SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

ARYA INSTITUTE OF ENGINEERING AND TECHNOLOGY,JAIPUR

ARYA INSTITUTE OF ENGINEERING AND TECHNOLOGY SP-40, KUKAS
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

February 2019

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Arya Group of Colleges was established under the aegis of All India Arya Samajis Society for Higher & Technical Education in the year 1999 by the founder chairman Er. Shri T.K. Agarwal, a great Visionary, who built their entire Engineering career from Roorkee University and always believed that engineers make & build nation. In his quest glory and pride, he established first private Engineering College in the state of Rajasthan. His vision usher the establishment of over 150 private engineering colleges & his efforts developed the state of Rajasthan into IT hub of North India.

THE INSTITUTE

Arya Institute of Engineering & Technology (AIET) is one of the Pioneer and Prominent of Top Institutes in Rajasthan for Engineering in Higher Technical Education & Research. Established in the year 2005, under the aegis of "All India Arya Samajis Society for Higher & Technical Education.

Arya Institute has evolved into the most prominent College in the state as well as the Best Engineering Colleges in Jaipur . Spread over 5 acres of land, it has constructed area of more than 4 lac sq. Feet in RIICO Electronic Hardware Park, Jaipur. Its highly skilled faculties are imparting education and guidance to thousands of students in a multi-faceted environment comprising of various Teaching Departments on its Campus.

Strategically situated on Delhi-Jaipur Highway, AIET is one of the youngest college in India to get its 4 branches NBA Accredited (ECE, Electrical, CS, IT) within 6 years of its inception. All our courses are AICTE approved and the institute is affiliated to Rajasthan Technical University, Kota. In all our branches we have overall intake of 954 students per year. Courses offered in various fields are B. Tech (CS, ECE, IT, Mechanical, Electrical) M. Tech (CS, ECE, Electrical), MBA (Finance, HR, IT, Marketing).

We have established First Free Open Source Software (FOSS) centre in state of Rajasthan with collaboration of IIT Bombay. We are registered as Pradhan Mantri Kaushal Vikas Yojna (PMKVY) centre for Skill Development. Every year we organise our National Level Technical Symposium called 'Shradhanjali', where students from all over nation participate enthusiastically.

Vision

To Emerge as the Best Educational Institute and Work for Excellence in Imparting Quality Education to the Students to Nurture their Inherent Talent as Innovative Professionals in Technical & Managerial field thereby making them Competitive to meet all the Future Challenges of Global Economy.

Mission

1. To provide, nurture and maintain an environment of high academic excellence, standards research, and entrepreneurship for all aspiring students.
2. Ensure all students prepare them to face global challenges maintaining high ethical and moral standards;

by implementing quality teaching practices.

3. Changing the mindset of aspirant from rote learning to thoughtful learning Use of Learning Management System(LMS-MOODLE), Virtual laboratories, Self-learning laboratories, and smart classroom.

4. Efforts to build the capacity of individuals in terms of technical expertise, research publications, projects of social benefit.

5. To solemnizes students for the core universal values like truth and righteousness on all possible platforms like an annual cultural festival, sports meet, and technical events and mechanism ensures effective and efficient grievance redressal.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Strict adherence to the curriculum and completion of syllabus on time in accordance with RTU guidelines and academic calendar.
- Efficient teamwork in achieving vision and mission of the college.
- Qualified and dedicated faculty members promoting research and innovation and encouraging student excellence.
- Good reputation and brand name as one of the top ten Engineering colleges as acclaimed by all its stakeholders.
  - Remarkable Extension activities conducted by NSS, Street cause and Nature club Best transportation facilities with buses plying to all parts of the city.
  - Accessible college campus in close proximity to the city Effective internal communication through CUG mobiles and emails
  - Active Support systems in the form of various committees, clubs and cells Student friendly atmosphere providing accessibility to faculty and management
  - Finest student discipline monitored through disciplinary committee and Physical Director. Excellent teaching learning practices, using innovative methods
  - Faculty sponsorships for workshops, conferences, seminars and publications to promote research activities
  - Ragging-free campus with display of posters, banners and continuously monitored by vigilance squad Continuous parent teacher interaction by conducting regular
  - Well-equipped Digital Library with access to printed books, E-books Journals, E-journals, rare books, manuscripts and online resources.
  - Democratic governance through decentralization of responsibilities and delegation of duties Dynamic and visionary leadership of the Secretary, Principal and Management Promoting E-learning through NPTEL and NDL online sources
  - Diverse faculty beneficiary schemes like EPF, ESI, relocation expenses, transport and mobile phone allowance, sponsorship for publications and conferences. Involvment of students and staff in Community service activities

Institutional Weakness

Partial utilization of services of alumni members
Moderate procurement of funding schemes from AICTE/DST/etc.
Introduction of fewer add-on courses in interdisciplinary areas.
Placement opportunities in core companies.

Institutional Opportunity

Increased professional club memberships for faculty and students in IETE, IEEE, CSI, ISCA Promoting community outreach programmes like village adoption, literacy programme and skill development training

Secure partnerships and MoUs with National/International institutions Initiating collaboration with national laboratories

Expanding E-learning resources for faculty and students for knowledge enhancement Accreditation and autonomous status from affiliating bodies

Creation of "Centers of Excellence" and "Skills Development Centers" in all departments.

