



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1. Name of the Institution

Dr. Ambedkar Institute of
Technology

- Name of the Head of the institution **Dr. C. NANJUNDASWAMY**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone No. of the Principal **08023211231**
- Alternate phone No. **08023211232**
- Mobile No. (Principal) **9448739885**
- Registered e-mail ID (Principal) **principal@drait.edu.in**
- Address **BDA Outer Ring Road,
Mallathahalli**
- City/Town **Bengaluru**
- State/UT **Karnataka**
- Pin Code **560056**

2. Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **09/10/2010**
- Type of Institution **Co-education**
- Location **Urban**

- Financial Status **Grants-in aid**
- Name of the IQAC Co-ordinator/Director **Dr. B SIVAKUMAR**
- Phone No. **08023211231**
- Mobile No: **9844468883**
- IQAC e-mail ID **iqac@drait.edu.in**

3. Website address (Web link of the AQAR (Previous Academic Year)) <https://drait.edu.in/home/AQAR-Reports>

4. Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: https://drait.edu.in/assets/latest_news/Odd_Sem-COE-2021-22.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.17	2017	09/06/2017	08/06/2022
Cycle 2	A+	3.48	2023	21/08/2023	20/08/2028

6. Date of Establishment of IQAC **09/06/2016**

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
Dr AMBEDKAR INSTITUTE OF TECHNOLOGY	TEQIP-II	WORLD BANK	01/04/2017	84000000

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 **2**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **No**

- If No, please upload the minutes of the meeting(s) and Action Taken Report [View File](#)

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)

Internal NAAC audit conducted by external experts

International women's day celebrated in the college

AICTE approval of the college

University affiliation of the college

Conducted Lecturer series on Quality Initiatives

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
Faculty workshop to be conducted on pedagogical practices .IPR and Innovation Cell to be initiated to frame courses related to IPR and Social Entrepreneurship .SWOT analysis will be done to reduce the research barriers among Faculty members	The IQAC has created a forum for sharing information among the young faculty members regarding different courses conducted by various HRDCs across the country. Each stakeholder has been sensitized about the importance of such programmes/ courses as these courses open up vistas of new knowledge so important to nurture the quality culture of the college.
Faculty Workshop to be conducted for NBA,NAAC,QS I-Gauge	Faculty Lecture Series was conducted to fulfill awareness and importance which yielded good results

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
GOVERNING BODY	25/09/2021

14.Was the institutional data submitted to AISHE ? Yes

- Year

Part A

Data of the Institution

1.Name of the Institution	Dr. Ambedkar Institute of Technology
• Name of the Head of the institution	Dr. C. NANJUNDASWAMY
• Designation	Principal
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GOVERNING BODY	25/09/2021				
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2022	11/05/2022				
15.Multidisciplinary / interdisciplinary					
Multidisciplinary and interdisciplinary are important research approaches followed by the institution. Faculty members and students from different streams are encouraged to take the					

project with other department students and faculty members They share research goals and work on the same problem but look at the perspective of their own disciplines. The findings from each discipline are supplemented to each other.

16.Academic bank of credits (ABC):

Academic Bank of Credits (ABC) The government of India, Under National Education Policy-2020, intends to enable students across the nation with the "Academic Bank of Credits" (ABC) system for fulfilling their thirst for knowledge by providing academic flexibility to pick and modify their educational paths, link diverse disciplines, and; assist them in acquiring the proper foundations and building blocks for their ambitions. The "Academic Bank of Credits" (ABC) is a digital educational platform created to facilitate students' seamless mobility between or within degree-granting Higher Education Institutions (HEIs) through a formal system of credit recognition, credit accumulation, credit transfers, and credit redemption in order to promote distributed and flexible teaching and learning. The ABC platform will provide students (having a DigiLocker account) with the opportunity to register for a unique ABC ID, an interactive dashboard to see their credit accumulation, and options to begin a choice-based credit transfer mechanism. ABC Nodal Officer: Dr. Umadevi H (umadevi.ec@drait.edu.in)

17.Skill development:

In accordance with the guidelines given by National Skill Development Organization, enhancement of employability skills has been a part of the education imparted in the college along with the academic curriculum. The Initiatives made by the institute to improve the skills of the students are as below: The college conducts competitions and workshops on prototype development through a) workshops on circuit simulation and circuit building, b) mini projects, c) competitions on Robot Design etc. to enhance the knowledge and skills of the students. Organizing the courses like LABVIEW, MATLAB, etc in the modular form to enhance higher order skills of a student. Students are encouraged to participate in competitions held by Texas Instruments, India, Indian Institute of Technology, Mumbai, and other engineering colleges to test their capabilities in the design, development and fabrication of electronic circuits/systems etc. . Students are encouraged to participate in smart India hackathon Skill Development Nodal Officer: Dr. Umadevi H (umadevi.ec@drait.edu.in)

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

Online / blended classes were conducted for the benefit of students. Online continuation internal evaluation (CIE) and Semester End examination (SEE) were conducted as per VTU guidelines Kannada during Covid which is part of the curriculum was taught online

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

The Institute has clearly stated the learning objectives in terms of Program Educational Objectives- PEOs and learning outcomes (in terms of Program Outcomes- POs and Course outcomes - COs) for each program. POs are met through the attainment of course outcomes of all courses concerned in that program PEOs define the capabilities, the graduates of the program are expected to achieve over a period of three to four years of their graduation while the POs define the capabilities the students of a program are expected to achieve at the time of graduation. Program Outcomes are in line with the Graduate Attributes (12 Nos) defined by National Board of Accreditation, India Since PEOs describe the career and qualification accomplishment of the graduates, the statements are almost common to all the programs. These statements give emphasis on knowledge, skill and attitude. This includes: PEO1: Demonstrate technical competency by applying knowledge to solve problems related to engineering issues. PEO2: Exhibit skills and appropriate attitude to succeed in their professional career. PEO3: Display thirst for emerging technologies and quest for innovation with concern to society and environment. Program outcomes, though in line with Graduate attributes, vary slightly from program to program. The POs of UG program of Electronics and Instrumentation Engineering are presented below as an example. Course outcomes, the abilities of the students at the end of every semester for each course is defined by the respective course coordinators. The PEO, POs and COs are reviewed by Board of Studies/ Departmental Advisory Board at the beginning of every academic year and are made available to respective stakeholders by following means: Both PEOs and POs are displayed on the college website:<http://www.drait.edu.in> . PEOs, POs, and COs for all the courses of every programme are displayed in the curricular book and is distributed to all the students The outcomes expected from the students for the programme are displayed at prominent places in the department. Apart from this, the outcomes expected from the students are decimated by faculty members in the orientation classes / beginning lecture at every semester. All the departments are NBA accredited for few times

since 2007. All the teachers are aware of outcome based education.

20.Distance education/online education:

During covid -19 lockdown situation Online / blended classes were conducted for the benefit of students. Online continuation internal evaluation (CIE) and Semester End examination (SEE) were conducted as per VTU guidelines Online project evaluation and mini project evaluation were conducted. All course materials are shared among students and also uploaded to the College website Videos of practical experiments were uploaded to the college website

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	3
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File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 Total number of students during the year:	4216
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File Description	Documents
Institutional data in Prescribed format	View File

2.2 Number of outgoing / final year students during the year:	973
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File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	4265
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File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	22
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	249
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	246
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	848
4.2 Total number of Classrooms and Seminar halls	105
4.3 Total number of computers on campus for academic purposes	1600
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	54.35

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 curriculum is designed as per the guidelines of Outcome Based Education (OBE). Accordingly, the mapping of various criteria's made with the curriculum. The starting point is the input from faculty, industries, lead societies, and roadmaps. The Department committee identifies faculty members with relevant specializations and assigns the curriculum design to them. Faculty members prepare the course curriculum incorporating the latest developments in the respective subject domains. The Department committee lists the courses and prepares a semester-wise sequence of courses and a scheme of study. Periodically department committee meets & revisits the curriculum. The proposal is placed before the Board of Studies (BOS)/Department Advisory Board (DAB) of the Department, for deliberations and suggestions. The assessment of needs is carried out on the basis of the following: Feedback from all the stakeholders. The curricula designed are mainly focused on Employability, Innovation, and Research. **Employability:** The curriculum and syllabi of both UG and PG programs are prepared with the contribution of industry representatives to meet their general and specific requirements. Most of the courses of the UG and PG programs enable the students to enhance their technical and logical skills.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://drait.edu.in/assets/files/Academics/1st%20year%20(1st%20&%202nd%20semester)%20Syllabus%202021-22.pdf

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

17

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

338

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

514

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

In order to integrate the cross-cutting issues relevant to gender, Page 12/115 13-02-2024 09:55:59 Annual Quality Assurance Report of DR. AMBEDKAR INSTITUTE OF TECHNOLOGY environment and sustainability, human values and professional ethics, Institute has embedded different types of courses in the curriculum. 1. Gender Sensitivity Gender sensitivity and gender sensitization is accomplished through amalgamation of theory and practice. The Committee on womens security, welfare and grievance redressal is constituted and is organising workshops on gender sensitisation. 2. Human Values and Professional Ethics One credit courses on Social connect responsibilities, Constitution of India and professional ethics & Universal Human values which are introduced to all the students. As an integral part of student engagement in social activities during their programme of study, college also mandates all the students to enroll as NSS/NCC Volunteers. It aims at inculcating values, ethics and socially responsible qualities. Students organize street plays, awareness campaigns, debates etc. Human values activities by students are being conducted since inception. 3. Environment studies A course on Environmental studies is included in all UG programmes. In order to sensitize students about the environment and sustainability issues, a number of activities such as seminars, workshops, guest lectures, industry visits and field excursions were organized for students of all programmes.

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

15

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

4935

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

2498

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 **A. All 4 of the above**

obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

File Description	Documents
Provide the URL for stakeholders' feedback report	https://drait.edu.in/home/StakeHolders-Feedback
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://drait.edu.in/home/ATR-Feedback-on-Syllabus
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

954

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)

359

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.

