print journals. The first-floor houses Circulation Books, News Papers, and Back Volumes of Periodicals, while the second-floor houses Reference Books, Current Periodicals, and so on. It has a modern infrastructure, a reading capacity of 500 students, discussion rooms, and group reading options. It has access to

over 228 online journals from IEEE, ASME, and ASCE. Through DELNET, the Institute has subscribed to World Library for eBooks and N-List e-resources. In the library, there is a digital library with 20 systems. The library is fully computerized and equipped with a bar-coding system.

Since 2010, IARE's central library has been completely automated with NewGenLib Helium 3.2 Software, an Integrated Library Management System. For uninterrupted service, the NGL server is hosted on the IARE AWS cloud. Web-centric applications have been using the On-line Public Access Catalogue (OPAC) to access the Central Library. The Institute Library Management System (ILMS) includes book acquisition, cataloguing, circulation, and serial management modules (periodical management). Members can use Web-OPAC (federated search) to browse and search the library collections with extended bibliographic details. All library resources are available across campus via Intranet.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/library

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

29.45

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

4993

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

IARE has a well-defined IT policy, which is also available on the Institute's website. The policies governing the use of IARE computing and IT enabled resources are managed by a separate IT Infrastructure Management Services (ITIMS) centre. The IT policy discusses the purchase, use, and installation of hardware, networks, and software. All IARE students and staff have been granted permission to use the Institute's IT facilities in accordance with the Institute's policy. Visitors and guests are also given limited access. Violations of IT policy may result in disciplinary action by the appropriate authorities. E-mail accounts are set up for both students and staff at IARE, with clear guidelines for email usage.

IARE has provided wi-fi access for both short and long distances. IT infrastructure has been widely distributed across 6 blocks, connecting them with a very high-speed robust fibre optic network with 12000+ IP enabled devices using 1000 Mbps of internet bandwidth available from two major Internet service providers, GTPL-300 Mbps and Dvois-700Mbps.

The Sophos APX320-802.11ac Wave 2 Wireless Access Point is being

used by IARE to provide an easy, effective way to manage and secure wireless mesh with the following features.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iare.ac.in/sites/default/files/Policies/IARE_IT_Policy.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5108	1780

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development:

A. All four of the above

Facilities available for e-content development
Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/ictfacilities
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

428.22

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

A standard operating procedure for maintaining IARE's physical and academic resources has been established. The institute maintenance teams review the proper utilization, upkeep, and maintenance of campus infrastructure on a regular basis. The housekeeping staff, overseen by a group of supervisors, keeps classrooms, faculty cabins, offices, laboratories, seminar halls, auditoriums, hostels, and other buildings clean.

The below mentioned procedures are adopted for utilizing and maintaining various infrastructure facilities:

- Periodic maintenance of IT infrastructure in the classrooms by ITIMS staff
- Maintenance of laboratories by dedicated Technicians and Lab Assistants guided by Laboratory In charge
- Hassle free procedure for procurement of laboratory consumables to keep laboratories operational
- Systematic procedure for raising complaints, repairing mechanism including servicing and replacement

- Major laboratory equipment is covered under Annual Maintenance Contract / Extended Warranty
- Hard copies of all the answer scripts of both CIE and SEE are maintained for two years and later on disposed. Anyway, the scanned e-Copies are maintained in central storage.
- Seminar halls, e-class room, ICT studios and auditorium are booked and allocated using the online web portal
- Advance booking of transport facilities for taking the students on industrial visits, official meetings of faculty and staff.
- Network Maintenance through In-house engineers of ITIMS office
- Continuous Website Updation and Maintenance by a dedicated Programmer
- All the Desktops and Servers are maintained through AMC
- Continuous surveillance monitoring of CCTV footages with 15 days backup facility
- Cloud maintenance of eGovernance Hub

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/sites/default/files/Policies/IARE_STANDARD_OPERATING_PROCEDURE.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

2730

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the

institution and non-government agencies during the year

564

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology A. All of the above

File Description	Documents
Link to Institutional website	https://www.iare.ac.in/?q=activities-and-events
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

3880

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating A. All of the above

awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

610

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

5.2.2 - Number of outgoing students progressing to higher education

175

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

453

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

6

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

GUIDELINES FOR STUDENT COUNCIL

Student council assists the students to effectively communicate with the administration, to solve their grievances and encourage their ideas in various activities. The students can also directly contact the administrative at any point of time, whereas the student council guides them for effective communication with the administration. The social, cultural, educational and various other activities organized at the institute are planned and put forth into action by the student council. The responsibilities held by the council helps the students to develop the leadership qualities, event planning capability and volunteering skills.

The objectives of the council are:

- To support the administrative officials in the development of the institution by representing the feedback of the council

- To develop a favorable environment for the advancement in academic and personality development
- To promote Social Responsibility among the students
- To guide in applying for various Scholarships
- To improve Leadership qualities
- To maintain interpersonal relationships
- To encourage student participation in various activities

Members of the Council:

Faculty Coordinator

President:

Vice President:

Class Representatives:

President, Vice President, and Senior Faculty Member as the Faculty Coordinator and Class representatives.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/student-council-members

5.3.3 - Number of sports and cultural events / competitions organised by the institution

7

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni are one of IARE most important stakeholders. They make a significant contribution by sharing their knowledge in a variety of ways, including campaigning for placement and internships, offering curriculum criticism, conducting special lectures, and motivating enrolled students.

The following is the alumni's part in the IARE's efficient operation:

- Promote mutual engagement among IAREs alumni.
- Keep them informed on the departments/ Institute activities.
- Continue to provide comments on the department's/varied institute activities.
- As a member of numerous committees, contributing to professional development activities.
- At least once a year, attend alumni meetings.

Every year, an alumni meeting is held.

The most common method of communication among alumni is through group e-mail.

All IARE students are members of the Alumni Association. The iare.ac.in/Alumni/ website keeps alumni informed about events and maintains them linked to the university. Alumni contribute to the university's growth by providing their experience in a variety of ways, including as external examiners, guest faculty, and curricular feedback.

By providing the required infrastructure and initial money, the IARE encourages alumni entrepreneurs to incubate their ideas at IARE Start-up park.

For online registration of Alumni Annual Meetings, a separate website(<https://www.iare.ac.in/?q=pages/alumni-meet>)has been set up

(<https://www.iare.ac.in/?q=pages/alumni-meet>).

The final year students of every programme are registered on the

alumni website

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/alumni-meet

5.4.2 - Alumni's financial contribution during the year

B. 10 Lakhs - 15 Lakhs

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 an effective leadership in tune with the vision and mission of the Institution

The Institute is managed by the Governing Council (GC) consisting of members of the society. The GC is responsible for providing a perspective plan for the institution with clear goals, policies, and strategies.

The institute is governed by the Governing Body (GB) which includes the members of the management, an industrialist, and nominees from affiliating university, UGC, and State Government. The governing body also nominate two senior academicians from the reputed institutions. Two senior faculty nominated by the Governing Council are also the members of the Governing Body. Principal of IARE is the ex-officio of the Governing Body. Major decisions which include considering and approving the institution strategic plans to achieve the goals of the institute. Finance committee will address all the issues of budgeting and purchases.

The academic Council has been constituted with the Principal as the Chairman, three members from the University, four experts from outside the college representing such areas as Industry, Commerce, Law, Education, Medicine, Engineering, Sciences etc. nominated by Governing Body, all Heads of Departments, Four Senior Faculty of the College and a Member Secretary. The

academic Council is the principal academic body of this Autonomous Institute. It is responsible for laying down, regulating, and maintaining the standards of instruction, education and examination within the Institute. It has the right to advise the Governing Body on all academic matters.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/leadership-and-administrative-duties

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

IARE pursues effective leadership through decentralized and participatory management that includes all stakeholders. The Principal is the institution's head, assisted by Department Heads, Deans, the Controller of Examinations, the Librarian, and the Administrative Officer. The delegation of power is carried out in accordance with the organogram, which is available on the institute's website.

The decentralization and participative management is reflected in all the academic and administrative activities of the Institute. The Institute has identified the key functional areas and identified the senior faculty members as deans to handle such responsibilities as a step towards decentralized and participative management. The heads of the department, Council of Deans and Student Council are responsible for all the academic and support activities of the Institute. In addition to heads of the department, the deans are appointed for (i) academic, (ii) Industry Institute Interface, (iii) Planning, Monitoring & Continuing Education, (iv) IQAC, (v) Learning and Educational Technologies, (vi) Policies, Development and Internal Audit, (vii) Research and Development, (viii) Computational Studies, (ix) Outreach, Inclusivity and Extension activity, (x) Information and Communications Technology, (xi) Science and Technology Startup Park, (xii) Brand Building and Entrepreneur Leadership, (xiii) Technology Innovation and Incubation center, (xiv) International student affairs, (xv) Media, Publicity and Advertising, (xvi) Skill Development, (xvii) Career Counselling and Guidance, (xviii) Student Affairs, and (ixx) e-Governance. Deans of the institution are authorized

day-to-day operations in their respective roles. Further, Heads of the Departments are responsible for the academic administration of their respective programs.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/perspective-strategic-plan

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

IARE firmly believes that its strategic planning, continuous improvement efforts, and consistent accreditation successes will help it to achieve its vision of being the leading and best institution in the country. During the "Growth Phase," the IARE leadership team created the first strategic plan (2011-2016) to strengthen the infrastructure. In the second decade, the IARE leadership team created a second strategic plan (2017-2022) during the "Development Phase" that focused on IARE's vision and "Make In India" campaign, taking the lead as a higher education institution, and having a greater impact on society, with its ambitious themes to become "LEADER." IARE adopts new and emerging technologies to provide a richer educational experience by following a strategy based on the SWOC analysis, which includes innovative social learning spaces, an online learning environment, and the use of digital technologies on-campus, next-generation computer laboratories, and state-of-the-art research facilities. The Institute has created a strategic plan based on six defined strategies, which can be found on the Institute's website.