To collaborate with industries, institutions and universities inside and outside India for joint research and continuing education.

Institutional Challenge

- Enormous competition from other Engineering colleges
- Frequent changes in educational and financial policies
- Lack of uniform fee structure across the colleges
- Poor intermediate education in the state reflecting in the poor performance of Engineering students

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Curricular Aspects

AIET follows the curriculum prescribed by the affiliating university, RTU for all the courses offered by the college. Within the limitations of the prescribed framework, curriculum analysis committee identifies gaps in concurrence with industry needs and syllabus of the competitive exams. Governing council of the college and Board of Studies endorse the changes to implement bridge courses, adjunct courses and add-on courses proposed.

Curriculum implementation is effectively carried out through session plans and handbooks. Weekly syllabus completion reports track the progress of syllabus completion. Teaching diaries are maintained by all the faculty members. Course files and PPTs are shared with the students. Continuous internal evaluation is carried out regularly in theory and laboratory sessions. Tutorial and remedial classes are conducted regularly after taking feedback from the students twice in a semester.

Contents beyond classrooms are taught through seminars and guest lectures. Lot of emphasis is placed in the curriculum on subjects like Gender Sensitization, Human Values and Professional Ethics, Disaster management, Environmental Science etc in tune with the fast changing world for developing social awareness and conscience. Gender sensitization creates a positive outlook in students about gender roles, gender equality and women empowerment. HVPE promotes understanding of importance of right attitude to work. Awareness on Environment sustainability is created by implementing programmes like Haritha Haram, waste management and optimal utilization of natural resources available in the surroundings. Poster presentations, role-plays, skits, essay writing, case studies, debates, PPTs and videos are used to encourage collaborative learning and promote learner diversity.

Teaching-learning and Evaluation

Teaching-learning process is given utmost importance by training the faculty in preparing course files with comprehensive teaching material in digital format. The institution also conducts remedial classes, bridge courses, communication skills development programs, pre-placement training, group discussions etc., for the holistic development of students.

Experiential methods like project work, demonstrations, internships and industrial visits are executed in practical subjects. Participative learning is encouraged through workshops, seminars and expos. Latest methods like difference reduction, heuristics, etc. are followed to promote student centric learning. Innovative and creative methods like cross-over learning, incidental and real-life learning, behavioral modeling and play project augment student learning. NPTEL videos supplement the learning resources and EDMODO as the learning management system.

Student continuous evaluation is carried out in theory and lab subjects as per the norms of the university. To suit the capabilities of diverse learners, methods like Diary writing, Viva, Quizzes, Assignments, Seminars, Comprehension/Listening Test, Oral Tests, Surveys, Paper Presentations are included. Evaluation is transparent as internal assessment marks are communicated to the students and answers are discussed in the class. All the complaints and grievances related to examination procedures are handled and addressed within two to three working days. All the circulars related to examinations are promptly communicated by the exam cell. Strict adherence to exam timetables and upload deadlines is ensured.

Course and programme outcomes for all the subjects are disseminated to all the stake holders including students. Course, faculty and exit surveys are conducted to assess the attainment of POs and COs.

Research, Innovations and Extension

The Institution has a core Research and Development Cell to promote and monitor the progress of research activities on campus. The Dean-R&D along with all the HoDs and senior faculty members from all the constituent departments guide and monitor the research activities. The institution has a stated Code of Ethics book to check malpractices and plagiarism in research. Reports of the seminars conducted on Intellectual Property Rights are available on the website. The Research and Development Centre along with career development cell is actively involved in acquiring MoUs with industries and enterprises like ICT, ORACLE, AMAZON WEB SERVICES, PALO ALTO and DELL-EMC. A project expo is conducted every year and best projects from each department are given prizes. Research facilities are provided to facilitate in-house project work for the students.

Extension activities to nurture corporate social responsibility and holistic development in students are conducted through NSS unit. These include programmes like adoption of a government school and Qutbullapur village, Aids awareness, Swach Bharath, Road safety, Haritha haram and many medical camps. Nature club and Street Cause collaborate in conducting environment awareness programmes. AIET-WOW chapter has been established in collaboration with ITC for the effective waste management. Entrepreneurship development cell and Research development cell regularly organize workshops and seminars. Water Testing Services by Water Testing Centre of Aurora Research Labs is extended to the neighborhood community to create awareness about safe drinking water.

Infrastructure and Learning Resources

AIET has infrastructure facilities with required number of classrooms, seminar halls, laboratories, tutorial rooms, staff rooms, office rooms, common rooms and student activity rooms as per the norms. The seminar halls and classrooms are equipped with LCD projectors, public address system, collar mikes, computers and furniture. ICT tools are used for teaching learning activities.

AIET library is well equipped with a huge collection of books and journals. Library is automated with DELNET system. National Digital Library membership facility is available under single window search. Access to E-books and E-resources are available in the digital library. Access to Rare books and manuscripts is provided in the digital library. Resource books, journals, references, newspapers, newsletters and magazines are available in the reading hall. Syllabus books, Question papers are also available for reference.