At the time of course registration, a team of faculty members assigned as mentors interacts with the students to get to know their background of the student and if he/she requires any special attention. The key issues generally identified are: Whether he/she comes from a rural area or the medium of his/her school learning. Generally, they lack confidence and clarity while speaking in English. In general, they lack communication skills. Some of the students are from an economically poor backgrounds and have financial problems. Some of the students seem to be weak in understanding basic principles associated with engineering courses. This is generally evident from their CET score and their score in Physics, Chemistry and Mathematics.

Remedial Actions Initiated: To address the problem of the English language, and communication skills, a one-year course is included in the curriculum so that students learn technical English and develop communication skills through Language Laboratory. As far as financial problems are concerned, students are informed about various government and non-government schemes (Scholarships, Loan facilities, etc.,) and enough guidance is given for applying for financial assistance. The academically weak students are given personal attention by the faculty of the first year by conducting a number of extra lectures and remedial classes so as to improve their understanding. The different categories of students admitted in the system like reserve categories, OBCs and minorities are mixed properly in different groups to encourage inclusiveness and overall growth of the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Academic-Regulations

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
23/06/2022	4362	249

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:

The Institute practices a teaching methodology that focuses on imparting education through a studentcentric approach. All the courses are defined highlighting course objectives and course outcomes, This provides a comprehensive understanding to the student right at the beginning of the course as to what should be the primary focus. Experiential Learning: The Institute imparts the following experiential learning practices to enhance the creativity and cognitive levels of the students: Innovative methods of teaching such as Audio- Visual methodology, Language Lab, etc Students are given information about the specific websites for accessing E- Material, and the availability of learning material, and are also exposed to NPTEL, QEEE, etc., to enable them to learn the topics of their own interest. Non-credit courses including employability skills are provided to evolve the aesthetics of the students. Laboratory Sessions are conducted in an interactive way. Students get hands-on training by carrying out internships in Industries. Industrial Visits to engage them in experiential learning. Certification Courses (Value-Added Courses) Participation in simulated events such as hackathons where they acquire experience working on some real-life model. Project development on the latest technologies by students where they showcase their working model in the technical fest.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://drait.edu.in/home/Placement-Training

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

The latest technologies and facilities used by the faculty for effective teaching are: Computer-aided teaching methods through PowerPoint Presentations using LED projectors E-learning material (e-books and e-journals), NPTEL, QEEE Digital Library ICT usages such as SMART board with data storage facility etc. WiFi-enabled campus allows students to learn from any corner of the campus The following facilities are made available by the college to facilitate computer-aided teaching/learning: Each department is provided with sufficient computers, Notebooks and laptops for faculty members with internet facilities. Each department is provided with LED projectors and a multimedia facility to conduct Guest lecturers or seminars. A magnificent Digital Library with online access to IEEE, Springer, Elsevier, ASME and ASCE is available in the Institute. Digital Library has the e-resources like DELNET, N-List, CDs/ISIS, NPTEL Material, etc. Laboratories are equipped with modern learning software. All academic practices (like uploading of the syllabus, a question bank, attendance, results in announcements, etc., are computer-based. Apart from the facilities available at the college, some orientation courses are conducted for the newly joined faculties. Also, the institute encourages faculty members to participate in workshops organized by other institutes.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://drait.edu.in/home/eResources
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

248

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

Preparation and Adherence of Academic Calendar: Every semester the Dean(Academic) prepares the Academic Calendar for the institution's effective functioning. The draft calendar is discussed and approved by the College Council. The Academic Calendar ensures the smooth functioning of the Institution. The academic calendar provides the total effective working days available in a given semester. The Calendar includes the details of all the working days, holidays, dates of the Continuous Internal Assessment Tests, submission of attendance defaulter reports, Examinations, declaration of results, list of activities of the academic year, and the dates of national as well as religious importance. The same is also uploaded on the website. The institution carries out the activities as per the calendar.

Teaching Plan: All courses are handled as per the schedule in the academic calendar and timetable. The faculty prepare a unit-wise teaching plan, describing timescale, teaching aids, methods of teaching learning, and assessment of the same and it is duly approved after careful examination by the Head of the Department and made available to the students.

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

248

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

99

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)

3228

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

21

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

05

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	No File Uploaded

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

Dr. Ambedkar Institute of Technology has been continuously carrying out reforms in its examination procedure through the integration of IT in all the procedures and processes of the examination system. The reforms are made in respect of Continuous Internal Assessment procedures. Semester End Examination procedure has been automated using in-house IT software. The IT integration has modernized the entire examination process and has speeded up the functioning mechanism while making the whole process more transparent. Continuous Internal Evaluation is conducted at respective departments. The B-forms are prepared at the examination section based on the room allotment. The software is developed to print the B-forms at the department for the smooth conduct of the CIA. CIA marks are submitted to the examination section by the faculty members from the department using IT infrastructure. CIA marks are published on the institute's website. It includes marks secured by the students, attendance status NSA and NSC details.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://results.drait.in/

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

Program Outcomes (POs) are broad descriptions of the professional achievements that the programme seeks to achieve and these are expected of the students by the time the programme is completed. The information, abilities, and personality traits that students must develop in order to graduate are included in several different interrelated categories of POs. The specific skills and accomplishments that students must demonstrate at the micro level and by the program's conclusion are known as Programme Specific Outcomes (PSOs). In cooperation with the course coordinators, the programme coordinators create the PSOs. Course outcomes (COs) are clear assertions of what students should know and be able to do after completing the course. They also characterize the depth of learning that is anticipated. The department offering the relevant programme develops the Program Specific Outcomes (PSOs), Programme Educational Objectives (PEOs) and Course Outcomes (COs) in strict conformance with the goals of Outcome Based Education (OBE) following extensive consultation with all faculty members and stakeholders. The HODs educate the students on POs, PSOs, PEOs and COs while speaking to them. Faculty members, mentors, course coordinators, and programme coordinators also provide information to students and raise their awareness of the significance of the objectives

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://drait.edu.in/home/Computer-Science-and-Engineering-Syllabus

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

The curriculum and syllabus are developed by taking into consideration all the POs, PEOs, PSOs and COs. During the commencement of the semester, the target value for the course will be fixed by the Course Coordinator. The method of assessment should be informed to the students clearly. The Faculty members will do a review of the assessment in due course, and suggestions will be provided for the necessary actions for improvement. The POs, PSOs and CO attainments are evaluated through direct & indirect measures. Direct Assessment Tools: 1. Continuous Internal Evaluation (CIE): Three internal assessment tests will be conducted in all the theory courses in a given semester. Each assessment includes both objective and descriptive questions. The sum of the best two performances out of the three assessments will be considered as the final CIE Marks along with assignments and group activity for a maximum of 50 marks. Indirect Assessment Tools: 1. Graduate Exit Survey: Student input is vital to our program evaluation process. The results of this survey contributes to the overall program assessment established in the department to maintain the quality of our graduate program.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/NBA

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

1257

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	No File Uploaded
Paste link for the annual report	https://drait.edu.in/home/Mandatory-Disclosure

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://accounts.google.com/v3/signin/confirmidentifier?authuser=0&continue=https%3A%2F%2Fdocs.google.com%2Fforms%2Fd%2Fe%2F1FAIpOLS c2Q13cNw84ogrDtRnPXwOTdNtn_4po9zj3BmhlqjV3smaV8q%2Fviewform&follow up

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

Research Facilities are as follows

1. Virtual Instrumentation Lab
2. Oil Testing lab
3. Material Testing Lab
4. Mobile Communication Lab
5. Texas Instrumentation Lab etc

R&D for 15 departments are budgeted for upgradation is sanctioned by the Management

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://drait.edu.in/home/R-and-D-Cell
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)**

14.15

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

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

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)**

21.5

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

17

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/Funded-Research-Projects
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

54

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

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	http://www.vgst.in/
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.

Ambedkar Centre for Tech Startup (ACTS) - The Startup Cell The goal of ACTS - The Startup Cell is to stimulate the growth of tech startups in the institution. ACTS facilitates business growth by forging partnerships at the national and global levels. ACTS consists of Dr.AIT (Dr.Ambedkar Institute of Technology) faculty, alumni, and other individuals and partners from like-minded organizations to foster student entrepreneurship through incubation, ecosystem development, and academic initiatives. The ACTS startup cell helps student entrepreneurs to convert their ideas in becoming successful and profitable ventures by supporting them in project development and implementation, business planning, mentoring, commercializing their technologies, getting early seed funding, advice on intellectual property, training, and development. Call for Quarterly meetings of all the department Startup coordinators. Maintain documentation of the proceedings like meeting photos, Minutes of Meetings, and Meeting videos have to be uploaded to YouTube and the link has to be shared with competent authorities and any other proof. Keep a track of the Startup Activities / Progress of all the departments. Encourage Department Startup Coordinators to organize seminars, webinars, workshops, and other academic activities related to Startups, Incubation, entrepreneurship and IPR.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/ACTS

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

17

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

59

File Description	Documents
URL to the research page on HEI website	https://drait.edu.in/home/R-and-D-Cell
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

249

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

5

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/ACTS

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**

2992

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**

174

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)

4.77

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

4.59

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	No File Uploaded
List of facilities and staff available for undertaking consultancy	View File
Any additional information	No File Uploaded

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

The college encourages the faculty and students to initiate, participate and implement the programmes which contribute to societal awareness of various issues. Below are the few activities initiated and conducted regularly by the college students and staff members: Organizing regular blood donation camps. Tree Plantation Aids Awareness programme Clean Energy Rain Water Harvesting Health (Eye testing) Computer Awareness etc The students are encouraged and supported to organize/ participate in events where students have scope for working with others. Under this platform, students foster their talent in a variety of disciplines like a host of cultural activities including dramatics, singing, dancing, quiz, debates, music and more. Students participate in various inter-collegiate competitions, showcase their talent and consistently win awards. Every year college hosts SANSKRITI, an inter-collegiate fest, and the event regularly receives the participation of over 5000 students from across Karnataka. The programmes organized include Shramdan for campus cleaning, blood donation camps, Eye check-up camps, HIV and social Awareness programmes, tree plantation, village adoption, Personality development etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/NSS

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

43

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	No File Uploaded

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)

15

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

713

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

245

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)