- Increased placements from 420 to 1692 in last 5 years
- Continuous participation in program specific accreditation by National Board of Accreditation
- Continuous participation and consistency in NIRF and ARIIA ranking since last 5 years
- Improvement in scholarly publications with the institutional h-index of 23 (3274 citations)

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/perspective-strategic-plan
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The administrative structure of IARE has been defined in order to achieve operational effectiveness and efficiency. The Governing Council (GC) is the Institute's highest body, comprises of management representatives. The following are the Institute's various decision-making bodies, each with its own functional area.

- **Governing Body:** The governing body comprises a consortium of experts from industry and academia. This body holds meetings to carry out discussions on various issues concerning the growth of the college twice a year. The members of the body take major decisions like consideration and approval of strategic plans to accomplish the goals set by the institution.
- **Academic council:** The policies are duly formulated by the academic council with the approval of the governing body. These policies are further implemented by the heads of the departments and faculty for the efficient functioning of the institution.
- **Finance Committee:** The finance committee examines accounts, expenditures, and proposals that require new expenditures and submits to the Board of Governors for approval of the governing body.
- **Board of Studies:** Every department of the institution has a board of studies and conduct meetings two years once to review the syllabus.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.iare.ac.in/?q=pages/organization-chart
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/leadership-and-administrative-duties

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institute emphasizes welfare and career progression as the essential aspect for teaching and non-teaching staff, and formulated policies for their career growth. The following are the welfare measures adopted by the Institute:

Welfare Measures cum career development schemes for Teaching Faculty:

- Sponsorship to attend the conferences, faculty development programs, workshops and seminars by providing financial aid for registration and travel
- Financial support in filing, consultation, and commercialization of patents
- Financial aid for conducting and attending skill-

Development programs

- Incentives for publishing articles in journals, books, book chapters, and conference papers to encourage the research ecosystem at the Institute
- Financial support for membership in professional bodies like IEEE, IE(I), CSI, ISTE, ACM, IETE, ASME, SAE, etc.
- Financial assistance for Ph.D. enrollment
- Professional Development Allowance for faculty who supervise PhD students
- Encouraging employees to pursue higher education on a full-time or part-time basis through academic leave
- Seed grant up to 10 Lacs to support R&D activities, IPR, product development, and consultancy work
- Supporting International collaborations with travel grants for International-Exchange programs and visiting eminent universities across the globe
- Sponsoring for competency building visits (both at national and international level)
- Opportunities for international exposure as per norms (MoUs with foreign universities)
- Incentives for e-content development as part of ICT initiative of the Institute

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/NAAC/documents/c6/6.3.1_Welfare_Measures_2021-22.pdf

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

161

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 programmes

organized by the Institution for its teaching and non-teaching staff during the year

23

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

258

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Internal financial audit: Finance committee of the institute ensures effective budget utilization and monitors the financial transactions. The outcomes of the audit will be discussed in quarterly financial committee meetings and any finding of the audit will be addressed during this meeting. The internal audit helps the institute for the optimal allocation and utilization of the budget, confirming the compliance with legal and regulatory requirements. The internal audits will help the departments and other offices for effective utilization of budget.

External financial Audit:

The book of accounts is audited by an independent external auditor (Mr. Gowtham Polluru, M.NO.234405) at the end of every

financial year and auditors report is filed under section 12A (b) of the income tax act of government of India. The auditors take an account of various verticals of operation and legislative framework in which institute operates. The audit statements are made available on the institutional website.

The audit objections raised by the external auditors will be addressed by the finance officer of the institute and recorded. The internal and external audit mechanism is strictly comply with their requirements of regulatory bodies.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=audited-statements

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

4.43

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The institute's resource mobilization policy focuses on achieving the institution's goals while maintaining accountability and transparency. Management coordinates and monitors the best use of the funds. Tuition fees collected from students are the institute's primary source of income. The tuition fee collected by the institute is regulated by Telangana Admission and Fee Regulatory Committee Constituted by Govt. of Telangana vide G.O.RT.No.160, HE Dept., dt:22.07.2015

Mobilization of financial resources basically involves the following steps:

- Effective administration that nurtures quality and promotes a competitive environment among the faculty that results in additional revenue generation.
- Identification of platforms and opportunities for obtaining grants from various non-governmental organisations, including fund-assistance organisations, corporations, and individuals, including philanthropists and alumni, and work toward entering into appropriate agreements and collaborations.
- The institute encourages the faculty to apply various grants and enhance research activities. The students are also encouraged to apply for funding for students' project. The grants are received from DST / AICTE / SERB / MSME for research activities. These funds are spent based on the guidelines of the funding agency. The audited utilization certificates are submitted to sponsoring agencies upon the completion of the projects.
- Feasibility studies are done before start of new programs and institutions lay emphasis on the quality of education, before venturing into new programs / institutions.
- The Annual budget of revenue and expenditure and capital is placed before the finance committee and it is approved finally by the Governing Council.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/research-projects

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

significant improvement over the last five years.

Practice 1 - Career and Employability Skill: The Careers and Employability Skills Training (CEST) is a unique and dedicated program under "Careers Development Center". The advent of globalization has opened up Indian economy to the outside world. The competition among industries has become stiff; therefore, it

is urgently needed to prepare engineering students for jobs in multinational companies, by exposing them to newer technologies and engineering methodologies. CEST is there to create a healthy environment by engaging Industry and Academia resources combined in skill building programs (SkillUP and SkillBridge). A gap between training and placements is usually observed in academics and to combat this gap, skill building programs are designed with industries. This approach has ensured better interaction between industry and academia, enhancing relevant skills and also innovative thinking amongst the students. The main objective of this practice is to ensure that the students will demonstrate a clearer understanding of the career exploration process and how their own skills and interests match up to a chosen major/career path. The outcomes of this practice has improved the placement statistics as tabulated below since last accreditation.

S. No

Activity

Cycle 1

Cycle 2

1

Workshops

110

740

2

Internships

658

1500

3

Industry projects

115

145

4

Placements.

2500

4538

5

Average Salary

3.2 Lacs

6.5 Lacs

6

Median Salary

2.5 Lacs

5.5 Lacs

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/skill-development

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC committee periodically reviews teaching learning process and other quality parameters of institute and suggest the necessary reforms to be undertaken towards continuous improvement. IQAC conducts periodic workshops to improve instructional methods in line with OBE framework. The following are two examples.

Reviewing teaching learning process: The institute undertakes the following steps to monitor the quality of teaching learning:

- For each course, the course coordinator prepares course full stack material. It includes course descriptor, lecture notes, lectures wise PPT and Early Learning Readiness Videos (ELRV) produced in ICT studio of the institution. The definitions and terminology for each course are provided to articulate basic knowledge that they have learned in the course.
- The research based and product-based learning approach is used for imparting effective 21st century capabilities for promoting critical thinking as well as problem-solving, interpersonal communication, leadership and teamwork, innovation, and creativity.
- The tutorial question banks for each course taught are given to the students.
- Technology assisted TTCV (Tech Talk and Concept Video) is given to the students for improvement of communication skills and presentation skills, especially speaking skills.
- Provision for full semester internship (FSI)
- Follows the Bloom's Taxonomy and emphasis is laid on cognitive learning.
- Peer-to-peer learning by using flipped class rooms.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/teaching-learning-process

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.iare.ac.in/?q=pages/annual-reports
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

IARE has around 42% female faculty and 32% female students. As part of the curriculum, courses on Gender sensitivity, Essence of Indian Traditional Knowledge, Constitution of India, Ethics & Human Values, etc. address issues related to gender equity. The institution promotes gender sensitization through co-curricular and extracurricular activities like workshops, seminars, guest lectures, street plays, poster exhibitions, counselling etc. Further, awareness programs like importance of human rights, rights of women in domestic problems, cyber security, etc. related to the safety and security of women employees and students are conducted periodically. Women faculty has given equal opportunity in all academic and administrative roles, such as CoE, deans, heads of the departments and conveners of various committees. Even the placement records of the institute reflect approximately 50% placements share to female students. Every year IARE celebrates International Women's Day.