The institution has a huge playground and equipment for games like Basket Ball, Cricket, Volley Ball, and Hand Ball etc. Indoor sports like Table Tennis, Caroms and Chess offer good recreation activities. Yoga sessions are conducted periodically.

IT infrastructure facilities are provided and maintained as per the norms and prescriptions of the RTU. Maintenance of buildings, furniture, equipment in laboratories, electrical connections, plumbing, supply of drinking water, computers and Wi-Fi networks, landscaping, gardening etc. are outsourced through an Annual maintenance contract. Security is outsourced to professional agency-Sentinel Security Services. Institution has a compound wall and security guards are placed at all critical locations on the campus. Name boards and signboards are displayed for the convenience of visitors.

Student Support and Progression

Student Activity Council is constituted every year with III and IV year students to create a link between the students and the administration, the students and the faculty, the students and the community and among the students themselves. SAC members are elected by the Class Representatives (CR) of all the branches of Engineering and MBA by voting system. It is the backbone of all the committees and a symbol of democratic governance and decentralization.

The committee aims for the overall improvement of academics, co-curricular and extra-curricular activities. It takes the initiative for organizing several activities on campus and off campus as well. It helps students share ideas, interests, and concerns with the teachers and the Director.

There are various clubs functioning on campus to nurture the creativity and talents in students. For eg: Photography, Literary, Cultural, Nature, Department Clubs and Professional Society Chapters in all the branches. Competitions are conducted regularly to support extracurricular and co-curricular activities within the college and at intercollegiate level.

AIET alumni association is active and contributes by constantly supporting and providing help in areas like career mentoring to the students, helping the academic council in designing new courses, creating a network with employers, Improving student recruitment efforts and in increasing efforts in collecting funds. Abhidheya programme is specially designed to strengthen this bond with the alumni where employers and management also take part. Alumni portal is available on the college website along with a registration form. Alumni updates are posted on the website regularly.

Governance, Leadership and Management

Democratic governance, decentralization, delegation of duties and responsibilities form the core of administrative system at AIET as teachers and students are involved in decision making of various academic practices. The college has an effective Governing Council consisting of senior academicians, industry professionals and research consultants, along with management members, Principal and faculty members. The culture of participative management is promoted in every aspect.

The management, Principal, faculty, students, Industry experts and alumni are members of IQAC which monitors effective functioning of college in academics, research and administration. The administrative and other functions of various bodies are documented and circulated to the concerned employees. Service rules and procedures, recruitment, promotional policies as well as grievance redressal mechanism are mentioned clearly in the Staff Service Rule Book. Student Rule book and Anti-plagiarism guidelines are available on the college website. Various committees, clubs, centers and cells which form the support system conduct meetings regularly and implementation of the resolutions is supervised by the coordinators.

Several welfare measures are implemented for teaching and non-teaching staff. Structured self–appraisal is collected from the faculty comprising of points on teaching capabilities, participation in research and development, administration and extension activities in addition to the student and peer feedback collected online. The audit of accounts and submission of income tax returns are being carried out regularly each year. Many gender equity programmes are conducted by Women Empowerment cell in collaboration with RAJASTHAN Mahila Jagruthi.

Institutional Values and Best Practices

AIET champions the cause of gender sensitivity by providing facilities such as Safety and security through CCTV surveillance, Counselling on women's issues and Common rooms. Effective waste management measures include proper disposal of solid and liquid waste through ITC-WOW Hyderabad Chapter. E-Waste management is outsourced as per GOI norms. The campus emanates many green practices. Students and staff use bicycles and public transport. Ramps and railings for disabled students are provided near all entry points and doorways. The institution aims to become Plastic free and paper free campus. Green landscaping with trees and potted plants is maintained throughout the campus.

To accomplish the vision and translate it into reality, AIET established ITL (Interactive Teaching learning) methodology to inculcate high motivation, communication skills, knowledge sharing, team spirit, freedom of expression and employability skills in students.

Taking cue from the latest concept *'Flipped classrooms'* (which is a blended learning approach, where face-to-face interaction is mixed with independent study) various methods were identified to facilitate the student centric learning. They are Case studies, Group discussions, Debates, Quizzes, Student seminars and Role-plays.

The ITL methods are implemented by dividing students into learning groups as per the requirements of each activity. Objectives of each method, guidelines and parameters for evaluation are communicated to the students. Performance of students in each learning group is evaluated individually.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ARYA INSTITUTE OF ENGINEERING AND TECHNOLOGY,JAIPUR
Address	ARYA INSTITUTE OF ENGINEERING AND TECHNOLOGY SP-40, KUKAS INDUSTRIAL AREA (RIICO), DELHI ROAD, KUKAS, JAIPUR (RAJ)
City	JAIPUR
State	Rajasthan
Pin	302028
Website	www.aryainstitutejpr.com

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	Himanshu Arora	0141-5148801	9982621591	01426-510040	principalaiet@arya college.org
IQAC / CIQA coordinator	Kshitiz Agarwal	0141-5148802	9001996649	01426-510041	registrar@aryacoll ege.org

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

Date of establishment of the college	01-07-2005

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Rajasthan	Rajasthan Technical University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	02-04-2018	12	

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes autonomydoc_1546409808.pdf
If yes, has the College applied for availing the autonomous status?	No

Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	Yes
If yes, name of the agency	RAJASTHAN TECHNICAL UNIVERSITY
Date of recognition	24-07-2018

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	ARYA INSTITUTE OF ENGINEERING AND TECHNOLOGY SP-40, KUKAS INDUSTRIAL AREA (RIICO), DELHI ROAD, KUKAS, JAIPUR (RAJ)	Urban	5	26120

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Computer Science Engineering	48	INTERMEDIATE	English	180	158
UG	BTech,Electrical Engineering	48	INTERMEDIATE	English	120	36
UG	BTech,Mechanical Engineering	48	INTERMEDIATE	English	120	64
UG	BTech,Information Technology	48	INTERMEDIATE	English	60	31
UG	BTech,Electronics And Communication Engg	48	INTERMEDIATE	English	120	48
PG	Mtech,Computer Science Engineering	24	B TECH.	English	18	1
PG	MBA,Master Of Business Administration	24	GRADUATION	English	60	47

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				16				27				103
Recruited	10	6	0	16	20	7	0	27	62	41	0	103
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				53
Recruited	49	4	0	53
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				23
Recruited	23	0	0	23
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	10	6	0	2	0	0	0	0	0	18
M.Phil.	0	0	0	2	3	0	35	27	0	67
PG	0	0	0	16	4	0	27	14	0	61

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	203	82	0	0	285
	Female	33	19	0	0	52
	Others	0	0	0	0	0
PG	Male	21	8	0	0	29
	Female	17	2	0	0	19
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		**Year 1**	**Year 2**	**Year 3**	**Year 4**
SC	Male	17	7	13	20
	Female	3	1	5	2
	Others	0	0	0	0
ST	Male	6	9	8	9
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	87	89	101	99
	Female	12	9	12	9
	Others	0	0	0	0
General	Male	204	239	318	415
	Female	56	71	60	87
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		385	425	517	641

Extended Profile

1 Program

1.1

Number of courses offered by the institution across all programs during the last five years

Response: 485

File Description	Document
Institutional Data in Prescribed Format	View Document

1.2

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	9	9	9	9

2 Students

2.1

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1877	2251	2583	2600	2714

File Description	Document
Institutional Data in Prescribed Format	View Document

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
115	139	139	253	334

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
513	711	786	664	621

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
166	250	262	257	242

File Description	Document
Institutional Data in Prescribed Format	[View Document](#)

3.2

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
166	250	262	257	242

File Description	Document
Institutional data in prescribed format	[View Document](#)

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 52

4.2

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
932.70	1019.65	874.02	888.53	963.84

4.3

Number of computers

Response: 800

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

Introduction

- Arya Institute of Engineering and Technology (AIET) was started in 2005. AIET currently offers the following Graduate & Post Graduate programs as follows:

1. Computer Science & Engineering (CSE)
2. Information Technology (IT)
3. Electronics and Communication Engineering (ECE)
4. Electrical Engineering (EE)
5. Mechanical Engineering (ME)
6. Master of Technology in Computer Science & Engineering
7. Master of Business Administration (MBA)

- The college is affiliated to Rajasthan Technical University and Curriculum is followed as per guidelines and structure as given by the University.

The process of teaching learning and evolution

- Allocation of subjects to the faculty based on th
- Preparation of college Academic Calendar
- Appointment of year coordinator and class in-cl
- Preparation of lecture plans & blown-up
- Preparation of target result for the departments
- Preparation of time table
- Preparation and distribution of study material i. of assignment/tutorial questions by the students
- Classroom teaching by giving lectures with disc visual aids, models, videos, NPTEL course mat
- Submission of course coverage through the wee principal after review.
- Conduct of Unit Tests, Internal Tests and Mode
- Checking of Assignments, unit test, Internal tes
- Submission of Schedule for Special Classes
- Conduction of regular class committee meeting teaching and other academics and non-academi

- Conducting Tutorial classes for analytical subje
- Arranging Guest lecturer for students relevant t
- Guiding and motivating students to do innovati
- Arranging in-plant training for the students to h
- Conduct of software training and Value added c
- Conduct of tech-club activities like seminars, qu
- Appreciation for the rank holders by gifting the
- Communicate the parents about the attendance
- Intimating the parents about the academic perfo
  and Model Exam.
- Conduct of Parent-Teachers Meeting every sem
  performance of their ward.
- Conducting Analytical & Aptitude training for t
- Motivating the students to read Journals and Ma
  Research & Innovations
- Motivating student teams to participate in confe
  institutions
- Conducting Mock online aptitude and Mock Int

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 61

1.1.2.1 **Number of certificate/diploma programs introduced year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
14	13	13	12	09

File Description	Document
Minutes of relevant Academic Council/BOS meetings	[View Document](#)
Details of the certificate/Diploma programs	[View Document](#)
Any additional information	[View Document](#)

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 6.37

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	2	4	2	2

File Description	Document
Details of participation of teachers in various bodies	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 4.54

1.2.1.1 How many new courses are introduced within the last five years

Response: 22

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	[View Document](#)
Details of the new courses introduced	[View Document](#)
Any additional information	[View Document](#)

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 7

File Description	Document
Name of the programs in which CBCS is implemented	[View Document](#)
Minutes of relevant Academic Council/BOS meetings.	[View Document](#)
Any additional information	[View Document](#)

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 100

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1877	2251	2583	2600	2714

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	[View Document](#)
Any additional information	[View Document](#)

1.3 Curriculum Enrichment

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

Response:

The institution believes that integrating cross-cutting issues with the curriculum would create a positive effect on the student in both in terms of his education and societal commitment. Accordingly, courses in gender sensitization, environment and sustainability, human values and professional ethics are offered by the University. To supplement this, the institute conducts several awareness sessions and related activities.