15

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	No File Uploaded

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 was established in 1980 with three departments and the institute offers 13 UG, 07 PG and 15 Ph.D. Programmes up to June 2022. Two more UG programs are added during Academic Year 2022-23. Since then the adequate availability of physical infrastructure was duly identified and has been planned and constructed accordingly. The Institute has a total land area of 20.3 Acres of which about 54462 sq.m has been constructed with robust structures for various academic purposes including accommodation facilities for students (hostels). Apart from this 106 Classrooms for UG & PG programmes that include, 07 air-conditioned seminar halls, an Auditorium, faculty rooms, wide corridor space, good natural lighting and ventilation and an open-air auditorium with 1000 capacity are available. For the adequate availability of physical infrastructure and to ensure its optimal utilization following steps are followed by the institution:

- Head of the institution takes the responsibility of identifying the adequate requirements.
- Head of the departments and faculty members plan the requirements at the departmental level and submits them to the Head of the institution

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/

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

Cultural Activities: The college has an auditorium with good acoustics and lighting facilities a modern state-of-the-art sound system, with a seating capacity of 650. Recreational facilities in hostel/s like gymnasium, yoga center, etc.: There is provision for indoor sports facilities such as a fully equipped gymnasium, Table tennis, carom, and badminton court are provided. There are additional outdoor sports facilities for cricket, football, volleyball, basketball, and running track. There are leading hospitals are situated within 100 meters of the campus Viz. Fortis hospital and GM hospital provide ambulance services if required. In addition the Govt. run ambulances service is available on call to 108. The college has entered into MOU with Panacea hospital so as to get medical support for any emergency cases related to students, staff, and faculty members. The college has independent indoor and outdoor sports facilities and our students are regularly using them for their various sports activities. A qualified Physical Education Director (PED) is looking after the various sports activities. **Facilities:** Facilities like T.A. and D.A. and Entry fee for players of the College team players to participate in any tournaments in India is extended by the college.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Sports

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

85

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)

32.57

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)

Libsoft is a library software, which uses online support and RFID integration is done with this library software. Using this software we can save time in issuing and returning books and other materials from the library without library staff intervention. We will get reports of each and every student's log-in and log-out from the library issue, reference and digital library section. It is also possible to generate the report's unique titles, department-wise titles and day-to-day transactions. RFID software is integrated with libsoft for avoiding theft and thus secure books and it also can be used in finding the availability of required books by the faculty and students in the library easily. The faculty and students database is available and can be accessed easily by the books available in their account. Multi-user packages with databases loaded in the server can be shared with individual nodes. Automatic tracking of books for new orders, arrived, remainders etc. Web Opac is a web-based application. It will work on Intranet and internet services. It is also possible to search the current material within the campus and outside the campus. Stock verification can also be done easily through this software.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Mandatory-Disclosure

4.2.2 - Institution has access to the following: A. Any 4 or more of the above e-journals e-ShodhSindhu Shodhganga

Membership e-books Databases Remote access to e-resources

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)

43.92

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - 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

296

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

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

The College has a comprehensive IT policy to address standards on IT Service Management, Information Security, and Networks and allocated a budget for updating its IT facilities. The institution is regularly upgrading its infrastructure covering Wi-Fi, cyber security, software upgradation, ICT enabled teachinglearning. The

policies are applicable to Employees, Students and Visitors. Institutes have framed various policies like Procurement, Installation of Hardware, Networks and software. The violations of IT policy result in disciplinary action against the offender by institution authorities. The institution provides the annual budget for the upgradation of IT facilities and changes in the system as follows: Earlier the campus was enabled with an internet bandwidth of 1 GBPS but now it is upgraded to 1.50Gbps. The number of Wi-Fi routers also increased with high configuration and Wi-Fi network facilities were deployed across the campus & hostels. Students and faculty members get maximum benefits from accessing the internet to do their projects and research work. The Institute has a total of 1600 Personal Computers across the campus with i5 and i7 processors.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.speedtest.net/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3	1

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: B. Any three 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	No File Uploaded
Paste link for additional information	https://drait.edu.in/home/Computer-Applications-MCA-Materials
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)

348.66

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.

The College has a well-defined policy and system for the maintenance and utilization of all its physical and academic facilities. Classroom management: The classroom being the primary and important workspace, it is managed with proper systems and procedures as recommended by the Management and the University. It is followed keeping in mind the modern teaching-learning environment. The classrooms are well equipped with all modern technology like smart boards, mike systems, and other technologies for better and effective teaching. CCTVs installed in each classroom to make sure of the safety and security of all students, teachers and equipment. Stock list of assets of Classroom property, cleaning and maintenance are done on a regular basis, Annual Maintenance Contract (AMC) of all the modern teaching technology, and proper reporting system about repairs and replacements are the basic attributes of classroom management. As the College has basic Science departments, the Laboratory policy forms the core of the working of the institution. While the

Laboratory has several instruments and equipment, the same is maintained through AMCs.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Library-Rules-and-Regulations

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

1886

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

486

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://drait.edu.in/home/Placement-Training
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

4362

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

A. All of the above

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

625

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

116

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

27

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

24

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

Dr. Ambedkar Institute of Technology has given equal opportunities to be representatives of major statutory and non-statutory committees as per the regulations of statutory bodies such as AICTE, UGC, NAAC, VTU, GoK, etc. The Institute envisions an active Students' Council that would play a structural and integral role in all academic bodies and committees of the Institute like the Board of Governors, Academic Council, IQAC, Board of Studies, Electoral Literacy Committee, etc., by effecting an interface between academia and the administration for the larger benefit of the community. The Institute & departments have student technical clubs & Cultural teams which provide them to participate in various academic & cultural activities. Students are also given opportunities to be involved in social and community activities development through NSS like Blood donation camps, health camps, Swatch Bharat Abhiyan, etc. The students provide feedback on the teaching-learning process as well as various facilities on the campus such as the canteen, hostel facilities and transportation system. Annual College cultural events such as Kalarava, Maitri, Samskruti, Ethnic day, and Women's Day are being regularly conducted which help the students in showcasing their talents.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Minutes-of-Meeting

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

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

The Alumni Association has been contributing significantly to the development of the institution through financial and non-financial means during the last five years. Dr. Ambedkar Institute of Technology believes in maintaining a strong relationship and association with the alumni. The institution is working with the alumni to improve the placement and establish career guidance for the students. The Alumni are contributing to the institution in different ways: a. Book donation: Every passed-out student of the institution is donating books to the department library. b. Alumni Interaction: Some of the Dr. AIT Alumni are invited to give the guest lectures and each department of the institution includes one Alumni in their BOS committee to get the information of what is required in the curriculum.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://alumni.drait.edu.in/

5.4.2 - Alumni's financial contribution during the year **A. ₹ 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 governance of the college matches the Vision and mission of the Institute as mentioned below: Vision Statement To create Dynamic, Resourceful, Adept and Innovative Technical professionals to meet global challenges. Mission Statement To offer state-of-the-art undergraduate, postgraduate and doctoral programmes in the fields of Engineering, Technology and Management. To generate new knowledge by engaging faculty and students in research, development and innovation. To provide a strong theoretical foundation to the students, supported by extensive practical training to meet industry requirements. To instil moral and ethical values with social and professional commitment. GOALS AND OBJECTIVES

- To achieve academic excellence.
- To compete them at national and international level in all areas of life.
- To develop leadership qualities.
- To develop the round personalities of the students.
- To provide orientation to students toward research.
- To promote the faculty towards quality research and examination

Institution Strategic Goals: 1. Ensuring good governance 2. Establishing an effective teaching-learning process 4. Developing financial management 5. Put emphasis on Institute - Industry interaction 6. Development of entrepreneurship 7. Encouraging research and innovation work 8. Establishing Internal Quality Assurance System 9. Ensuring student's development and participation

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/Good-Governance-Document

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

The Institute's commitment to its vision and mission is reflected by value-based conduct and behaviors of faculty, staff, and students in all areas of performance. Values serve as the guiding philosophy in all walksof Institution life. Following Core values have been imbibed by the Institution in all the activities: Core values are fundamental and universal in nature that acts as the invisible force guiding thought processes, conduct, and behavior of faculty, staff, and students. They are Trusteeship, Integrity,

Excellence, Equality, Respect, Sustainability, Innovation, Workplace Values, Accountability, Transparency, Discipline, Perseverance, Competency, Empathy, Teamwork, and Conservation. The Strategic Plan seeks to leverage the strengths that Dr. AIT has developed to build upon them and acquire or develop new strengths. In particular, the Strategic Plan outlines steps to increase the quality of teaching student-centric learning, based on outcomes and quantity of research output through an increase in research intensity, faculty strength, student enrolment, infrastructure, activity/project-based learning, and engagement with industry & international collaborations. The Strategic Plan envisages quality of delivery, sponsored research, consultancy levels, and a focus on the life cycle management of intellectual property.

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://drait.edu.in/home/Good-Governance-Document

6.2 - Strategy Development and Deployment

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

Core values are fundamental and universal in nature that acts as the invisible force guiding thought processes, conduct, and behavior of faculty, staff, and students. They are Trusteeship, Integrity, Excellence, Equality, Respect, Sustainability, Innovation, Workplace Values, Accountability, Transparency, Discipline, Perseverance, Competency, Empathy, Teamwork, and Conservation. The Strategic Plan seeks to leverage the strengths that Dr. AIT has developed to build upon them and acquire or develop new strengths. In particular, the Strategic Plan outlines steps to increase the quality of teaching student-centric learning, based on outcomes and quantity of research output through an increase in research intensity, faculty strength, student enrolment, infrastructure, activity/project-based learning, and engagement with industry & international collaborations. The Strategic Plan envisages quality of delivery, sponsored research, consultancy levels, and a focus on the life cycle management of intellectual property. In the technology-

enabled world, the Strategic goals of the Institution are dynamically revised. In the coming ten years, the following major Strategic goals as short-term, medium-term, and long-term plans are envisaged. The Strategic Goals are academic excellence, research and innovation, collaborations, globalization, capacity building, self-reliance, governance and integration, infrastructure, holistic development, sustainability, service, and branding & communication.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://drait.edu.in/home/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 organization structure has been effectively designed and reflected to show hierarchical relationships among all our stakeholders as well as departments. This structure and hierarchy mechanism have been perfectly customized to review the various functions of the administration. The GB has in place several Committees/Sub-Committees in addition to statutory and other committees to continuously monitor the academic and administrative activities of the Institution. Adhering to the core principles of Good Governance, the Institution has various academic and administrative committees in place to ensure smooth functioning and efficient governance. The prime objective of these committees is the effective utilization of human resources, infrastructure and other facilities and to instill transparency and accountability in the process of administration. The constitution of these committees is based on a topdown and bottom-up approach to provide effectiveness. The committees comprise of key stakeholders including government, administrators, faculty, staff, industry, employer, alumni and students. The institution completely adheres to the guidelines for implementing of Academic Autonomy of VTU. The institution ensures transparency and quality by regular monitoring through internal committees & External bodies consisting of eminent experts.