Exclusive infrastructural facilities for women:

- Separate Gymnasium for female students
- Common room for female students in all academic blocks
- Exclusive ladies' hostel
- Special sports promotion programs
- A daycare center
- Sanitary Napkin Vending Machine

Safety and security measures for women at the Institute:

- Availability of lady doctor
- A gynecologist visits the campus every week
- Exclusive professional counsellors for female students

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/sites/default/files/Policies/GENDER_EQUALITY_AND_EQUITY_POLICY.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy plant Wheeling to the Grid energy conservation power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged 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 a maximum of 200 words)

The institute's waste management & recycling policy supports the universal goal to reduce the number of wastes entering the waste stream.

Solid Waste management:

Solid waste is collected using coloured bins i.e., Blue for dry waste, Green for wet waste, and Red for e-waste collection. Drywaste includes dry leaves, paper, cardboard, glass, tin cans, etc. Wet waste include food waste generated in canteen and other places inside the campus which are segregated, composted, and disposed to biogas generation plant located near canteen. The biogas generation plant is of capacity of 2cubic meter gas production per day which is equivalent to 0.8 to 1 kg of LPG. The collected plastic is shredded using AVANTI BS 200P machine is sent for recycling.

Liquid Waste Management:

Waste water generated from canteen and toilets is segregated and treated in STP with capacity of 30,000Lts/day. The treated water is reused for flushing and gardening purpose in the campus. The sludge settled in the STPs is cleaned once in a week and composted. The compost is also used as manure for the gardens. Rain water recycling mechanism is adopted.

E-Waste Management:

E-wastes are regularly collected from source points, are stored in an e-waste storage area. Institute has MoU with M/s Ramky Environ Engineers for e-waste management. E-waste generated is collected regularly and dispatched through authorized vendor, on a monthly basis for recycling. IARE adheres to and practices a sustainable and healthy waste management system is aimed at making the campus green and ecofriendly.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geotagged 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 undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

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 a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms

A. Any 4 or all of the above

**and centres Disabled-friendly washrooms
Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	No File Uploaded

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

IARE provides an inclusive environment with diversity in terms of culture, region, linguistic, communal, socioeconomic and other aspects. While enjoying the wide cultural diversity among its students and faculty, IARE has been successfully maintaining peace and harmony in all these years without any single episode of intolerance leading to campus unrest.

Efforts to handle Cultural diversity:

IARE accommodates the culturally diversified students by encouraging the exchange of cross-cultural ideas and celebration of the festivals of different culture.

Efforts to handle regional diversity:

Apart from various districts of Telangana, the institute houses students from the other states of India. IARE every year organizes "SAMSKRUTHI", traditional day that showcase of cultures around the nation.

Efforts to handle Linguistic and communal diversity:

English is used as a medium of teaching in all the classrooms to bridge the gap between the region-specific teaching and the expectations of the students and faculty of the other states.

Efforts to handle Socioeconomic diversity:

To overcome the socioeconomic barriers, the institute has facilitated the students to receive scholarships and awards from government and non-government organizations. Around 50% students every year are benefited by fee-reimbursement scheme of Telangana government.

- Bathukamma is a colorful and vibrant festival of Telangana, celebrated by women, as a symbol of Telangana's cultural identity.
- Ayudha Pooja-Navaratri festival, traditionally celebrated every year.
- The EBSB club of IARE conducts various activities that promote the culture, traditions of the country.

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

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

The Institute has incorporated courses / modules on the constitution of India and civil responsibilities in many of its programs. Co-curricular activities are also organized to sensitize students and staff to their citizenship roles. The values are inculcated through courses in the curriculum, namely Value Education, Yoga & Values for Holistic Development, Universal Human Values: Understanding Harmony and Professional Ethics & Human values. In addition, Yoga and meditation club conducts regular programs to make our students to understand the value of being humane. Through various student clubs' various programs are organized to make the students realize their rights, duties and responsibilities.

The various programs organized are:

- Environmental awareness programs
- Health awareness programs
- Vigilance Awareness Week
- Village adoption programs Harithaharam
- Blood donation camps
- Model United Nation
- Slum Development and up-gradation process

Through Career Development Centre, the achievers in various fields are invited to provide a motivational talk and they have shared their experience. These series of lectures have made students to be positive and to have a responsibility to revert back to the society at their later stages of life.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the 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 programmes, etc. in support of the claims	View File
Any other relevant information	No File Uploaded

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

IARE celebrates many national events to create awareness of rich cultural heritage of the nation. National/International commemorative days are regularly being celebrated and observed in IARE. All staff members and students gather in the college to celebrate these days. Celebration of cultural and constitutional festivals is the integral part of college's co-curricular activities. Throughout session different days are celebrated by students with guidance of teachers to help them to know about different cultures and to cognitively imagine India as a nation.

The important national and international commemorative days conducted by the institution are as follows.

- Republic day
- Independence Day
- International Women day
- International Yoga Day
- Teacher's day
- Gandhi Jayanthi
- Swachhta Divas
- National Constitution Day
- World Environment Day
- National Integration Day Road
- Safety Day
- Energy conversation day
- National Science Day

Some special events like tree plantation drive are conducted on 2nd October of every year to spread over harmony among one and all and also International Yoga Day is celebrated on 21st June

of every year to spread awareness about Yoga as mean for healthy life.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best Practice - I:Transforming into a Digitally Empowered Institution - Use of effective online platform to address the limitations in Teaching - Learning mechanism

IARE is designed to make the system user-friendly, time saving and cost saving also. Many of them are flexible enough to adapt to the changing educational environment efficiently and quickly. IARE has established a comprehensive online solution that would convert all such systems in place into common modules and integrate existing data and solutions with the new system in place. IARE is providing digital services to admin office, student, staff, library, examination cell and placement cell through various portals such as Samvidha, e-ExamDesk, ESLO, BuildIT and Akanksha. Latest cloudbased technology is employed to address all of the challenges of online education and assessment. Appropriate security measures are taken for maintaining confidentiality and integrity of data using Amazon Web Services (AWS).

Best Practice -II:Skill development initiatives for Overall development of students and enhance start-up culture to promote entrepreneurship

Objectives of the Practice:

- transformational education experience to meet skill requirements of the industry
- provide multifaceted eco system to inculcate product

development skills among students

- develop rational thinking and research culture among the students and faculty
- attract resources including funding opportunities for entrepreneurial experiments
- develop an innovation culture with societal obligations

IARE provides best eco system for the students to pursue their dreams. IARE strongly believes and motivate students to be Job givers and not Job Seekers.

File Description	Documents
Best practices in the Institutional website	https://www.iare.ac.in/?q=pages/iare-best-practices
Any other relevant information	https://www.iare.ac.in/NAAC/documents/c7/7.2.1 Best Practices.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Program: Institutional extension activities for rural development and community empowerment

IARE not only enriches the lives of students and faculty members, but also contributes to the development of communal cohesion. Several extension efforts are carried out by the institute for the benefit of the surrounding villages and deprived community. The infusion of technology into tribal women's traditional customs sparked the concept of empowerment.

The institute has received 160 lacs funding from Department of Science and Technology, Government of India for the project titled "Poverty alleviation and upliftment of women through mechanized manufacturing of traditional ornaments and house hold products" in the year 2020. Tribal women (i.e., Lambada women or also called as Banjara's) living in Dundigal Thanda I and II are manufacturing their own ethnic dresses, traditional ornaments and household decorative items.

IARE offers a variety of community empowerment programs for deprived community in the proximity area. The following are the

sample activities that are conducted periodically:

- Awareness program on socio-economic and sustainable development of the country
- Awareness program on new horizons of Science Technology knowledge to support elevating several agricultural rural challenges through applied Science Technology
- Teaching Tools and Digital Resources For school teachers
- Use of Mobile Applications for Digital Payment and eGovernance Services - for rural Women
- ICT Computer Skills Training to Govt School students
- Training on Digital Literacy for sweepers, attenders, drivers
- A School awareness Program on Real-Time Applications of Sensor Based Appliances
- Awareness program on national needs for rural India

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The courses like Essence of Indian Traditional Knowledge, Professional Ethics and Human Values, Gender Sensitivity, Entrepreneurship etc. and Experiential Engineering Education (ExEED) are introduced for start-up / entrepreneurship culture among the students, which are facilitated through incubation centres at IARE.

Local & Regional: Institute ensures that the curriculum will address the needs of the society and has relevance to the local, regional and national developmental needs through the mandatory courses. It is introduced to imbibe moral values, ethics and create awareness about social responsibilities among the students by understanding the needs of the society. Digital Learning Hub, an initiative by Telangana State to 4 lakh students across 1500 institutions of higher education at free of cost in the state. All the institutions in Telangana have mandated this course for appropriate credits. It covers ample number of topics that enhances the employability quotient of the student at global par. **National & Global:** The institute has introduced various new programs in Data Science, Cyber Security, Artificial Intelligence and Machine Learning, and other fields to meet national and global significant sustainability. Graduates' competence will improve as a result. Economic expansion will be facilitated through courses aligned with the country's national purpose of "Make-in-India".