Gender Sensitization

Under gender sensitization, we take a lot of efforts in educating the students about equal rights, the values of creating equal opportunities and equality among them. As gender sensitization also involves the legality, so we teach them the legal aspect also. The management and college authorities ensure that everyone including faculty members is presented with equal gender equality policies.

Efforts made by the institution are:

- Equal opportunities to everyone
- Women's grievance cell
- Women Counselor
- Equal representation to women in all student council
- Women's wardens with guards are deputed for girl's hostel on the campus.
- Health club facilities for male and female separately

Environment & Sustainability

Environment and its sustainability area are a big concern today. Regular environment and sustainability workshops and programs are organized on the campus. Emphasis is given on the development of eco-friendly measures. Students are being taught about the ecosystem, natural resources, biodiversity, and types of resources both perishable and nonperishable & how to manage, conserve & recycle resources so that they are very well aware of the environmental issues.

Efforts made by the institution are:

- Awareness programs initiated by NSS
- Using solar / electrical vehicles in the campus.
- 500 kV Solar plant powering the campus.

- Campus emphasis on the need for energy conservation, for this LED bulb Manufacturing unit has been set-up in Campus which are used in administration and hostel buildings.
- Power correction factor equipment is used for optimum utilization of energy.
- Regular tree plantation
- Swacha Bharat Campaigns
- Bio-gas plant
- Plastic-free campus
- Green & clean campus with rich flora and fauna.
- Environmental science and engineering course
- STP of 3Cr. Ltr./Annum of recycling wastewater.

Human Values and Professional Ethics

The seamless objective of education should be inculcating human values and professional ethics. Teaching human value is to integrate honesty, hard work, integrity and character building. This course is introduced to the students with a vision to ensure the sync between the education and ethical value which is a core part of human values. This subject facilitates the holistic development of all students forming a basis of value-based life. It ensures a positive perspective on life, career, and happiness among students. Highlighting plausible implications in terms of ethical human conduct, mutually satisfying human behavior and trustworthy interaction with the world, this course allows the students to be completely ready to face the professional world.

Efforts made by the institution are:

- Teaching human values as a subject.
- Professional ethics courses like PEDM.
- Legal awareness classes
- Anti-ragging campus.
- NSS Activities, Motivational talks, awareness programs, spirituality, and human value seminars.
- Association with the Akshaya-Patra Foundation, to provide mid-day meals to schools.
- Blood donations camps
- Induction program for students

File Description	Document
Link for Additional Information	[View Document]

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 12

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 12

File Description	Document
Details of the value-added courses imparting transferable and life skills	
Any additional information	

1.3.3 Percentage of students undertaking field projects / internships

Response: 29.78

1.3.3.1 Number of students undertaking field projects or internships Response: 559	
File Description	**Document**
List of students enrolled	
Institutional data in prescribed format	
Any additional information	

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise **Response:** A.Any 4 of the above	
File Description	**Document**
URL for stakeholder feedback report	

1.4.2 Feedback processes of the institution may be classified as follows: **Response:** A. Feedback collected, analysed and action taken and feedback available on website	
File Description	**Document**
URL for feedback report	

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Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 8.01

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
140	221	226	162	212

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 60.2

2.1.2.1 Number of students admitted year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
425	517	641	561	772

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
768	1014	1014	1014	1014

File Description	Document
Institutional data in prescribed format	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 100

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
115	139	139	253	334

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The Institute assesses the achievement, fulfillment, and the extent to which the academic environment supports student learning. At the time of admission, students are counseled by our expert counselor for engineering environment and scope. After admission, the institute organizes 15 days orientation and induction programme in which students get familiarized with the humanities and courses provided by the university, mode of internal assessment and facilities available in the institute. A class teacher and a counselor are appointed for every class in order to identify the weak students to help him/her with counseling and intensive coaching.

The institute also organizes motivational sessions by motivational speakers. The institute takes every possible measure to understand the need and requirements of the students before the commencement of the regular academic classes. Institute also take care and arrange extra classes for those students who are weak in English and mathematics.

The students academic progress examined by respective HOD's and faculty member(s) and then counsel students to improve performance and to ensure academic growth. Students academic needs are assessed, and each department makes sure that they provide the required support to the student, be it technological or verbal, to ensure effective learning. The institution identifies students into two broad categories and devises special methods to derive maximum outcome from each group i.e. advanced learners and slow learners.