File Description	Documents
Paste link to Organogram on the institution webpage	https://drait.edu.in/home/Governing-Body
Upload any additional information	View File
Paste link for additional Information	https://gfgc.kar.nic.in/magadi/FileHandler/32-1a04f1b4-a3d4-4654-af45-89bbd4909e6b

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 Institution has welfare mechanisms in place for both teaching and non-teaching staff. The various welfare schemes are: Service benefits like contributory PF, ESI, Gratuity, Study leave, Maternity leave, Casual leave, Special Casual leave, Compensatory off and Earned Leave employees. Scale of pay as per AICTE norms to teaching staff and State scale for non-teaching. Group insurance for both teaching and non-teaching employees. Jobs on compassionate grounds to family members of the non-teaching staff. ESI facility and festival advance are being provided to teaching and non-teaching staff Salary Increments based on Performance appraisal for both teaching & non-teaching staff. Encouragement is given for research and development activities. A fee concession is given to faculty members who have registered for their Ph.D. from the college research center. Many e-resources such as IEEE (Pop), Elsevier, Springer, Nature e- journals, Emerald e-journals, etc are given access to the faculty through the library. Financial

support to participate in national and international conferences to present research papers.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/

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

5

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

14

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.)

218

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

The Institute conducts internal and external financial audits periodically and has its own mechanism to conduct audits. The annual budget of the department is prepared by the respective HODs and submitted to the Principal for approval. The Principal consolidates and prepares the institutional budget and submits the same for approval to the Governing Body. The Finance Officer verifies and compares actual and budgeted income and expenditures. Corrective measures are suggested by Finance Officer for incorporation. Transparency is maintained in both internal and external audits. Chartered Accountant conducts regular financial audits and certifies their annual financial statements. Accounts are maintained on the TALLY ERP system, transparency is maintained in receipts and payments. Annual auditing is carried out by the statutory auditors appointed for the same. The audit department & Audit Team works under the direct control and supervision of the Finance Officer and Internal Auditor of the Trust. Internal Audit: internal audit is conducted monthly by an internal auditor appointed by the Management who checks each bill and payment voucher of all accounts. They submit an audited statement of income and expenditure to the management for consideration and approval.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Mandatory-Disclosure

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)

19.07

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

Proper collection and utilization of financial resources are planned at the beginning of every financial year. The budget details are collected before the start of every academic year. The utilization of the current year's expenses and the budget for the next year is approved by the Governing Body. Research proposals are prepared and sent to different funding agencies like Vision Group on Science and Technology (VGST), All India Council for Technical Education (AICTE), University Grants Commission (UGC), Department of Science & Technology (DST), Visvesvaraya Technological University (VTU), DRDO, ISRO, Karnataka State Council for Science and Technology (KSCST), etc. The grant received from such organizations is used in procuring special equipment needed for research activities thereby strengthening the infrastructural facilities in the laboratories. Different financial sources available are: The fee collected from students is the major resource for the institution. Funding from different funding agencies such as VTU, AICTE, VGST, KSCST, Institute of Engineers and other R&D centers. The management is spending the budgeted amount to develop the required infrastructural facilities such as buildings for various departments, administrative blocks, laboratory equipment, Boys and girls hostel buildings, library building, canteen, auditorium, staff quarters, and exam section buildings.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/TEQIP-III

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)

Internal Quality Assurance Cell (IQAC) is established at Dr. Ambedkar Institute of Technology in 2016 and is promoting measures for Institutional functioning towards quality enhancement by developing a system for consistent improvement in the overall performance of the Institute. The major roles of the IQAC are: Achieve compliance relating to the standards of Technical Education which are defined from time to time by supervisory authorities like AICTE, UGC, VTU, etc. Development of the strategies to achieve better ranking in NIRF and ARIIA and Institution has achieved 163 ranks in NIRF during 2019, 200-300 band during 2020 & 2021, Band-Performer in ARIIA 2021 Development of the strategies for the process of accreditation conducted by the National Board of Accreditation (NBA) and National Assessment and Accreditation Council (NAAC) etc. Expansion of academic programs as per the directions of Governing Body (GB) Inform Principal on new development in Technology, Teaching-Learning Processes, new programs Development of a strategic plan for the Institution Self-appraisal system for teaching staff which includes their achievements, feedback, Academic, R&D, publications, etc. Significant Contribution towards improving curriculum enrichment, academic excellence, teaching and learning process, evaluation methods and research atmosphere in the institution

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Minutes-of-Meeting

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 Internal Quality Assurance Cell (IQAC) is established as per the guidelines from UGC to maintain and enhance the quality of education. The prime goal of the IQAC is to develop a system for consistent and catalytic improvement in the performance of the institution. Revised Blooms Taxonomy (RBT) was initiated by IQAC

in the academic year 2016-2017. Faculty are given awareness of pedagogical teaching-learning methods, RBT, and Outcome Based Education (OBE) through various workshops and faculty development programs conducted in the department and Institute. Training in RBT is conducted to help the teachers to prepare the question papers, and upgrade their evaluation and assessment skills of the teacher. The Academic Audit involves the following quality checks: 1. Monitoring of classes as per the personal timetable of the teacher, and the class timetable and reporting the discrepancies, if any, to the higher authorities. 2. Verification of section-wise student attendance registers and teacher's diaries. 3. Monitoring attendance of students and verification of attendance every two weeks. 4. Verification of Counselling records and counseling details after every internal examination - To check whether the marks & attendance have been updated in the attendance registers.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Minutes-of-Meeting

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://drait.edu.in/home/Mandatory-Disclosure
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

Dr. Ambedkar Institute of Technology continuously works for Equal opportunities, inclusivity, and strong ethical work culture irrespective of caste, religion, gender, language, political, or other status. Its unique work culture, healthy traditions and ethos have led to the enrolment of the employees as per the roaster. Safety, security and well-being, along with gender equity and a friendly working atmosphere are the issues of prime concern to Dr.AIT. Gender sensitivity is an integral value in the cultural philosophy of the institution. The following measures have been taken to promote gender equality Safety and Security Counseling Separate Common rooms for Boys & Girls Anti-Ragging committee Anti-Sexual Harassment committee Women Empowerment programs Awareness campaigns on women's safety and gender Counseling circulars Committee Circulars Mandatory Heath and awareness course for all first-year students (1 credit) from 2021-22 Separate hostels are provided for girls. The college campus is under surveillance with CCTV cameras and round-the-clock security Sufficient lighting is provided in the campus during nights Grievance Redressal Committee

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/Green-Campus-Practice

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

B. Any 3 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)

Dr. Ambedkar Institute of Technology took several initiatives to protect the environment, health and wellbeing through the implementation of maintaining the eco-friendly environment through effective waste management practices in and around the campus. Waste collected is segregated at the source using bins with appropriate labeling. Waste collecting bins are placed at appropriate locations in each block of Dr.AIT and then it is handed over to the BBMP waste collection agency for further processing. Institute does not generate biomedical waste, or other hazardous chemical or radioactive waste. The NSS program organizes awareness among the students, staff, and faculty members periodically. Institute's housekeeping staff and gardeners are helping in the segregation of waste and maintaining greenery on the campus. The E-waste collection bin has been placed separately on campus and periodically local e-waste collecting agency will collect the same for further proper process. The Institute has adopted the following Green practices: Usage of Energy Efficient LED Fittings Usage of Energy Efficient BEE STAR Rated equipment Installation of 4000 LPD Solar Thermal Water Heating System Segregation of Waste at source Provision of Bio composting Unit for Organic Waste Management Good internal Roads within the campus Tree Plantation on the campus

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 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.

A. Any 4 or all of the above

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	View File

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

Dr. Ambedkar Institute of Technology is proactively involved in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities by celebrating many Events and Festivals at the institution to bring tolerance and harmony among the students and staff and the stakeholders. The institution celebrates Independence Day, Constitution Day, Gandhi Jayanti, Dr. B R Ambedkar Jayathi, Dr. B R Ambdkar Parinirvana day, Anti Ragging, Republic Day, Independence Day, Ganesh Festival, International Yoga Day, NSS Day, Sports Day, Gandhi Jayanti, International Women's Day, Maitri, Dr. AIT is dedicated to providing higher education for SC, ST and women students along with all other students. Some of the activities are designated towards empowering a holistic environment for student improvement. Awareness about Eco-Friendly Ganesha Festival was organized on the 8th and 11th of September 2018, and Awareness about Eco-Friendly Diwali was organized on the 5th of November 2018 by the NSS unit of Dr. AIT.