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://iare.ac.in/NAAC/SSR/c1/1.1.1_Additional_Information.pdf

1.1.2 - Number of Programmes where syllabus revision was carried out during the

year**7**

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year**608**

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year****402**

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

18

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Many cross-cutting issues are also informally covered during special events like blood donation camp, tree plantation, Swachh Bharat Abhiyan, Save Trees Awareness Program, World Environment Day, etc. The institute curriculum effectively integrates cross-cutting issues relevant to gender, environment and sustainability, human values and professional ethics and leads to a strong value-based holistic development of students. Various activities are organized throughout the year as part of the curriculum that help in this endeavor. The institute has prescribed few courses for all engineering programs relevant to gender, environment and sustainability, human values and professional ethics, in its curriculum.

Gender Sensitivity: Gender related courses are an integral component of various programs. Students are sensitized and encouraged to work towards gender equity from a cross-cultural perspective. Institute annually organizes seminars, conferences, guest lectures, exhibitions, street plays and literary activities that help in gender sensitization.

1. Environment and Sustainability: Institute's strong community orientated work culture is based on the sustainable way of life, that involves integration of water quality, air quality and healthcare, innovation and human values.

2. Human Values and Professional Ethics: The curriculum has the following compulsory courses in programs specially

focused on the development of human values and professional ethics:

3. Cultural Education

4. Research Methodology and IPR

5. Rural Development

6. Social Service

7. Co-curricular Activities

8. Environment Studies

9. Disaster Management

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

38

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

4443

File Description	Documents
List of students enrolled	View File
Any additional information	View File
1.3.4 - Number of students undertaking field work/projects/ internships / student projects	
4146	
File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File
1.4 - Feedback System	
1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above
File Description	Documents
Provide the URL for stakeholders' feedback report	https://iare.ac.in/NAAC/SSR/c1/1.4.1_Student_Feedback_Report_2021-22.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File
1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://iare.ac.in/NAAC/SSR/c1/1.4.1_Student_Feedback_Report_2021-22.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1399

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

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

728

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 students' learning levels and organises special programmes for both slow and advanced learners.

The Institute provides learning opportunities at various levels based on students' performance in continuous internal assessments. After identifying the gaps, a few bridge courses are held for the benefit of slow learners. As part of the regular teaching learning process, remedial classes for slow learners are held. Advanced students are given tasks to help them improve their critical thinking skills. E-learning materials containing video lectures and lecture notes are

provided for the benefit of slow learners, allowing them to learn at their own pace. Advanced learners are encouraged to practice on various coding platforms, MOOCs, and are also permitted to participate in a Full Semester Internship.

The initiatives for the support of slow learners:

- **Skill Bridge Program:** A specially designed courses for job guarantee are conducted.

<https://www.iare.ac.in/?q=pages/skillbridge-program>

- **Remedial classes:** After completion of CIA - I, students with less than 50% marks in the courses are identified in each section and considered as slow learners.

Initiatives to encourage advanced learners:

- **Skill-Up Program:** A specially designed employability courses to achieve high impact jobs.
- **Accelerator Courses:** Students with CGPA of 7.5 or higher are encouraged to take up any one additional course of the next higher semester as decided by head of the department.
- **A full semester internship leading to research publication.**
- **GRE/GATE/Competitive exams:** Special counselling will be given, and classes will be held separately.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iare.ac.in/NAAC/SSR/c2/2.2.1_Slow_Learners_Advanced_Leranners_2021-22.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/04/2022	5108	299

File Description	Documents
Upload 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:

IARE engages students in active learning that demonstrates the relevance and importance of academic work in their daily lives and career choices. The philosophy of bringing books to life and books to life is made a regular practise in the Institute, which increases students' understanding of the class subject. The curriculum is well-designed to help students develop critical thinking and problem-solving skills.

Participatory learning the learners are involved as actively in the learning process as possible. We conduct activities or events that will help the learner achieve the specified objective or desired outcome. We conduct METE Expo, CONCOCT Expo students get opportunity to gain professional skills. also gain a deeper understanding of the practical knowledge. Students are involves building an implicit understanding of knowledge and the context collaboration learning.

Web reference:

<https://www.flickr.com/photos/186282793@N05/albums/72177720299781506>

We encourage the students to develop multidisciplinary product, IARE- Technology Innovation and Incubation Centre mission is to support Innovators through the product design and development journey. We offer a variety of design and fabrication services to prototype and iterate your product idea before scaling up production.

Experiential Engineering Education:

Technology Innovation and Incubation Centre (TIIC) plays vital role in experiential learning (eXL), which was started in the year 2016. The ministry of MSME has sanctioned technology business incubator (TBI) with a grant of 92.47

lakhs to procure plant and machinery towards smart manufacturing sectors.

Web references:

<https://www.iare.ac.in/?q=pages/experiential-learning-exl>

<https://www.flickr.com/photos/186282793@N05/albums/72177720302249188>

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://www.iare.ac.in/?q=pages/experiential-learning-exl

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

IARE being a digitally empowered institution, equipped with smart classrooms providing hundred percent multimedia experience to the students. With a view to develop e-content learning resources for the students studying engineering, the Learning Management Portal - AKANKSHA has been started. AKANKSHA provides an integrated platform and launch portal for online (web based) courses, using information and communication technology (ICT). It also covers skill development, skill enhancement and employability courses to ensure that every student benefits from learning material through IARE e-Learning / Early Learning Readiness Videos (ELRV), Akanksha, the e-Learning Content Management Portal.

Teachers use ICT to deliver classroom lectures, demonstrate and conduct laboratory experiments, and manage and administer courses and classes. During the lectures, softcopies of the books listed on the syllabus are used. In order to better understand a circuit or program, simulation software and compilers may be used in the classroom. Animations and visualizations are used to demonstrate the operation of a component, a circuit, or a process.

IARE has a YouTube Channel, where one can access various videos. Our directory lists 4000+ video lectures made by our distinguished faculty in 75+ subject areas.

Each course includes a full set of ELRV produced in high-quality video accompanied by other instructional material as Course Description, Syllabus, Lecture notes, Concept Video Topics, Tech Talk Topics, Open Ended Experiments / Problems / Project Ideas, Tutorial Question Bank, Definitions and Terminology, Model Question Papers and Previous Examination Question Papers.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.iare.ac.in/?q=pages/ictfacilities
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

284

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The Institute prepares and follows a well-planned academic calendar that includes the number of instructional days, the assessment plan, the start and end of the academic session, and the examination schedule. A minimum of 90 instructional days, or 16 weeks, are planned for each semester, excluding continuous assessments and examinations. Academic council approves the academic calendar, which is then posted on the institute's website. National commemorative days are also observed on the academic calendar.

Before the start of the semester, the department head meets with all staff. The course allotment is done by the department head, and the teaching plan - schedule of

instruction for each course - is prepared in CMS Portal by individual course faculty in accordance with the department event calendar.

IARE adheres to a well-defined teaching plan that is aligned with Outcomes Based Education (OBE). The faculty will prepare a holistic course plan that includes course prerequisites, objectives, course outcomes, a teaching plan, an articulation matrix, and a mapping of course outcomes to program outcomes and will submit it for necessary reviews and approvals.

The detailed academic calendars are available at:

<https://www.iare.ac.in/?q=pages/iare-academic-calendar>

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

299

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

102

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

3.23

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

8.4

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0.25

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

IT integration is an integral part of IARE culture. The complete examination process from scheduling to result declaration are IT enabled. The weightage for traditional examination and alternative assessment as a part of CIE is the major reform in our examination system. 20% weightage is given to traditional CIA which is pen and paper based. The written manuscripts are scanned and digitally uploaded in the CMS, which are digitally evaluated by the faculty.

Key reforms in IT integration of Examination Procedures

- Auditing of the question papers and the answer scripts are done.
- The answers scripts are coded to prevent disclosure of identity of students.
- Scheme of evaluation along with solutions are made available to the examiners prior to the commencement of evaluation for unbiased and transparent evaluation.
- Online correction is processed through intranet for security reasons.
- IT integration has resulted in marks data entry as well as timely declaration of results.
- Institute uses in-house software (Akanksha Campus Management System) developed and maintained by institute team for evaluation and publishing results.

Provision for revaluation, retotalling and access to answer scripts is through ICT integration.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/eexamdesk

2.6 - Student Performance and Learning Outcomes

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

IARE has adopted Outcome Based Education (OBE) as a part of its curriculum development and teaching learning process. All the PEOs/POs/PSOs/COs are published on the Institute Website.

An awareness of OBE along with the expected outcomes are discussed in student orientation programme, faculty meetings, alumni/parent meetings, etc. The entire newly joined faculty are thoroughly inducted to OBE through intensive induction programme. An OBE booklet is uploaded on the institute website which can be accessed by the faculty / students and other stake holders to get the necessary information needed for the concerned person. Action taken reports on the attainment of Course outcomes and Program outcomes along with continuous improvement process are also made available to the stakeholders through Institute's website. Evaluation of the students learning outcomes (ESLO) is a platform developed internally to assess and evaluate the attainment of the learning outcomes of the students and their progress during each semester and also on completion of the programme. This platform provides course wise outcomes and mapping of the POs/PSOs/COs.