Learners are identified based on the assessments by individual course teachers, previous academic credentials and personal interviews. Initially, the percentage of marks obtained by the students in their

senior secondary examinations is taken into consideration, special procedures are taken to support advanced as well as slow learners.

i. **Support Mechanism to Slow Learners** – Extra support is provided to slow learners to overcome academic difficulties by:

- Organizing extra classes during the semester
- Giving practice assignments
- Providing presentations created by faculty members on college PPT portal (www.aryanotes.com).
- Providing extra reading material notes to improve basic understanding of subjects
- Engaging in social activities/class activities/institution activities to develop social skills
- Conduct a seminar or webinar from industry experts.
- Remedial classes are arranged after the college hours to help these students to clear their backlogs without any difficulty.

ii. **Support Mechanism to Advanced Learners** – Advance learners are encouraged by faculty members to work in a focused way that suits to their progress. In order to support fast learners, it is ensured that:

- They are given additional project work in state of art and robotics labs.
- Opportunities to present in their project in the science exhibition.
- They are encouraged to participate in various symposiums like quiz, poster presentation, competition etc.
- They are encouraged to write research papers.
- Being college is a gold partner with ICC programme, conducted by Infosys. Students & faculties get exposure to present this.
- They are given extra opportunities to get online certification course in the different fields of engineering through FOSS exam through IIT Bombay.
- Access to research labs for student projects

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.2.2 Student - Full time teacher ratio

Response: 147:13

File Description	Document
Any additional information	[View Document](#)

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	[View Document](#)

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

Response:

The students are taught to test the practical concept that they theoretically learn in the classroom. These practices enhance their practical knowledge as well as tests the concepts acquired by them. The qualified faculty and technical staff members help the students to conduct experiments.

Students are the most important stakeholders of the Institute. At our Institute, all efforts are being taken to groom them as social engineers. Following major points highlights the same:

1. The academic philosophy of Arya Institute of Engineering & Technology is student-centric.

Various methods of experiential and participatory learning are adopted to ensure that students are active participants than remaining passive listeners in the teaching-learning process.

Projects

Projects play a vital role in students academic where they showcase a wide range of skills and knowledge learned during their course completion. Projects allocated to students are in groups so students learn teamwork.

Industrial visits and Internships

An industrial visit is arranged for the students after the year-end to get the knowledge of recent trends, working culture and have an intellectual session from industry personnel. Internships are considered as an important career stepping stone. Students internship knowledge is evaluated by presenting a seminar on their internship project.

Laboratory Learning

The faculty members foster students theory knowledge into practical learning by inculcating rich experimental content of experiments mentioned in a syllabus and also make them do experiments beyond the syllabus too.

Innovation in Learning

The Innovative affluent content of teaching through experience, demonstration, Pre-placement Training, Training on Soft skills and value add programs, Guest lectures, Workshops/conference, Group discussions, Case Study, Role plays, Presentations, Midterm Papers, Home Assignments, Fieldwork.

2. Institute gives high importance to the holistic development of students beyond the classroom through co-curricular, extra-curricular and field-based activities.

3. In order to pursue the interest in their area of specialization, student's clubs & committees are functional.

Some of the committees are:

- Cultural Committee
- NSS (National Service Scheme)
- Sports Committee
- Alumni Committee
- Placement Committee
- Industry Interaction Committee

Each department has internal Clubs which organize different events. Such clubs are:

- Dot net Club (CSE Department)
- Power Club (EE Department)
- Robotics Club (ECE Department)
- ACME Club (Mechanical Department)

4. Technical Symposium cum Fest "Shraddhanjali" which is celebrated with great pomp and show every year and provides a National Platform to the students from all over the Country to showcase their talent. Students' participate in sports Competitions, Dance, LAN gaming, Paper Presentation, Quiz, Group Discussion etc to exhibit talent and to foster a spirit of togetherness and leadership.

More events are organized with scintillating participation. The event is followed by the prize distribution ceremony. Cash Incentives are distributed by Management along with Trophies and Certificates.

5. E-Cell provides mentoring opportunity by its network of acquaintance allies. Students seek to benefit from the experience of these initiatives. The association includes professionals, entrepreneurs, investors,

and Industry experts.

6. Wi-Fi facility is available in the institute to allow students to access technical resources.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 166

File Description	Document
List of teachers (using ICT for teaching)	[View Document](#)
Provide link for webpage describing the " LMS/ Academic management system"	[View Document](#)

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 11.38

2.3.3.1 Number of mentors

Response: 165

File Description	Document
Any additional information	[View Document](#)

2.3.4 Innovation and creativity in teaching-learning

Response:

Apart from regular lectures through chalk-and-talk, innovative teaching approaches are being practiced in various departments. Students are encouraged to think critically and be innovative and creative in tackling their assignments, projects and other tasks assigned to them. Teaching pedagogies have been modified over time to facilitate innovation.

For better teaching methodology institute provides E-learning platform for the students, which includes a presentation slide of each course by the concerned subject teacher. These slides are available on our college web site or on web link "www.aryanotes.com".

Students are also using NPTEL lectures in the library to explore new areas of interest, which is not possible in a regular college environment. It also provides the opportunity to learn in greater depth in the subjects they wish to master.

Conduct of Experiments:

For the detailed experiments, lab manuals are provided and lab plan & syllabus are displayed on lab notice board. Beyond the syllabus, experiments are also performed in each course lab. Experiment/ project is allotted in small groups of student and group discuss the problem by themselves and a presentation is given by each group in the lab to improve the learning and communication skills. It helps the students to cover maximum levels of learning according to Blooms Taxonomy learning domains i.e. from remembering to creating.