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:

Dr. Ambedkar Institute of Technology has introduced a compulsory course on the Constitution of India and professional Ethics across all engineering disciplines to create awareness and sensitize the

students. The Constitution of India is taught to the students to enable them to gain an insight into the constitution and the basic structure of the Indian Constitution, the fundamental rights and the functions of the judiciary in upholding the Indian Constitution Professional ethics is taught to the students to enlighten the students on the duties and basic responsibilities of engineers towards society and their employers. Every year January, 26th Republic day is Celebrated by highlighting the importance of the Indian Constitution and organizing activities like Parade, cultural events, and skits on Patriotism, like Quit India. Similarly, constitution day is celebrated on the 26th of November every year, all the students and staff will read the Preamble of the Constitution of India Independence day is also celebrated on 15th August every year to highlight the struggle for freedom and the importance of the Indian constitution

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	View File

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

Institution conducting the following National and International Commemorative days, events and festivals for the last 5 years periodically. The following activities are conducted by Dr. AIT: Eye Check-Up Camp Awareness about Eco-Friendly Ganesha Festival Awareness about Junk food and Drugs Addiction Kodagu Special Camp Blood Donation Camps National Unity Day Awareness about Eco-Friendly Diwali Parking Discipline NSS Camp at Antharasanthe, HD Kote World Water Day Dr.Ambedkar Institute of Technology Clean Campus Initiative Health Checkup and Eye Checkup Camp at Dr. AIT CampusVoter's awareness Tree Plantation Programme for first-semester students Campus cleaning for first-semester students Awareness of the Eco-Friendly Ganesha Festival Awareness about the harmful effects of Smoking and Drugs Addiction Campus to Community Camp at Kanakpura Youth for Eco-Development Sadbhavana Diwas Constitution Day Conscious-Planet Save Soil Observance of Anti-Terrorism Day Sanskruti Independence Day Celebration Kannada KalaravaDr. Ambedkar Jayanthi and National Techno Exhibition Maitri - Fresher's Day National Yoga Day Swatch Bharath Abhiyan at B R Hills Constitution Day Environmental Day Blood Donation Camp International Yoga Day

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

Practice I Title of the Practice: GREEN CAMPUS Objective: Green campus initiatives should be an integral part of the education system and promote these principles within society through students. Our Institute has initiated the green campus program in order to support a sustainable and climate-friendly environment. The main objectives for these initiatives were creating awareness about sustainable energy, energy-efficient measures, recycling, composting and green landscaping in and around the campus. The Context: The main aim of the Green campus program is to promote the awareness about sustainability of materials, reuse, Tree plantation to reduce carbon footprint, water management, etc., to our future generations. But the main challenge is the proper translation of education for sustainable development into practice so that it can be more effective. Any new development should consider and maintain the proper balance of economic, social, and environmental conditions and the participation of all the staff members and students is very important. Institute has implemented this program through the organization of seminars, and campaigns for students and staff. Students are encouraged to do projects related to environmental sustainability, water purification, water management, etc. More stress is being given to the proper infrastructure development so as to maintain green practices.

File Description	Documents
Best practices in the Institutional website	chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://assessmentonline.naac.gov.in/storage/app/hei/SSR/107464/7.2.1_1668750222_8701.pdf
Any other relevant information	https://drait.edu.in/

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)

Implementation of Exam Reforms and IT Integration at Dr. AIT Examinations/Assessments play a very important role in deciding the quality of engineering education. It shall not only assess students performance but also measure whether the desired learning outcomes have been achieved. The achievement of Program Objectives and Program Outcomes is crucial and needs to be proven through accurate and reliable assessments. The quality of the question papers in engineering education has been a matter of concern for a long time. It is widely acknowledged that "assessment drives learning". The question papers shall contain questions, which require simple memory recall to questions of higher expectations. High expectations for learning motivate students to rise to the next level. The examination/ assessment at Dr. AIT incorporates the following features: 1. Adaptation of Outcome Based Education (OBE) The curriculum at Dr. AIT is designed as per the requirement of OBE. The syllabus contains objectives and learning outcomes of all the courses so that the students will be made aware of the expectations during the assessment. The question papers for assessment are prepared based on the Course Outcomes appearing in the syllabus.

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 curriculum is designed as per the guidelines of Outcome Based Education (OBE). Accordingly, the mapping of various criteria's made with the curriculum. The starting point is the input from faculty, industries, lead societies, and roadmaps. The Department committee identifies faculty members with relevant specializations and assigns the curriculum design to them. Faculty members prepare the course curriculum incorporating the latest developments in the respective subject domains. The Department committee lists the courses and prepares a semester-wise sequence of courses and a scheme of study. Periodically department committee meets & revisits the curriculum. The proposal is placed before the Board of Studies (BOS)/Department Advisory Board (DAB) of the Department, for deliberations and suggestions. The assessment of needs is carried out on the basis of the following: Feedback from all the stakeholders. The curricula designed are mainly focused on Employability, Innovation, and Research. Employability: The curriculum and syllabi of both UG and PG programs are prepared with the contribution of industry representatives to meet their general and specific requirements. Most of the courses of the UG and PG programs enable the students to enhance their technical and logical skills.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://drait.edu.in/assets/files/Academics/1st%20year%20(1st%20&%202nd%20semester)%20Syllabus%202021-22.pdf

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

17

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

338

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

514

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

In order to integrate the cross-cutting issues relevant to gender, Page 12/115 13-02-2024 09:55:59 Annual Quality Assurance Report of DR. AMBEDKAR INSTITUTE OF TECHNOLOGY environment and sustainability, human values and professional ethics, Institute has embedded different types of courses in the curriculum. 1. Gender Sensitivity Gender sensitivity and gender sensitization is accomplished through amalgamation of theory and practice. The Committee on womens security, welfare and grievance redressal is constituted and is organising workshops on gender sensitisation. 2. Human Values and Professional Ethics One credit courses on Social connect responsibilities, Constitution of India and professional ethics & Universal Human values which are introduced to all the students. As an integral part of student engagement in social activities during their programme of study, college also mandates all the students to enroll as NSS/NCC Volunteers. It aims at inculcating values, ethics and socially responsible qualities. Students organize street plays, awareness campaigns, debates etc. Human values activities by students are being conducted since inception. 3. Environment studies A course on Environmental studies is included in all UG programmes. In order to sensitize students about the environment and sustainability issues, a number of activities such as seminars, workshops, guest lectures, industry visits and field excursions were organized for students of all programmes.

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

15

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

4935

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

2498

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
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File Description	Documents
Provide the URL for stakeholders' feedback report	https://drait.edu.in/home/StakeHolders-Feedback
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
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File Description	Documents
Provide URL for stakeholders' feedback report	https://drait.edu.in/home/ATR-Feedback-on-Syllabus
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

954

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)

359

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.

At the time of course registration, a team of faculty members assigned as mentors interacts with the students to get to know their background of the student and if he/she requires any special attention. The key issues generally identified are: Whether he/she comes from a rural area or the medium of his/her school learning. Generally, they lack confidence and clarity while speaking in English. In general, they lack communication skills. Some of the students are from an economically poor backgrounds and have financial problems. Some of the students seem to be weak in understanding basic principles associated with engineering courses. This is generally evident from their CET score and their score in Physics, Chemistry and Mathematics.

Remedial Actions Initiated: To address the problem of the English language, and communication skills, a one-year course is included in the curriculum so that students learn technical English and develop communication skills through Language Laboratory. As far as financial problems are concerned, students are informed about various government and non-government schemes (Scholarships, Loan facilities, etc.,) and enough guidance is given for applying for financial assistance. The academically weak students are given personal attention by the faculty of the first year by conducting a number of extra lectures and remedial classes so as to improve their understanding. The different categories of students admitted in the system like reserve categories, OBCs and minorities are mixed properly in different groups to encourage inclusiveness and overall growth of the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Academic-Regulations

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
23/06/2022	4362	249

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:

The Institute practices a teaching methodology that focuses on imparting education through a studentcentric approach. All the courses are defined highlighting course objectives and course outcomes, This provides a comprehensive understanding to the student right at the beginning of the course as to what should be the primary focus. **Experiential Learning:** The Institute imparts the following experiential learning practices to enhance the creativity and cognitive levels of the students: Innovative methods of teaching such as Audio- Visual methodology, Language Lab, etc Students are given information about the specific websites for accessing E- Material, and the availability of learning material, and are also exposed to NPTEL, QEEE, etc., to enable them to learn the topics of their own interest. Non-credit courses including employability skills are provided to evolve the aesthetics of the students. Laboratory Sessions are conducted in an interactive way. Students get hands-on training by carrying out internships in Industries. Industrial Visits to engage them in experiential learning. Certification Courses (Value-Added Courses) Participation in simulated events such as hackathons where they acquire experience working on some real-life model. Project development on the latest technologies by students where they showcase their working model in the technical fest.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://drait.edu.in/home/Placement-Training

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

The latest technologies and facilities used by the faculty for effective teaching are: Computer-aided teaching methods through PowerPoint Presentations using LED projectors E-learning material (e-books and e-journals), NPTEL, QEEE Digital Library ICT usages such as SMART board with data storage facility etc. WiFi-enabled campus allows students to learn from any corner of the campus The following facilities are made available by the college to facilitate computer-aided teaching/learning: Each department is provided with sufficient computers, Notebooks and laptops for faculty members with internet facilities. Each department is provided with LED projectors and a multimedia facility to conduct Guest lecturers or seminars.A magnificent Digital Library with online access to IEEE, Springer, Elsevier, ASME and ASCE is available in the Institute. Digital Library has the e-resources like DELNET, N-List, CDs/ISIS, NPTEL Material, etc. Laboratories are equipped with modern learning software. All academic practices (like uploading of the syllabus, a question bank, attendance, results in announcements, etc., are computer-based. Apart from the facilities available at the college, some orientation courses are conducted for the newly joined faculties. Also, the institute encourages faculty members to participate in workshops organized by other institutes.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://drait.edu.in/home/eResources
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

248

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

Preparation and Adherence of Academic Calendar: Every semester the Dean(Academic) prepares the Academic Calendar for the institution's effective functioning. The draft calendar is discussed and approved by the College Council. The Academic Calendar ensures the smooth functioning of the Institution. The academic calendar provides the total effective working days available in a given semester. The Calendar includes the details of all the working days, holidays, dates of the Continuous Internal Assessment Tests, submission of attendance defaulter reports, Examinations, declaration of results, list of activities of the academic year, and the dates of national as well as religious importance. The same is also uploaded on the website. The institution carries out the activities as per the calendar. **Teaching Plan:** All courses are handled as per the schedule in the academic calendar and timetable. The faculty prepare a unit-wise teaching plan, describing timescale, teaching aids, methods of teaching learning, and assessment of the same and it is duly approved after careful examination by the Head of the Department and made available to the students.