OBEprocess manual

<https://www.iare.ac.in/?q=pages/outcome-based-education-ece>

Educational Objectives, Outcomes;

<https://www.iare.ac.in/?q=pages/ece-educational-objectives-outcomes>

Sample course description booklets:

<https://iare.ac.in/?q=pages/course-outcomes-description-booklets-ece>

Sample course outcome's attainment and action taken report:

<https://iare.ac.in/?q=pages/course-outcomes-cos-attainment-ece>

Sample program outcomes attainment and action taken report:

<https://iare.ac.in/?q=pages/program-outcomes-pos-attainment-ece>

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://www.iare.ac.in/?q=pages/obe-course-attainments-ae-r16-2017

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The Institute has built an effective user-friendly system for tracking the achievement of Course outcomes (COs), Program outcomes (POs), and Program specific outcomes (PSOs). The Institute has developed a systematic process for collecting and analysing data needed to calculate PO/PSO/CO attainments.

Evaluation of Student Learning Outcomes (ESLO) is a software platform developed internally to assess and evaluate students' attainment of learning outcomes and progress during each semester as well as program completion. This platform provides course-specific outcomes as well as their mapping to POs/PSOs.

The outcome attainment process is described below:

1. Course outcomes will be attained through direct and indirect methods with 80% and 20% weightages respectively.
2. Course direct assessment include marks obtained in two Continuous Internal Examinations (Theory / Practical), Alternative Assessment Tool (AAT), and SEE.
3. Course indirect assessment includes feedback (course exit survey) of students on the framed questionnaires at the completion of course on the scale of 5.
4. POs/PSOs are also attained through direct and indirect assessment methods with 80% and 20% weightages respectively.
5. In direct assessment of POs/PSOs, the Course Outcome attainments are mapped to appropriate POs/PSOs through course - program articulation matrices in a weighted manner. All the courses of the Program are considered for POs/PSOs attainment. Weighted averages are used to calculate POs/PSOs as given in respective course descriptions.
6. Indirect Assessment of POs/PSOs is cumulated from program exit (10%), alumni (5%) and employer survey (5%) which are taken at scheduled intervals.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://iare.ac.in/?q=Student-Centric-Learning

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1184

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://iare.ac.in/NAAC/SSR/c2/2.6.3_Additional_Information.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://www.iare.ac.in/sites/default/files/NAAC/student_satisfaction_survey_report_2021-2022.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

IARE has taken a quantum leap into Research and Development initiatives in recent years, constantly encouraging faculty and students for out-of-the-box thinking and generating new and revolutionary ideas to bring about societal change. IARE is devoted to enhancing knowledge through research across all academic disciplines. The departments of CSE, ECE, and ME of the Institute are recognized as research centers under JNTUH, Hyderabad.

As a result of Institute's efforts to promote research culture, the institute has 14 funded research projects totalling Rs. 510.59 lakhs, 161 utility patents published, 44 design patents granted, 11 utility patents granted, 25 copyrights, 13 technology transfers to industries, 15 commercialized IPRs, and about 120 student publications to its credit. The institute's Webometric research data include 1138 Scopus-indexed articles, 387 Web of Science-indexed publications, 50 publications in each of the Q1 and Q2 journals, an h-Index of 26, an i10 Index of 120, and a

total citation count of 4281.

The Institute's Research Advisory Committee and Research Ethics Committee actively monitor the progress of research activities on a regular basis. All Institute faculty research profiles are accessible on the INFLIBNET IRINS portal. Policies such as IPR and Research Promotion Policy regulate the Institute's research activities.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://iare.ac.in/sites/default/files/Policies/IARE_Research_Promotion_Policy.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

15.11

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for

advanced studies/research during the year

2

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)**

24.04

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

11

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://iare.ac.in/?q=pages/research-projects
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

2

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

8

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://iare.ac.in/?q=pages/research-supervisors
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Compassion on Innovation is the goal and spirit of IARE. The institute ascertains the belief in the stakeholders through a vibrant eco-system for innovations, creation and transfer of knowledge. Technology Innovation and Incubation Centre, Science and Technology Start-Up Enclave, MSME ASPIRE - TBI Centre, Makerspace, and Community Innovation Centre are just a few of the institute's many centres with exceptional state-of-the-art research facilities. The institute spends a significant amount of money on research and development.

The Institute's efforts in these areas are reflected in its participation in the ARIIA rankings, which are detailed below.

- Categorized as 'Band Excellent' institution in category of 'Private or Self-Financed College/Institutes' in

ARIIA - 2021.

- Categorized as 'Band B' institution (rank between 26-50) in category of 'Private or Self-Financed College/Institutes' in ARIIA - 2020.
- Established Institution's Innovation Council (IIC) - An initiative of Ministry of Education (2018) and rated 4/5 star during 2022.

IARE established Technology Business Incubator (TBI) centre in the year 2019 with the support of Ministry of Micro, Small and Medium Enterprises (MSME) under A Scheme for Promotion of Innovation, Rural Industry & Entrepreneurship. The TBI centre is located in the premises of institute with a built-up area of 6414 sft.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=Technology_Incubation_Incubation_Centre

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

31

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research

A. All of the above

methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year
3.4.2.1 - Number of PhD students registered during the year

8

File Description	Documents
URL to the research page on HEI website	https://iare.ac.in/?q=pages/research-supervisors
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

198

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher

during the year

55

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iare.ac.in/?q=pages/rd-paper-publications

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**3.4.5.1 - Total number of Citations in Scopus during the year**

1203

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University**3.4.6.1 - h-index of Scopus during the year**

26

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy**3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)**

1.58

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

1.6

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Compassion for Community is one of the seven dimensions of IARE that make it a truly holistic learning environment. Mandatory value-added courses in major areas such as human values, gender sensitivity, professional ethics and environmental studies, energy from waste, and so on have been introduced as part of the students' holistic development. Periodically, guest lectures/workshops are organized for students by inviting experts from outside to raise awareness about social issues such as,

- Plastic waste management
- Child sexual and drug abuse
- Drunk and drive
- Breast cancer and HIV awareness campaigns
- Road safety and traffic regulations etc.

The institution has a recognized NSS unit with active student members involved in social service activities.

Apart from such activities, a number of awareness programs, such as International White Cane Day, International Yoga Day, Science Awareness Fair and Exhibition at MJPTBCW Residential Boys School, Awareness Program on National Needs for Rural India, HIV Awareness Program, Program on Human Values, Creating Awareness about Effects of Plastics in Villages, Program on Developing Safety Driving Skills, have been organized. Also conducting cancer awareness programs, drunk driving prevention programs, child abuse prevention programs, nature awareness and science achievements programs, and road safety programs for the benefit of neighbourhood community.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=extension-activities

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

134

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

17

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

2875

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

211

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

25

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

The Institute has cutting-edge infrastructure to support teaching-learning and research activities. The institute spans 17 acres and has a total built-up area of 3,65,700 square feet. With six academic buildings housing 67 smart classrooms, a central library, two ICT studio rooms, one media centre, one A/V centre, three flipped classrooms, four conference rooms, two seminar halls, one central board room, seven departmental board rooms, one auditorium, ten research laboratories, four industry supported laboratories, 94 academic laboratories, a science and technology start-up park, a technology innovation and incubation centre, an open-air amphitheatre, makerspace, and community facilitation center for women, and center for development of skill and employability. There is campus-wide networking with 1Gbps internet connectivity, Wi-Fi, and CCTV. All programs share common central computing facility, which include 300 computers and three engineering workshops. All classrooms have LED display panels for interactive teaching and multimedia experiences. Smart boards are also available in the flipped classrooms, conference rooms, and seminar halls.

1800 desktop computers, 9 workstation servers on campus and 6 cloud-based AWS servers, Sophos XG 310 Firewall, 103 printers, 150 webcams, 26 scanners, and 250 headphones are among the computing facility available. 533 fibre access devices, 188 data switches, 62 Wi-Fi access points, and 256 KVA UPS power backup are available as support infrastructure. Students can access a 1000 mbps leased line with high-speed

internet.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/building-area

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

To ensure students' holistic development, the IARE curriculum is integrated with a variety of co-curricular and extra-curricular activities. The Institute has the latest facilities for student activities, including cultural activities, indoor games, and a yoga center.

A 3000 sft. Student Activity Centre is available for various activities such as dance, music, drama, and so on. Students use this centre for practise on a regular basis and attend various events outside of the Institute. Several cultural events are organized, including "Spandana," the college cultural fest held as part of the institute's annual day celebrations. Every year, the college hosts a cultural festival. During the cultural fest, the institution organizes competitions such as solo dance, group dance, singing, mime, rangoli, vegetable carving, pot painting, poster making, nail art, mehndi designing, essay writing, short film making, and so on to promote cultural integrity and harmony among the students and to bring out their hidden talent. In addition, on the traditional day of Samkruthi fest, the institute organizes flash mobs by students. It is followed by light music by the famous music troupe - "confetti" to delight the students.

A Yoga Centre of 1500 sft. area is provided for regular practice of Yoga and Meditation under the guidance of trained Yoga Instructor. A separate Yoga Centre is available in the hostel premises for hostellers. Every year on June 21st, the Institute observes Yoga Day.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/games-and-sports

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

80

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

1156.20

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

The institute has a duplex library that is large enough to hold over 7998 titles, 56868 volumes of books, 5000+ eBooks, and 210 print journals. The first-floor houses Circulation Books, News Papers, and Back Volumes of Periodicals, while the second-floor houses Reference Books, Current Periodicals, and so on. It has a modern infrastructure, a reading capacity of 500 students, discussion rooms, and group reading options.