The Institute conducts Faculty Development Programs (FDP) for newly appointed faculty members to give them information regarding innovative pedagogy, brainstorming sessions, best practices in teaching and learning, moral values, question paper setting etc.

The Institute also works in close collaboration with many industries for the better learning process. With a state of art advancement in research and development for students in the field viz robotics, Drones, Mechatronics. The students get to benefit from strong research orientation. They get a chance for hands-on exposure to research on live projects at STATE OF ART ADVANCE R&D LAB.

Institute has a STUDENT DEVELOPMENT CELL (SDC) with the objective of bridging the gap between the academia, Students Skills, and the corporate world. SDC is a group of professionals to provide regular inputs for the complete development of students by making them prepare to face all the challenges laid down by the competition in the Corporate Industry & to help them emerge as a Complete Professional.

Workshops, Webinars and Expert lecture from industries are regularly organized in the institute.

Institute has Smartboard classroom and audio video studio to use all interactive modules like videos and presentations and these visually attractive methods of teaching become appealing to students who are already struggling with the traditional method of teaching in a classroom.

Industrial visits are organized for the students to gain practical knowledge about their functioning which gives them broad thinking. Charts and models are used by the faculty to explain the fundamental topics and advanced technologies, in theoretical and practical sessions.

Our Institute also provides facilities such as Language laboratory, Infosys campus connect foundation program, IIT Bombay Initiatives such as Spoken tutorial, FOSSEE (Free and Open Source Software for Education).

File Description	Document
Any additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	[View Document](#)
List of the faculty members authenticated by the Head of HEI	[View Document](#)

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 6.33

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
17	13	11	17	13

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	[View Document](#)

2.4.3 Teaching experience per full time teacher in number of years

Response: 6.15

2.4.3.1 Total experience of full-time teachers

Response: 1020.16

File Description	Document
Any additional information	[View Document](#)

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of award letters (scanned or soft copy)	[View Document](#)

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 15.17

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
34	45	31	38	26

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

The Arya Institute of Engineering and Technology follows the modalities of conducting the Continuous Internal Evaluation as prescribed by the Rajasthan Technical University (RTU).

- In the last five years, there have been several changes in the mode of evaluation. The department will carry out an internal assessment on all courses based on internal test (i.e. unit test, surprise test, assignments, quiz etc) performance of the students.
- Students laboratory record book contains an evolution report in which lab teacher award the internal marks in front of the student after every experiment performed and this internal evaluation report has criteria such as preparation marks, performance marks, viva marks, extra work marks etc.
- In a semester, two midterm tests are conducted. Each of the tests consists of descriptive or numeric or analytical questions as per university guideline. The average of the two tests is considered for final internal assessment. Previously the midterm test paper consists of 40 Marks but according to a new guideline of university different course have different marking scheme according to their credits.
- Assignment of each course is given to the student by the concerned faculty member. After the completion of every unit, assignment questions uploaded on website www.aryacollege.org, by the faculty members teaching theory subjects. Student access this assignment and student has to write it & submit within a week and each question is mapped with CO's. So the students will be able to understand the course outcome of a particular subject.

For smooth conduction of internal examination, the institute has an examination cell. Selection of midterm paper and guideline for internal assessment are described by the exam cell. The exam cell collects all internal award list data and store in digital format recovery/reference purpose.

For effective implementation of the Continuous Internal Evaluation (CIE) system at the institutional level, the institute conducts two unit tests and one pre-university test per course per semester and performance-based improvement test. The answer scripts are given back to the students after evaluation for their information, providing sufficient transparency and accountability, this also ensures the coordination between the teaching and the delivery.

The college gives facility to participate in competitive examinations and higher studies. Industrial visits are arranged for the students and students submit the visit report which is also evaluated for term work marks. For each program viz., UG, PG and Professional courses, suitable components are included in their CIE. The participation and performance of students in sports, NSS, and other extracurricular and cultural activates is also given weight. The feedback system is provided to the students for giving feedback on all fronts whether its CRT programme, Classroom teaching, Labs or Assignments. The Institute communicates progress report of their ward to the parents. It organizes parents and guardians meet to have a communication once in a year

Surprize Mock test are organized at the departmental level to ensure on-time performance and delivery of student.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

The students are well informed during the orientation programme itself regarding the university norms for the award of internal assessment marks as well as the rules and regulations pertaining to the internal assessment tests and university examination.

Midterm examination dates or procedure are notified on the college notice boards as well as student portal on the college website. Tentative Midterm dates are also displayed in college academic calendar or also announced by faculty members in the respective classes at least before the week in advance. After the midterm exam, the solution of midterm paper will be uploaded on the college web portal. After checking, answer sheets are shown to students and marking pattern is discussed.

The answer sheet of examinations are shown to the students after evaluation to bring out the discrepancies, if any, to the notice of teacher concerned, and the teachers make necessary corrections, once students are satisfied with the marks obtained teacher award these marks into award list and submit to exam cell. The assignment assessment lists are displayed on the notice board. Transparency and security of the evaluation system are ensured. The maximum and minimum marks in internal practical assessments are further reviewed, discussed and debated on regular basis.