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**

248

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

99

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)

3228

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

21

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

05

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	No File Uploaded

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

Dr. Ambedkar Institute of Technology has been continuously carrying out reforms in its examination procedure through the integration of IT in all the procedures and processes of the examination system. The reforms are made in respect of Continuous Internal Assessment procedures. Semester End Examination procedure has been automated using in-house IT software. The IT integration has modernized the entire examination process and has speeded up the functioning mechanism while making the whole process more transparent. Continuous Internal Evaluation is conducted at respective departments. The B-forms are prepared at the examination section based on the room allotment. The software is developed to print the B-forms at the department for the smooth conduct of the CIA. CIA marks are submitted to the examination section by the faculty members from the department using IT infrastructure. CIA marks are published on the institute's website. It includes marks secured by the students, attendance status NSA and NSC details.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://results.drait.in/

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

Program Outcomes (POs) are broad descriptions of the professional achievements that the programme seeks to achieve and these are expected of the students by the time the programme is completed. The information, abilities, and personality traits that students must develop in order to graduate are included in several different interrelated categories of POs. The specific skills and accomplishments that students must demonstrate at the micro level and by the program's conclusion are known as Programme Specific Outcomes (PSOs). In cooperation with the course coordinators, the programme coordinators create the PSOs. Course outcomes (COs) are clear assertions of what students should know and be able to do after completing the course. They also characterize the depth of learning that is anticipated. The department offering the relevant programme develops the Program Specific Outcomes (PSOs), Programme Educational Objectives (PEOs) and Course Outcomes (COs) in strict conformance with the goals of Outcome Based Education (OBE) following extensive consultation with all faculty members and stakeholders. The HODs educate the students on POs, PSOs, PEOs and COs while speaking to them. Faculty members, mentors, course coordinators, and programme coordinators also provide information to students and raise their awareness of the significance of the objectives

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://drait.edu.in/home/Computer-Science-and-Engineering-Syllabus

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

The curriculum and syllabus are developed by taking into consideration all the POs, PEOs, PSOs and COs. During the commencement of the semester, the target value for the course will be fixed by the Course Coordinator. The method of assessment should be informed to the students clearly. The Faculty members will do a review of the assessment in due course, and suggestions will be provided for the necessary actions for improvement. The POs, PSOs and CO attainments are evaluated through direct & indirect measures. Direct Assessment Tools: 1. Continuous Internal Evaluation (CIE): Three internal assessment tests will be conducted in all the theory courses in a given semester. Each assessment includes both objective and descriptive questions. The sum of the best two performances out of the three assessments will be considered as the final CIE Marks along with assignments and group activity for a maximum of 50 marks. Indirect Assessment Tools: 1. Graduate Exit Survey: Student input is vital to our program evaluation process. The results of this survey contributes to the overall program assessment established in the department to maintain the quality of our graduate program.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/NBA

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

1257

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	No File Uploaded
Paste link for the annual report	https://drait.edu.in/home/Mandatory-Disclosure

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://accounts.google.com/v3/signin/confirmidentifier?authuser=0&continue=https%3A%2F%2Fdocs.google.com%2Fforms%2Fd%2Fe%2F1FAIpOLSc2O13cNw84ogrDtRnPXwOTdNtn_4po9zj3BmhlqjV3smaV8g%2Fviewform&followup

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

Research Facilities are as follows

1. Virtual Instrumentation Lab
2. Oil Testing lab
3. Material Testing Lab
4. Mobile Communication Lab
5. Texas Instrumentation Lab etc

R&D for 15 departments are budgeted for upgradation is sanctioned by the Management

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://drait.edu.in/home/R-and-D-Cell
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)

14.15

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

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

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)

21.5

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

17

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/Funded-Research-Projects
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

54

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

5

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	http://www.vgst.in/
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.

Ambedkar Centre for Tech Startup (ACTS) - The Startup Cell The goal of ACTS - The Startup Cell is to stimulate the growth of tech startups in the institution. ACTS facilitates business growth by forging partnerships at the national and global levels. ACTS consists of Dr.AIT (Dr.Ambedkar Institute of Technology) faculty, alumni, and other individuals and partners from like-minded organizations to foster student entrepreneurship through incubation, ecosystem development, and academic initiatives. The ACTS startup cell helps student entrepreneurs to convert their ideas in becoming successful and profitable ventures by supporting them in project development and implementation, business planning, mentoring, commercializing their technologies, getting early seed funding, advice on intellectual property, training, and development.Call for Quarterly meetings of all the department Startup coordinators. Maintain documentation of the proceedings like meeting photos, Minutes of Meetings, and Meeting videos have to be uploaded to YouTube and the link has to be shared with competent authorities and any other proof. Keep a track of the

Startup Activities / Progress of all the departments. Encourage Department Startup Coordinators to organize seminars, webinars, workshops, and other academic activities related to Startups, Incubation, entrepreneurship and IPR.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/ACTS

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

17

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

59

File Description	Documents
URL to the research page on HEI website	https://drait.edu.in/home/R-and-D-Cell
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

249

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

5

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/ACTS

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

2992

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

174

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)

4.77

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

4.59

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	No File Uploaded
List of facilities and staff available for undertaking consultancy	View File
Any additional information	No File Uploaded

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

The college encourages the faculty and students to initiate, participate and implement the programmes which contribute to societal awareness of various issues. Below are the few activities initiated and conducted regularly by the college students and staff members: Organizing regular blood donation camps. Tree Plantation Aids Awareness programme Clean Energy Rain Water Harvesting Health (Eye testing) Computer Awareness etc The students are encouraged and supported to organize/ participate in events where students have scope for working with others. Under this platform, students foster their talent in a variety of disciplines like a host of cultural activities including dramatics, singing, dancing, quiz, debates, music and more. Students participate in various inter-collegiate competitions, showcase their talent and consistently win awards. Every year college hosts SANSKRITI, an inter-collegiate fest, and the event regularly receives the participation of over 5000 students from across Karnataka. The programmes organized include Shramdan for campus cleaning, blood donation camps, Eye check-up camps, HIV and social Awareness programmes, tree plantation, village adoption, Personality development etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/NSS

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

43

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	No File Uploaded

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)

15

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

713

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

245

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)

15

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	No File Uploaded

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 was established in 1980 with three departments and the institute offers 13 UG, 07 PG and 15 Ph.D. Programmes up to June 2022. Two more UG programs are added during Academic Year 2022-23. Since then the adequate availability of physical infrastructure was duly identified and has been planned and constructed accordingly. The Institute has a total land area of 20.3 Acres of which about 54462 sq.m has been constructed with robust structures for various academic purposes including accommodation facilities for students (hostels). Apart from this 106 Classrooms for UG & PG programmes that include, 07 air-conditioned seminar halls, an Auditorium, faculty rooms, wide corridor space, good natural lighting and ventilation and an open-air auditorium with 1000 capacity are available. For the adequate availability of physical infrastructure and to ensure

its optimal utilization following steps are followed by the institution:

- Head of the institution takes the responsibility of identifying the adequate requirements.
- Head of the departments and faculty members plan the requirements at the departmental level and submits them to the Head of the institution

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/

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

Cultural Activities: The college has an auditorium with good acoustics and lighting facilities a modern state-of-the-art sound system, with a seating capacity of 650. Recreational facilities in hostel/s like gymnasium, yoga center, etc.: There is provision for indoor sports facilities such as a fully equipped gymnasium, Table tennis, carom, and badminton court are provided. There are additional outdoor sports facilities for cricket, football, volleyball, basketball, and running track. There are leading hospitals are situated within 100 meters of the campus Viz. Fortis hospital and GM hospital provide ambulance services if required. In addition the Govt. run ambulances service is available on call to 108. The college has entered into MOU with Panacea hospital so as to get medical support for any emergency cases related to students, staff, and faculty members. The college has independent indoor and outdoor sports facilities and our students are regularly using them for their various sports activities. A qualified Physical Education Director (PED) is looking after the various sports activities.

Facilities: Facilities like T.A. and D.A. and Entry fee for players of the College team players to participate in any tournaments in India is extended by the college.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Sports

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

85

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)

32.57

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)**

Libsoft is a library software, which uses online support and RFID integration is done with this library software. Using this software we can save time in issuing and returning books and other materials from the library without library staff intervention. We will get reports of each and every student's log-in and log-out from the library issue, reference and digital library section. It is also possible to generate the report's unique titles, department-wise titles and day-to-day transactions. RFID software is integrated with libsoft for avoiding theft and thus secure books and it also can be used in finding the availability of required books by the faculty and students in the library easily. The faculty and students database is available and can be accessed easily by the books available in their account. Multi-user packages with databases loaded in the server can be shared with individual nodes. Automatic tracking of books for new orders, arrived,

remainders etc. Web Opac is a web-based application. It will work on Intranet and internet services. It is also possible to search the current material within the campus and outside the campus. Stock verification can also be done easily through this software.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Mandatory-Disclosure

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)

43.92

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - 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

296

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

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

The College has a comprehensive IT policy to address standards on IT Service Management, Information Security, and Networks and allocated a budget for updating its IT facilities. The institution is regularly upgrading its infrastructure covering Wi-Fi, cyber security, software upgradation, ICT enabled teaching learning. The policies are applicable to Employees, Students and Visitors. Institutes have framed various policies like Procurement, Installation of Hardware, Networks and software. The violations of IT policy result in disciplinary action against the offender by institution authorities. The institution provides the annual budget for the upgradation of IT facilities and changes in the system as follows: Earlier the campus was enabled with an internet bandwidth of 1 GBPS but now it is upgraded to 1.50Gbps. The number of Wi-Fi routers also increased with high configuration and Wi-Fi network facilities were deployed across the campus & hostels. Students and faculty members get maximum benefits from accessing the internet to do their projects and research work. The Institute has a total of 1600 Personal Computers across the campus with i5 and i7 processors.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.speedtest.net/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3	1

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. 750 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	B. Any three of the above
File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://drait.edu.in/home/Computer-Applications-MCA-Materials
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)	
348.66	
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.