It has access to over 228 online journals from IEEE, ASME, and ASCE. Through DELNET, the Institute has subscribed to World Library for eBooks and N-List e-resources. In the library, there is a digital library with 20 systems. The library is fully computerized and equipped with a bar-coding system.

Since 2010, IARE's central library has been completely automated with NewGenLib Helium 3.2 Software, an Integrated Library Management System. For uninterrupted service, the NGL server is hosted on the IARE AWS cloud. Web-centric applications have been using the On-line Public Access Catalogue (OPAC) to access the Central Library. The Institute Library Management System (ILMS) includes book acquisition, cataloguing, circulation, and serial management modules (periodical management). Members can use Web-OPAC (federated search) to browse and search the library collections with extended bibliographic details. All library resources are available across campus via Intranet.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/library

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

29.45

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

4993

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

IARE has a well-defined IT policy, which is also available on the Institute's website. The policies governing the use of IARE computing and IT enabled resources are managed by a separate IT Infrastructure Management Services (ITIMS) centre. The IT policy discusses the purchase, use, and installation of hardware, networks, and software. All IARE students and staff have been granted permission to use the Institute's IT facilities in accordance with the Institute's policy. Visitors and guests are also given limited access. Violations of IT policy may result in disciplinary action by the appropriate authorities. E-mail accounts are set up for both students and staff at IARE, with clear guidelines for email usage.

IARE has provided wi-fi access for both short and long distances. IT infrastructure has been widely distributed across 6 blocks, connecting them with a very high-speed

robust fibre optic network with 12000+ IP enabled devices using 1000 Mbps of internet bandwidth available from two major Internet service providers, GTPL-300 Mbps and Dvois-700Mbps.

The Sophos APX320-802.11ac Wave 2 Wireless Access Point is being used by IARE to provide an easy, effective way to manage and secure wireless mesh with the following features.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iare.ac.in/sites/default/files/Policies/IARE_IT_Policy.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5108	1780

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/ictfacilities
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

428.22

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

A standard operating procedure for maintaining IARE's physical and academic resources has been established. The institute maintenance teams review the proper utilization, upkeep, and maintenance of campus infrastructure on a regular basis. The housekeeping staff, overseen by a group of supervisors, keeps classrooms, faculty cabins, offices, laboratories, seminar halls, auditoriums, hostels, and other buildings clean.

The below mentioned procedures are adopted for utilizing and maintaining various infrastructure facilities:

- Periodic maintenance of IT infrastructure in the classrooms by ITIMS staff
- Maintenance of laboratories by dedicated Technicians and Lab Assistants guided by Laboratory In charge
- Hassle free procedure for procurement of laboratory consumables to keep laboratories operational

- Systematic procedure for raising complaints, repairing mechanism including servicing and replacement
- Major laboratory equipment is covered under Annual Maintenance Contract / Extended Warranty
- Hard copies of all the answer scripts of both CIE and SEE are maintained for two years and later on disposed. Anyway, the scanned e-Copies are maintained in central storage.
- Seminar halls, e-class room, ICT studios and auditorium are booked and allocated using the online web portal
- Advance booking of transport facilities for taking the students on industrial visits, official meetings of faculty and staff.
- Network Maintenance through In-house engineers of ITIMS office
- Continuous Website Updation and Maintenance by a dedicated Programmer
- All the Desktops and Servers are maintained through AMC
- Continuous surveillance monitoring of CCTV footages with 15 days backup facility
- Cloud maintenance of eGovernance Hub

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/sites/default/files/Policies/IARE_STANDARD_OPERATING_PROCEDURE.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

2730

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

564

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities
Soft Skills
Language and Communication Skills
Life Skills (Yoga, Physical fitness, Health and Hygiene)
Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://www.iare.ac.in/?q=activities-and-events
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

3880

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

5.1.5 - The institution adopts the following mechanism for redressal of students'

A. All of the above

**grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies
Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

610

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

5.2.2 - Number of outgoing students progressing to higher education

175

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

453

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year**

6

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution**GUIDELINES FOR STUDENT COUNCIL**

Student council assists the students to effectively communicate with the administration, to solve their grievances and encourage their ideas in various activities. The students can also directly contact the administrative at any point of time, whereas the student council guides them for effective communication with the administration. The social, cultural, educational and various other activities organized at the institute are planned and put forth into action by the student council. The responsibilities held by the council helps the students to develop the leadership qualities, event planning capability and volunteering skills.

The objectives of the council are:

- To support the administrative officials in the development of the institution by representing the feedback of the council
- To develop a favorable environment for the advancement in academic and personality development
- To promote Social Responsibility among the students
- To guide in applying for various Scholarships
- To improve Leadership qualities
- To maintain interpersonal relationships
- To encourage student participation in various activities

Members of the Council:

Faculty Coordinator

President:

Vice President:

Class Representatives:

President, Vice President, and Senior Faculty Member as the Faculty Coordinator and Class representatives.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/student-council-members

5.3.3 - Number of sports and cultural events / competitions organised by the institution

7

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni are one of IARE most important stakeholders. They make a significant contribution by sharing their knowledge in a variety of ways, including campaigning for placement and internships, offering curriculum criticism, conducting special lectures, and motivating enrolled students.

The following is the alumni's part in the IARE's efficient operation:

- Promote mutual engagement among IAREs alumni.
- Keep them informed on the departments/ Institute activities.
- Continue to provide comments on the department's/varied institute activities.
- As a member of numerous committees, contributing to professional development activities.
- At least once a year, attend alumni meetings.

Every year, an alumni meeting is held.

The most common method of communication among alumni is through group e-mail.

All IARE students are members of the Alumni Association. The iare.ac.in/Alumni/ website keeps alumni informed about events and maintains them linked to the university. Alumni contribute to the university's growth by providing their experience in a variety of ways, including as external examiners, guest faculty, and curricular feedback.

By providing the required infrastructure and initial money,

the IARE encourages alumni entrepreneurs to incubate their ideas at IARE Start-up park.

For online registration of Alumni Annual Meetings, a separate website(<https://www.iare.ac.in/?q=pages/alumni-meet>)has been set up

(<https://www.iare.ac.in/?q=pages/alumni-meet>).

The final year students of every programme are registered on the alumni website

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/alumni-meet

5.4.2 - Alumni's financial contribution during the year

B. 10 Lakhs - 15 Lakhs

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 an effective leadership in tune with the vision and mission of the Institution

The Institute is managed by the Governing Council (GC) consisting of members of the society. The GC is responsible for providing a perspective plan for the institution with clear goals, policies, and strategies.

The institute is governed by the Governing Body (GB) which includes the members of the management, an industrialist, and nominees from affiliating university, UGC, and State Government. The governing body also nominate two senior academicians from the reputed institutions. Two senior faculty nominated by the Governing Council are also the members of the Governing Body. Principal of IARE is the ex-officio of the Governing Body. Major decisions which include

considering and approving the institution strategic plans to achieve the goals of the institute. Finance committee will address all the issues of budgeting and purchases.

The academic Council has been constituted with the Principal as the Chairman, three members from the University, four experts from outside the college representing such areas as Industry, Commerce, Law, Education, Medicine, Engineering, Sciences etc. nominated by Governing Body, all Heads of Departments, Four Senior Faculty of the College and a Member Secretary. The academic Council is the principal academic body of this Autonomous Institute. It is responsible for laying down, regulating, and maintaining the standards of instruction, education and examination within the Institute. It has the right to advise the Governing Body on all academic matters.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/leadership-and-administrative-duties

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

IARE pursues effective leadership through decentralized and participatory management that includes all stakeholders. The Principal is the institution's head, assisted by Department Heads, Deans, the Controller of Examinations, the Librarian, and the Administrative Officer. The delegation of power is carried out in accordance with the organogram, which is available on the institute's website.

The decentralization and participative management is reflected in all the academic and administrative activities of the Institute. The Institute has identified the key functional areas and identified the senior faculty members as deans to handle such responsibilities as a step towards decentralized and participative management. The heads of the department, Council of Deans and Student Council are responsible for all the academic and support activities of the Institute. In addition to heads of the department, the deans are appointed for (i) academic, (ii) Industry Institute

Interface, (iii) Planning, Monitoring & Continuing Education, (iv) IQAC, (v) Learning and Educational Technologies, (vi) Policies, Development and Internal Audit, (vii) Research and Development, (viii) Computational Studies, (ix) Outreach, Inclusivity and Extension activity, (x) Information and Communications Technology, (xi) Science and Technology Startup Park, (xii) Brand Building and Entrepreneur Leadership, (xiii) Technology Innovation and Incubation center, (xiv) International student affairs, (xv) Media, Publicity and Advertising, (xvi) Skill Development, (xvii) Career Counselling and Guidance, (xviii) Student Affairs, and (ixx) e-Governance. Deans of the institution are authorized day-to-day operations in their respective roles. Further, Heads of the Departments are responsible for the academic administration of their respective programs.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/perspective-strategic-plan

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

IARE firmly believes that its strategic planning, continuous improvement efforts, and consistent accreditation successes will help it to achieve its vision of being the leading and best institution in the country. During the "Growth Phase," the IARE leadership team created the first strategic plan (2011-2016) to strengthen the infrastructure. In the second decade, the IARE leadership team created a second strategic plan (2017-2022) during the "Development Phase" that focused on IARE's vision and "Make In India" campaign, taking the lead as a higher education institution, and having a greater impact on society, with its ambitious themes to become "LEADER." IARE adopts new and emerging technologies to provide a richer educational experience by following a strategy based on the SWOC analysis, which includes

innovative social learning spaces, an online learning environment, and the use of digital technologies on-campus, next-generation computer laboratories, and state-of-the-art research facilities. The Institute has created a strategic plan based on six defined strategies, which can be found on the Institute's website.

- Increased placements from 420 to 1692 in last 5 years
- Continuous participation in program specific accreditation by National Board of Accreditation
- Continuous participation and consistency in NIRF and ARIIA ranking since last 5 years
- Improvement in scholarly publications with the institutional h-index of 23 (3274 citations)

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/perspective-strategic-plan
Upload any additional information	View File

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

The administrative structure of IARE has been defined in order to achieve operational effectiveness and efficiency. The Governing Council (GC) is the Institute's highest body, comprises of management representatives. The following are the Institute's various decision-making bodies, each with its own functional area.

- **Governing Body:** The governing body comprises a consortium of experts from industry and academia. This body holds meetings to carry out discussions on various issues concerning the growth of the college twice a year. The members of the body take major decisions like consideration and approval of strategic plans to accomplish the goals set by the institution.
- **Academic council:** The policies are duly formulated by the academic council with the approval of the governing body. These policies are further implemented by the

heads of the departments and faculty for the efficient functioning of the institution.

- **Finance Committee:** The finance committee examines accounts, expenditures, and proposals that require new expenditures and submits to the Board of Governors for approval of the governing body.
- **Board of Studies:** Every department of the institution has a board of studies and conduct meetings two years once to review the syllabus.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.iare.ac.in/?q=pages/organization-chart
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/leadership-and-administrative-duties

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institute emphasizes welfare and career progression as the essential aspect for teaching and non-teaching staff, and formulated policies for their career growth. The following

are the welfare measures adopted by the Institute:

Welfare Measures cum career development schemes for Teaching Faculty:

- Sponsorship to attend the conferences, faculty development programs, workshops and seminars by providing financial aid for registration and travel
- Financial support in filing, consultation, and commercialization of patents
- Financial aid for conducting and attending Skill-Development programs
- Incentives for publishing articles in journals, books, book chapters, and conference papers to encourage the research ecosystem at the Institute
- Financial support for membership in professional bodies like IEEE, IE(I), CSI, ISTE, ACM, IETE, ASME, SAE, etc.
- Financial assistance for Ph.D. enrollment
- Professional Development Allowance for faculty who supervise PhD students
- Encouraging employees to pursue higher education on a full-time or part-time basis through academic leave
- Seed grant up to 10 Lacs to support R&D activities, IPR, product development, and consultancy work
- Supporting International collaborations with travel grants for International-Exchange programs and visiting eminent universities across the globe
- Sponsoring for competency building visits (both at national and international level)
- Opportunities for international exposure as per norms (MoUs with foreign universities)
- Incentives for e-content development as part of ICT initiative of the Institute

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/NAAC/documents/c6/6.3.1_Welfare_Measures_2021-22.pdf

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

161

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 programmes organized by the Institution for its teaching and non-teaching staff during the year

23

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

258

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Internal financial audit: Finance committee of the institute ensures effective budget utilization and monitors the

financial transactions. The outcomes of the audit will be discussed in quarterly financial committee meetings and any finding of the audit will be addressed during this meeting. The internal audit helps the institute for the optimal allocation and utilization of the budget, confirming the compliance with legal and regulatory requirements. The internal audits will help the departments and other offices for effective utilization of budget.

External financial Audit:

The book of accounts is audited by an independent external auditor (Mr. Gowtham Polluru, M.NO.234405) at the end of every financial year and auditors report is filed under section 12A (b) of the income tax act of government of India. The auditors take an account of various verticals of operation and legislative framework in which institute operates. The audit statements are made available on the institutional website.

The audit objections raised by the external auditors will be addressed by the finance officer of the institute and recorded. The internal and external audit mechanism is strictly comply with their requirements of regulatory bodies.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=audited-statements

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

4.43

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The institute's resource mobilization policy focuses on achieving the institution's goals while maintaining accountability and transparency. Management coordinates and monitors the best use of the funds. Tuition fees collected from students are the institute's primary source of income. The tuition fee collected by the institute is regulated by Telangana Admission and Fee Regulatory Committee Constituted by Govt. of Telangana vide G.O.RT.No.160, HE Dept., dt:22.07.2015

Mobilization of financial resources basically involves the following steps:

- Effective administration that nurtures quality and promotes a competitive environment among the faculty that results in additional revenue generation.
- Identification of platforms and opportunities for obtaining grants from various non-governmental organisations, including fund-assistance organisations, corporations, and individuals, including philanthropists and alumni, and work toward entering into appropriate agreements and collaborations.
- The institute encourages the faculty to apply various grants and enhance research activities. The students are also encouraged to apply for funding for students' project. The grants are received from DST / AICTE / SERB / MSME for research activities. These funds are spent based on the guidelines of the funding agency. The audited utilization certificates are submitted to sponsoring agencies upon the completion of the projects.
- Feasibility studies are done before start of new

programs and institutions lay emphasis on the quality of education, before venturing into new programs / institutions.

- The Annual budget of revenue and expenditure and capital is placed before the finance committee and it is approved finally by the Governing Council.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/?q=pages/research-h-projects

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

significant improvement over the last five years.

Practice 1 - Career and Employability Skill: The Careers and Employability Skills Training (CEST) is a unique and dedicated program under "Careers Development Center". The advent of globalization has opened up Indian economy to the outside world. The competition among industries has become stiff; therefore, it is urgently needed to prepare engineering students for jobs in multinational companies, by exposing them to newer technologies and engineering methodologies. CEST is there to create a healthy environment by engaging Industry and Academia resources combined in skill building programs (SkillUP and SkillBridge). A gap between training and placements is usually observed in academics and to combat this gap, skill building programs are designed with industries. This approach has ensured better interaction between industry and academia, enhancing relevant skills and also innovative thinking amongst the students. The main objective of this practice is to ensure that the students will demonstrate a clearer understanding of the career exploration process and how their own skills and interests match up to a chosen major/career path. The outcomes of this practice has improved the placement statistics as tabulated below since last accreditation.

S. No
Activity
Cycle 1
Cycle 2
1
Workshops
110
740
2
Internships
658
1500
3
Industry projects
115
145
4
Placements.
2500
4538
5
Average Salary
3.2 Lacs

6.5 Lacs

6

Median Salary

2.5 Lacs

5.5 Lacs

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/skill-development

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC committee periodically reviews teaching learning process and other quality parameters of institute and suggest the necessary reforms to be undertaken towards continuous improvement. IQAC conducts periodic workshops to improve instructional methods in line with OBE framework. The following are two examples.

Reviewing teaching learning process: The institute undertakes the following steps to monitor the quality of teaching learning:

- For each course, the course coordinator prepares course full stack material. It includes course descriptor, lecture notes, lectures wise PPT and Early Learning Readiness Videos (ELRV) produced in ICT studio of the institution. The definitions and terminology for each course are provided to articulate basic knowledge that they have learned in the course.
- The research based and product-based learning approach is used for imparting effective 21st century capabilities for promoting critical thinking as well as problem-solving, interpersonal communication, leadership and teamwork, innovation, and creativity.

- The tutorial question banks for each course taught are given to the students.
- Technology assisted TTCV (Tech Talk and Concept Video) is given to the students for improvement of communication skills and presentation skills, especially speaking skills.
- Provision for full semester internship (FSI)
- Follows the Bloom's Taxonomy and emphasis is laid on cognitive learning.
- Peer-to-peer learning by using flipped class rooms.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.iare.ac.in/?q=pages/teaching-learning-process

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.iare.ac.in/?q=pages/annual-reports
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

IARE has around 42% female faculty and 32% female students. As part of the curriculum, courses on Gender sensitivity, Essence of Indian Traditional Knowledge, Constitution of India, Ethics & Human Values, etc. address issues related to gender equity. The institution promotes gender sensitization through co-curricular and extracurricular activities like workshops, seminars, guest lectures, street plays, poster exhibitions, counselling etc. Further, awareness programs like importance of human rights, rights of women in domestic problems, cyber security, etc. related to the safety and security of women employees and students are conducted periodically. Women faculty has given equal opportunity in all academic and administrative roles, such as CoE, deans, heads of the departments and conveners of various committees. Even the placement records of the institute reflect approximately 50% placements share to female students. Every year IARE celebrates International Women's Day.