The College has a well-defined policy and system for the maintenance and utilization of all its physical and academic facilities. Classroom management: The classroom being the primary and important workspace, it is managed with proper systems and procedures as recommended by the Management and the University. It is followed keeping in mind the modern teaching-learning environment. The classrooms are well equipped with all modern technology like smart boards, mike systems, and other technologies for better and effective teaching. CCTVs installed in each classroom to make sure of the safety and security of all students, teachers and equipment. Stock list of assets of Classroom property, cleaning and maintenance are done on a regular basis, Annual Maintenance Contract (AMC) of all the modern teaching technology, and proper reporting system about repairs and replacements are the basic attributes of classroom management. As the College has basic Science departments, the Laboratory policy forms the core of the working of the institution. While the Laboratory has several instruments and equipment, the same is maintained through AMCs.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Library-Rules-and-Regulations

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

1886

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

486

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://drait.edu.in/home/Placement-Training
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

4362

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

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

A. All of the above

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

625

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

116

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

27

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

24

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

Dr. Ambedkar Institute of Technology has given equal opportunities to be representatives of major statutory and non-statutory committees as per the regulations of statutory bodies such as AICTE, UGC, NAAC, VTU, GoK, etc. The Institute envisions an active Students' Council that would play a

structural and integral role in all academic bodies and committees of the Institute like the Board of Governors, Academic Council, IQAC, Board of Studies, Electoral Literacy Committee, etc., by effecting an interface between academia and the administration for the larger benefit of the community. The Institute & departments have student technical clubs & Cultural teams which provide them to participate in various academic & cultural activities. Students are also given opportunities to be involved in social and community activities development through NSS like Blood donation camps, health camps, Swatch Bharat Abhiyan, etc. The students provide feedback on the teaching-learning process as well as various facilities on the campus such as the canteen, hostel facilities and transportation system. Annual College cultural events such as Kalarava, Maitri, Samskruti, Ethnic day, and Women's Day are being regularly conducted which help the students in showcasing their talents.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Minutes-of-Meeting

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

16

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

The Alumni Association has been contributing significantly to the development of the institution through financial and non-financial means during the last five years. Dr. Ambedkar

Institute of Technology believes in maintaining a strong relationship and association with the alumni. The institution is working with the alumni to improve the placement and establish career guidance for the students. The Alumni are contributing to the institution in different ways: a. Book donation: Every passed-out student of the institution is donating books to the department library. b. Alumni Interaction: Some of the Dr. AIT Alumni are invited to give the guest lectures and each department of the institution includes one Alumni in their BOS committee to get the information of what is required in the curriculum.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://alumni.drait.edu.in/

5.4.2 - Alumni's financial contribution during the year

A. ? 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 governance of the college matches the Vision and mission of the Institute as mentioned below: Vision Statement To create Dynamic, Resourceful, Adept and Innovative Technical professionals to meet global challenges. Mission Statement To offer state-of-the-art undergraduate, postgraduate and doctoral programmes in the fields of Engineering, Technology and Management. To generate new knowledge by engaging faculty and students in research, development and innovation. To provide a strong theoretical foundation to the students, supported by extensive practical training to meet industry requirements. To instil moral and ethical values with social and professional commitment. GOALS AND OBJECTIVES

- To achieve academic excellence.
- To compete them at national and international level in all areas of life.
- To develop leadership qualities.

• To develop the round personalities of the students. • To provide orientation to students toward research. • To promote the faculty towards quality research and examination

Institution Strategic Goals: 1. Ensuring good governance 2. Establishing an effective teaching-learning process 4. Developing financial management 5. Put emphasis on Institute - Industry interaction 6. Development of entrepreneurship 7. Encouraging research and innovation work 8. Establishing Internal Quality Assurance System 9. Ensuring student's development and participation

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/Good-Governance-Document

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

The Institute's commitment to its vision and mission is reflected by value-based conduct and behaviors of faculty, staff, and students in all areas of performance. Values serve as the guiding philosophy in all walksof Institution life. Following Core values have been imbibed by the Institution in all the activities: Core values are fundamental and universal in nature that acts as the invisible force guiding thought processes, conduct, and behavior of faculty, staff, and students. They are Trusteeship, Integrity, Excellence, Equality, Respect, Sustainability, Innovation, Workplace Values, Accountability, Transparency, Discipline, Perseverance, Competency, Empathy, Teamwork, and Conservation. The Strategic Plan seeks to leverage the strengths that Dr. AIT has developed to build upon them and acquire or develop new strengths. In particular, the Strategic Plan outlines steps to increase the quality of teaching student-centric learning, based on outcomes and quantity of research output through an increase in research intensity, faculty strength, student enrolment, infrastructure, activity/project-based learning, and engagement with industry & international collaborations. The Strategic Plan envisages quality of delivery, sponsored research, consultancy levels, and a focus on the life cycle management of intellectual property.

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://drait.edu.in/home/Good-Governance-Document

6.2 - Strategy Development and Deployment

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

Core values are fundamental and universal in nature that acts as the invisible force guiding thought processes, conduct, and behavior of faculty, staff, and students. They are Trusteeship, Integrity, Excellence, Equality, Respect, Sustainability, Innovation, Workplace Values, Accountability, Transparency, Discipline, Perseverance, Competency, Empathy, Teamwork, and Conservation. The Strategic Plan seeks to leverage the strengths that Dr. AIT has developed to build upon them and acquire or develop new strengths. In particular, the Strategic Plan outlines steps to increase the quality of teaching student-centric learning, based on outcomes and quantity of research output through an increase in research intensity, faculty strength, student enrolment, infrastructure, activity/project-based learning, and engagement with industry & international collaborations. The Strategic Plan envisages quality of delivery, sponsored research, consultancy levels, and a focus on the life cycle management of intellectual property. In the technology-enabled world, the Strategic goals of the Institution are dynamically revised. In the coming ten years, the following major Strategic goals as short-term, medium-term, and long-term plans are envisaged. The Strategic Goals are academic excellence, research and innovation, collaborations, globalization, capacity building, self-reliance, governance and integration, infrastructure, holistic development, sustainability, service, and branding & communication.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://drait.edu.in/home/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 organization structure has been effectively designed and reflected to show hierarchical relationships among all our stakeholders as well as departments. This structure and hierarchy mechanism have been perfectly customized to review the various functions of the administration. The GB has in place several Committees/Sub-Committees in addition to statutory and other committees to continuously monitor the academic and administrative activities of the Institution. Adhering to the core principles of Good Governance, the Institution has various academic and administrative committees in place to ensure smooth functioning and efficient governance. The prime objective of these committees is the effective utilization of human resources, infrastructure and other facilities and to instill transparency and accountability in the process of administration. The constitution of these committees is based on a topdown and bottom-up approach to provide effectiveness. The committees comprise of key stakeholders including government, administrators, faculty, staff, industry, employer, alumni and students. The institution completely adheres to the guidelines for implementing of Academic Autonomy of VTU. The institution ensures transparency and quality by regular monitoring through internal committees & External bodies consisting of eminent experts.

File Description	Documents
Paste link to Organogram on the institution webpage	https://drait.edu.in/home/Governing-Body
Upload any additional information	View File
Paste link for additional Information	https://gfgc.kar.nic.in/magadi/FileHandler/32-1a04f1b4-a3d4-4654-af45-89bbd4909e6b

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	
<p>The Institution has welfare mechanisms in place for both teaching and non-teaching staff. The various welfare schemes are: Service benefits like contributory PF, ESI, Gratuity, Study leave, Maternity leave, Casual leave, Special Casual leave, Compensatory off and Earned Leave employees. Scale of pay as per AICTE norms to teaching staff and State scale for non-teaching. Group insurance for both teaching and non-teaching employees. Jobs on compassionate grounds to family members of the non-teaching staff. ESI facility and festival advance are being provided to teaching and non-teaching staff Salary Increments based on Performance appraisal for both teaching & non-teaching staff. Encouragement is given for research and development activities. A fee concession is given to faculty members who have registered for their Ph.D. from the college research center. Many e-resources such as IEEE (Pop), Elsevier, Springer, Nature e- journals, Emerald e-journals, etc are given access to the faculty through the library. Financial support to participate in national and international conferences to present research papers.</p>	

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/

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

5

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

14

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.)

218

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

The Institute conducts internal and external financial audits periodically and has its own mechanism to conduct audits. The annual budget of the department is prepared by the respective HODs and submitted to the Principal for approval. The Principal consolidates and prepares the institutional budget and submits the same for approval to the Governing Body. The Finance Officer verifies and compares actual and budgeted income and expenditures. Corrective measures are suggested by Finance Officer for incorporation. Transparency is maintained in both internal and external audits. Chartered Accountant conducts regular financial audits and certifies their annual financial statements. Accounts are maintained on the TALLY ERP system, transparency is maintained in receipts and payments. Annual auditing is carried out by the statutory auditors appointed for the same. The audit department & Audit Team works under the direct control and supervision of the Finance Officer and Internal Auditor of the Trust. Internal Audit: internal audit is conducted monthly by an internal auditor appointed by the Management who checks each bill and payment voucher of all accounts. They submit an audited statement of income and expenditure to the management for consideration and approval.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Mandatory-Disclosure

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)

19.07

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

Proper collection and utilization of financial resources are planned at the beginning of every financial year. The budget details are collected before the start of every academic year. The utilization of the current year's expenses and the budget for the next year is approved by the Governing Body. Research proposals are prepared and sent to different funding agencies like Vision Group on Science and Technology (VGST), All India Council for Technical Education (AICTE), University Grants Commission (UGC), Department of Science & Technology (DST), Visvesvaraya Technological University (VTU), DRDO, ISRO, Karnataka State Council for Science and Technology (KSCST), etc. The grant received from such organizations is used in procuring special equipment needed for research activities thereby strengthening the infrastructural facilities in the laboratories. Different financial sources available are: The fee collected from students is the major resource for the institution. Funding from different funding agencies such as VTU, AICTE, VGST, KSCST, Institute of Engineers and other R&D centers. The management is spending the budgeted amount to develop the required infrastructural facilities such as buildings for various departments, administrative blocks, laboratory equipment, Boys and girls hostel buildings, library building, canteen, auditorium, staff quarters, and exam section buildings.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/TEQIP-III

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)