Exclusive infrastructural facilities for women:

- Separate Gymnasium for female students
- Common room for female students in all academic blocks
- Exclusive ladies' hostel
- Special sports promotion programs
- A daycare center
- Sanitary Napkin Vending Machine

Safety and security measures for women at the Institute:

- Availability of lady doctor
- A gynecologist visits the campus every week
- Exclusive professional counsellors for female students

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.iare.ac.in/sites/default/files/Policies/GENDER_EQUALITY_AND_EQUITY_POLICY.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	A. Any 4 or All of the above
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File Description	Documents
Geotagged 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 a maximum of 200 words)

The institute's waste management & recycling policy supports the universal goal to reduce the number of wastes entering the waste stream.

Solid Waste management:

Solid waste is collected using coloured bins i.e., Blue for dry waste, Green for wet waste, and Red for e-waste collection. Drywaste includes dry leaves, paper, cardboard, glass, tin cans, etc. Wet waste include food waste generated in canteen and other places inside the campus which are segregated, composted, and disposed to biogas generation plant located near canteen. The biogas generation plant is of capacity of 2cubic meter gas production per day which is equivalent to 0.8 to 1 kg of LPG. The collected plastic is shredded using AVANTI BS 200P machine is sent for recycling.

Liquid Waste Management:

Waste water generated from canteen and toilets is segregated and treated in STPwith capacity of 30,000Lts/day.The treated water is reused for flushing and gardening purpose in the campus. The sludge settled in the STPs is cleaned once in a week and composted. The compost is also used as manure for the gardens.Rain water recycling mechanism is adopted.

E-Waste Management:

E-wastes are regularly collected from source points, are stored in an e-waste storage area. Institute has MoU with M/s

Ramky Environ Engineersfor e-waste management. E-waste generatedis collected regularly anddispatched through authorized vendor, on a monthly basis for recycling. IARE adheres to and practices a sustainable and healthy waste management system is aimed at making the campus green and ecofriendly.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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

A. Any 4 or all of the above

File Description	Documents
Geotagged 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
Geotagged 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 undertaken by the institution

<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3.Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment,</p>	<p>A. Any 4 or all of the above</p>
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etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	No File Uploaded

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

IARE provides an inclusive environment with diversity in terms of culture, region, linguistic, communal, socioeconomic and other aspects. While enjoying the wide cultural diversity among its students and faculty, IARE has been successfully maintaining peace and harmony in all these years without any single episode of intolerance leading to campus unrest.

Efforts to handle Cultural diversity:

IARE accommodates the culturally diversified students by encouraging the exchange of cross-cultural ideas and celebration of the festivals of different culture.

Efforts to handle regional diversity:

Apart from various districts of Telangana, the institute houses students from the other states of India. IARE every year organizes "SAMSKRUTHI", traditional day that showcase of cultures around the nation.

Efforts to handle Linguistic and communal diversity:

English is used as a medium of teaching in all the classrooms to bridge the gap between the region-specific teaching and

the expectations of the students and faculty of the other states.

Efforts to handle Socioeconomic diversity:

To overcome the socioeconomic barriers, the institute has facilitated the students to receive scholarships and awards from government and non-government organizations. Around 50% students every year are benefited by fee-reimbursement scheme of Telangana government.

- Bathukamma is a colorful and vibrant festival of Telangana, celebrated by women, as a symbol of Telangana's cultural identity.
- Ayudha Pooja-Navaratri festival, traditionally celebrated every year.
- The EBSB club of IARE conducts various activities that promote the culture, traditions of the country.

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

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

The Institute has incorporated courses / modules on the constitution of India and civil responsibilities in many of its programs. Co-curricular activities are also organized to sensitize students and staff to their citizenship roles. The values are inculcated through courses in the curriculum, namely Value Education, Yoga & Values for Holistic Development, Universal Human Values: Understanding Harmony and Professional Ethics & Human values. In addition, Yoga and meditation club conducts regular programs to make our students to understand the value of being humane. Through various student clubs' various programs are organized to make the students realize their rights, duties and responsibilities.

The various programs organized are:

- Environmental awareness programs

- Health awareness programs
- Vigilance Awareness Week
- Village adoption programs Harithaharam
- Blood donation camps
- Model United Nation
- Slum Development and up-gradation process

Through Career Development Centre, the achievers in various fields are invited to provide a motivational talk and they have shared their experience. These series of lectures have made students to be positive and to have a responsibility to revert back to the society at their later stages of life.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the 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 programmes, etc. in support of the claims	View File
Any other relevant information	No File Uploaded

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

IARE celebrates many national events to create awareness of rich cultural heritage of the nation. National/International commemorative days are regularly being celebrated and observed in IARE. All staff members and students gather in the college to celebrate these days. Celebration of cultural and constitutional festivals is the integral part of college's co-curricular activities. Throughout session different days are celebrated by students with guidance of teachers to help them to know about different cultures and to cognitively imagine India as a nation.

The important national and international commemorative days conducted by the institution are as follows.

- Republic day
- Independence Day
- International Women day
- International Yoga Day
- Teacher's day
- Gandhi Jayanthi
- Swachhta Divas
- National Constitution Day
- World Environment Day
- National Integration Day Road
- Safety Day
- Energy conversation day
- National Science Day

Some special events like tree plantation drive are conducted on 2nd October of every year to spread over harmony among one and all and also International Yoga Day is celebrated on 21st June of every year to spread awareness about Yoga as mean for healthy life.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best Practice - I:Transforming into a Digitally Empowered Institution - Use of effective online platform to address the limitations in Teaching - Learning mechanism

IARE is designed to make the system user-friendly, time saving and cost saving also. Many of them are flexible enough to adapt to the changing educational environment efficiently and quickly. IARE has established a comprehensive online solution that would convert all such systems in place into common modules and integrate existing data and solutions with the new system in place. IARE is providing digital services to admin office, student, staff, library, examination cell and placement cell through various portals such as Samvidha, e-ExamDesk, ESLO, BuildIT and Akanksha. Latest cloudbased technology is employed to address all of the challenges of online education and assessment. Appropriate security measures are taken for maintaining confidentiality and integrity of data using Amazon Web Services (AWS).

Best Practice -II:Skill development initiatives for Overall development of students and enhance start-up culture to promote entrepreneurship

Objectives of the Practice:

- transformational education experience to meet skill requirements of the industry
- provide multifaceted eco system to inculcate product development skills among students
- develop rational thinking and research culture among the students and faculty
- attract resources including funding opportunities for entrepreneurial experiments
- develop an innovation culture with societal obligations

IARE provides best eco system for the students to pursue their dreams. IARE strongly believes and motivate students to be Job givers and not Job Seekers.

File Description	Documents
Best practices in the Institutional website	https://www.iare.ac.in/?q=pages/iare-best-practices
Any other relevant information	https://www.iare.ac.in/NAAC/documents/c7/7.2.1 Best Practices.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Program: Institutional extension activities for rural development and community empowerment

IARE not only enriches the lives of students and faculty members, but also contributes to the development of communal cohesion. Several extension efforts are carried out by the institute for the benefit of the surrounding villages and deprived community. The infusion of technology into tribal women's traditional customs sparked the concept of empowerment.

The institute has received 160 lacs funding from Department of Science and Technology, Government of India for the project titled "Poverty alleviation and upliftment of women through mechanized manufacturing of traditional ornaments and house hold products" in the year 2020. Tribal women (i.e., Lambada women or also called as Banjara's) living in Dundigal Thanda I and II are manufacturing their own ethnic dresses,

traditional ornaments and household decorative items.

IARE offers a variety of community empowerment programs for deprived community in the proximity area. The following are the sample activities that are conducted periodically:

- Awareness program on socio-economic and sustainable development of the country
- Awareness program on new horizons of Science Technology knowledge to support elevating several agricultural rural challenges through applied Science Technology
- Teaching Tools and Digital Resources For school teachers
- Use of Mobile Applications for Digital Payment and eGovernance Services - for rural Women
- ICT Computer Skills Training to Govt School students
- Training on Digital Literacy for sweepers, attenders, drivers
- A School awareness Program on Real-Time Applications of Sensor Based Appliances
- Awareness program on national needs for rural India

File Description	Documents
Appropriate link in the institutional website	https://www.iare.ac.in/?q=pages/iare-distinctiveness
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

The plan of action for the academic year 2022-2023 is:

- Foster and enhance crossdisciplinary and cross-campus research programs
- Increase faculty awareness of funding opportunities by knowing and disseminating sponsor funding sources and trends
- Establish specialized research laboratories and centers of excellence to train the students and faculty
- Establish and strengthen a comprehensive advisory system with experts in curriculum development
- Consolidate the system for holistic development of students learning system
- Recruiting outstanding and diverse faculty for

transforming students into an employable workforce

- Creating public perception/ Brand image of the institute in society
- Enrich networking Number of alumni Chapters established amongst alumni for professional development
- Encourage faculty to improve qualification
- Retention of well-qualified and experienced faculty
- Encourage the faculty to develop and promote the products/technology
- Promote global knowledge exposure
- Reposition of institute on the regional and global map of higher education
- Continue to improve national rankings and participation international ranking
- Appropriate integration of Indian Knowledge system
- Conduct Industry Academia Meet (IAM) with the involvement of officials from both Government and industry
- Transform students into an employable workforce and entrepreneur