Internal Quality Assurance Cell (IQAC) is established at Dr. Ambedkar Institute of Technology in 2016 and is promoting measures for Institutional functioning towards quality enhancement by developing a system for consistent improvement in the overall performance of the Institute. The major roles of the IQAC are: Achieve compliance relating to the standards of Technical Education which are defined from time to time by supervisory authorities like AICTE, UGC, VTU, etc. Development of the strategies to achieve better ranking in NIRF and ARIIA and Institution has achieved 163 ranks in NIRF during 2019, 200-300 band during 2020 & 2021, Band-Performer in ARIIA 2021 Development of the strategies for the process of accreditation conducted by the National Board of Accreditation (NBA) and National Assessment and Accreditation Council (NAAC) etc. Expansion of academic programs as per the directions of Governing Body (GB) Inform Principal on new development in Technology, Teaching-Learning Processes, new programs Development of a strategic plan for the Institution Self-appraisal system for teaching staff which includes their achievements, feedback, Academic, R&D, publications, etc. Significant Contribution towards improving curriculum enrichment, academic excellence, teaching and learning process, evaluation methods and research atmosphere in the institution

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Minutes-of-Meeting

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 Internal Quality Assurance Cell (IQAC) is established as per the guidelines from UGC to maintain and enhance the quality of education. The prime goal of the IQAC is to develop a system for consistent and catalytic improvement in the performance of

the institution. Revised Blooms Taxonomy (RBT) was initiated by IQAC in the academic year 2016-2017. Faculty are given awareness of pedagogical teaching-learning methods, RBT, and Outcome Based Education (OBE) through various workshops and faculty development programs conducted in the department and Institute. Training in RBT is conducted to help the teachers to prepare the question papers, and upgrade their evaluation and assessment skills of the teacher. The Academic Audit involves the following quality checks: 1. Monitoring of classes as per the personal timetable of the teacher, and the class timetable and reporting the discrepancies, if any, to the higher authorities. 2. Verification of section-wise student attendance registers and teacher's diaries. 3. Monitoring attendance of students and verification of attendance every two weeks. 4. Verification of Counselling records and counseling details after every internal examination - To check whether the marks & attendance have been updated in the attendance registers.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://drait.edu.in/home/Minutes-of-Meeting

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://drait.edu.in/home/Mandatory-Disclosure
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

Dr. Ambedkar Institute of Technology continuously works for Equal opportunities, inclusivity, and strong ethical work culture irrespective of caste, religion, gender, language, political, or other status. Its unique work culture, healthy traditions and ethos have led to the enrolment of the employees as per the roaster. Safety, security and well-being, along with gender equity and a friendly working atmosphere are the issues of prime concern to Dr.AIT. Gender sensitivity is an integral value in the cultural philosophy of the institution. The following measures have been taken to promote gender equality Safety and Security Counseling Separate Common rooms for Boys & Girls Anti-Ragging committee Anti-Sexual Harassment committee Women Empowerment programs Awareness campaigns on women's safety and gender Counseling circulars Committee Circulars Mandatory Health and awareness course for all first-year students (1 credit) from 2021-22 Separate hostels are provided for girls. The college campus is under surveillance with CCTV cameras and round-the-clock security Sufficient lighting is provided in the campus during nights Grievance Redressal Committee

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://drait.edu.in/home/Green-Campus-Practice

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

B. Any 3 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)

Dr. Ambedkar Institute of Technology took several initiatives to protect the environment, health and wellbeing through the implementation of maintaining the eco-friendly environment through effective waste management practices in and around the campus. Waste collected is segregated at the source using bins with appropriate labeling. Waste collecting bins are placed at appropriate locations in each block of Dr.AIT and then it is handed over to the BBMP waste collection agency for further processing. Institute does not generate biomedical waste, or other hazardous chemical or radioactive waste. The NSS program organizes awareness among the students, staff, and faculty members periodically. Institute's housekeeping staff and gardeners are helping in the segregation of waste and maintaining greenery on the campus. The E-waste collection bin has been placed separately on campus and periodically local e-waste collecting agency will collect the same for further proper process. The Institute has adopted the following Green practices: Usage of Energy Efficient LED Fittings Usage of Energy Efficient BEE STAR Rated equipment Installation of 4000 LPD Solar Thermal Water Heating System Segregation of Waste at source Provision of Bio composting Unit for Organic Waste Management Good internal Roads within the campus Tree Plantation on the campus

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:

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

A. Any 4 or all of the above

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 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.

A. Any 4 or all of the above

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	View File

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

Dr. Ambedkar Institute of Technology is proactively involved in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities by celebrating many Events and Festivals at the institution to bring tolerance and harmony among the students and staff and the stakeholders. The institution celebrates Independence Day, Constitution Day, Gandhi Jayanti, Dr. B R Ambedkar Jayathi, Dr. B R Ambdkar Parinirvana day, Anti Ragging, Republic Day, Independence Day, Ganesh Festival, International Yoga Day, NSS Day, Sports Day, Gandhi Jayanti, International Women's Day, Maitri, Dr. AIT is dedicated to providing higher education for SC, ST and women students along with all other students. Some of the activities are designated towards empowering a holistic environment for student improvement. Awareness about Eco-Friendly Ganesha Festival was organized on the 8th and 11th of September 2018, and Awareness about Eco-Friendly Diwali was organized on the 5th of November 2018 by the NSS unit of Dr. AIT.

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:

Dr. Ambedkar Institute of Technology has introduced a compulsory course on the Constitution of India and professional Ethics across all engineering disciplines to create awareness and sensitize the students. The Constitution of India is taught to the students to enable them to gain an insight into the constitution and the basic structure of the Indian Constitution, the fundamental rights and the functions of the judiciary in upholding the Indian Constitution Professional ethics is taught to the students to enlighten the students on the duties and basic responsibilities of engineers towards society and their employers. Every year January, 26th Republic day is Celebrated by highlighting the importance of the Indian Constitution and organizing activities like Parade, cultural events, and skits on Patriotism, like Quit India. Similarly, constitution day is celebrated on the 26th of November every year, all the students and staff will read the Preamble of the Constitution of India Independence day is also celebrated on 15th August every year to highlight the struggle for freedom and the importance of the Indian constitution

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	View File

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

Institution conducting the following National and International Commemorative days, events and festivals for the last 5 years periodically. The following activities are conducted by Dr. AIT: Eye Check-Up Camp Awareness about Eco-Friendly Ganesha Festival Awareness about Junk food and Drugs Addiction Kodagu Special Camp Blood Donation Camps National Unity Day Awareness about Eco-Friendly Diwali Parking Discipline NSS Camp at Antharasanthe, HD Kote World Water Day Dr.Ambedkar Institute of Technology Clean Campus Initiative Health Checkup and Eye Checkup Camp at Dr. AIT Campus Voter's awareness Tree Plantation Programme for first-semester students Campus cleaning for first-semester students Awareness of the Eco-Friendly Ganesha Festival Awareness about the harmful effects of Smoking and Drugs Addiction Campus to Community Camp at Kanakpura Youth for Eco-Development Sadbhavana Diwas Constitution Day Conscious-Planet Save Soil Observance of Anti-Terrorism Day Sanskruti Independence Day Celebration Kannada Kalarava Dr. Ambedkar Jayanthi and National Techno Exhibition Maitri - Fresher's Day National Yoga Day Swatch Bharath Abhiyan at B R Hills Constitution Day Environmental Day Blood Donation Camp International Yoga Day

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

Practice I Title of the Practice: GREEN CAMPUS Objective: Green campus initiatives should be an integral part of the education system and promote these principles within society through students. Our Institute has initiated the green campus program in order to support a sustainable and climate-friendly environment. The main objectives for these initiatives were creating awareness about sustainable energy, energy-efficient measures, recycling, composting and green landscaping in and around the campus. The Context: The main aim of the Green campus program is to promote the awareness about sustainability of materials, reuse, Tree plantation to reduce carbon footprint, water management, etc., to our future generations. But the main challenge is the proper translation of education for sustainable development into practice so that it can be more effective. Any new development should consider and maintain the proper balance of economic, social, and environmental conditions and the participation of all the staff members and students is very important. Institute has implemented this program through the organization of seminars, and campaigns for students and staff. Students are encouraged to do projects related to environmental sustainability, water purification, water management, etc. More stress is being given to the proper infrastructure development so as to maintain green practices.

File Description	Documents
Best practices in the Institutional website	chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://assessmentonline.naac.gov.in/storage/app/hei/SSR/107464/7.2.1_1668750222_8701.pdf
Any other relevant information	https://drait.edu.in/

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)

Implementation of Exam Reforms and IT Integration at Dr. AIT Examinations/Assessments play a very important role in deciding the quality of engineering education. It shall not only assess students performance but also measure whether the desired learning outcomes have been achieved. The achievement of Program Objectives and Program Outcomes is crucial and needs to be proven through accurate and reliable assessments. The quality of the question papers in engineering education has been a matter of concern for a long time. It is widely acknowledged that "assessment drives learning". The question papers shall contain questions, which require simple memory recall to questions of higher expectations. High expectations for learning motivate students to rise to the next level. The examination/ assessment at Dr. AIT incorporates the following features: 1.Adaptation of Outcome Based Education (OBE) The curriculum at Dr. AIT is designed as per the requirement of OBE. The syllabus contains objectives and learning outcomes of all the courses so that the students will be made aware of the expectations during the assessment. The question papers for assessment are prepared based on the Course Outcomes appearing in the syllabus.

File Description	Documents
Appropriate link in the institutional website	http://onlinepay.drait.in/
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- NOC for closure of ML course
- Energy auditing

- CC Meeting
- Deans Meeting
- PEC Meeting
- AISHE Data
- AICTE - SLA Survey
- IQAC Quarterly Meeting (External)
- NBA - Pre-qualifier submission
- NBA Compliance Submission
- GB Meeting
- Progress Review meeting with Mentor
- National Level Project Exhibition
- Ambedkar Jayanthi - Award function
- Submission of NAAC SSR
- AICTE approval Process for 2022-23
- NIRF submission
- VTU Continuation of Affiliton for UG/PG and Research Centre
- IQAC Quarterly Meeting (Internal)