The students are made aware of the evaluation procedures including revaluation and challenge valuation, examination pattern of college and the university, well in advance through circulars as well as information printed in the college notice board.

The subject teachers give at least 5 assignments per subject and each assignment is evaluated, marks are allotted for each assignment. As per university regulations, 50 or 25 marks are awarded for Social Outreach, Discipline & Extra Curricular Activities (SODECA). The institute conducts many events under its various committees, the participation in these activities is considered for this.

Examination cell of AIET directly works in synchronization with Principal and Director of Institute. To maintain the efficacy and efficiency in the exam process and its evaluation, the college adopts the same exam process as per University level.

Proctors are assigned to a group of students. They evaluate the performance and authenticity in doing project work / Assignment work.

To ensure the same, the following steps are taken

Basic eligibility for evaluation process is made known to students through the Rajasthan Technical University website, this enables the student to keep regular updates at University level also through notice boards and class counseling. •

 Institute notifies evaluation process and related documentation on the notice board as well as on institute website so the student can plan the preparation accordingly, this process includes distribution of the marks and schedule and time table of internal evaluation plus university evaluation system.

• Institute also notifies the criteria for allocation of term work marks through notices and class counseling.
• Continuous assessment report for all the courses is displayed in respective laboratories every month by the lab assistant. This work gets constantly monitored by the Head of the respective department.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

It is very important for every examination system to be transparent, time-bound and efficient. Students should have faith in the examination system. The process should be fair and if any discrepancy is reported by the student, it should be addressed properly within a time frame. For the purpose, a Grievance Redressal Committee consisting of Principal, Examination In-charge, Head-of-Departments, and some faculty members is formed in the college. The Principal of AIET is Chairperson of the committee. The above committee verifies the grievances and the nature of grievances.

The work of the Grievances Redressal Committee is to take the following complaints and take the decision to resolve these complaints-

- Marks totaling related complaints
- Out of syllabus complaints
- Quality of paper related complaints
- Casual/careless attitude of checking related complaints
- Invigilator behavioral related complaints
- Any other complaint related to examinations deemed fit for consideration

Students need to apply to the University for Correction in marks and reevaluation. The process is governed by RTU Ordinances. The examination cell of the college guides the students about the process. The process is also explained on the RTU portal. For errors like the mark sheets indicating that the student was Absent, the college promptly sends the duly certified attendance sheet to assist in locating marks in exam

branch and correcting discrepancies.

The internal assessment system of the students is transparent. Internal Assessment Committee addresses all grievances related to internal assessment marks. The committee is set-up at the college level to sort issues related to attendance and internal assessments and all queries are responded by the internal assessment to the committee convener. The committee promptly deals with mistakes/errors related to attendance, lab records, and internal assessment of the students.

An aggrieved student who has the Grievance or Grievances at the Programme level shall make an application first to the Head of Department. The Head of Department, after verifying the facts, will try to redress the grievance within a reasonable time, preferably within a week of the receipt of application of the student. If the student is not satisfied with the verdict or solution of the Head of Department, then the same will be placed before the Principal of AIET.

(b) If the student is not satisfied with the decision of Head of Department, he/she can submit an appeal to the Institute level committee within a week from the date of the receipt of the reply from the Head of Department, addressing to the Principal and copy to Registrar.

The Head of Institute, after verifying the facts and the papers concerned and after discussion with the Head of Department, will place the matter before the Institute level committee which shall either endorse the decision of the Head of Department or shall pass appropriate order in the best possible manner within a reasonable time, preferably within 10 days of receipt of application.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The academic calendar is the backbone of various teaching-learning plans prepared before the start of every semester. The institution ensures effective time management and timeliness. The academic calendar is prepared and published by the Rajasthan Technical University, Kota. It is available on the University portal. The college receives the academic calendar from either portal or mail and adheres to it. Institute also prepare the academic calendar by own based on the university calendar at the beginning of the academic year, academic calendar is published on college notice boards. The institute carries out effective planning to stick to the academic calendar. This allows the teachers and the students to space out their teaching-learning and regular assessment of the same.

The academic calendar is prepared by Head of Institute for all courses before the commencement of every semester and consists of commencement of instructional activity, declaration of In Semester Examination and other co-curricular plans of the department.

Teaching plan includes Lecture number, Unit number, the content of syllabus to be covered, methods of delivery, modern tool, papers referred, textbook/reference book, website referred etc.

The lecture plan is prepared by the concerned course faculty members. The lecture plan generally highlights the content and total lectures for completion of the curriculum. Monitoring of implementation of the lecture plan is done by the Principal and Head of Departments and corrective actions are suggested. Each faculty member prepares a weekly report to check his current status of academics. Further, each department prepares a weekly report in each week which comprises the total syllabus coverage report, notes status, total lecture taken etc. This report is audited to ensure academic plan adherence.

The laboratory plan is prepared by the concerned faculty member and batch-wise details are specified in the laboratory schedule. Time table of regular lectures for the semester is prepared as well as displayed on the notice boards.

 Mid-review of attendance and defaulter list, schedule of examination and the tentative schedule of End-semester examinations, review of the performance is done during the semester. Schedules of the seminar, project work, and PG dissertation work, end of the instructional activity, declaration of test results is catered in the academic calendar. It is displayed on the departmental notice boards on regular basis.

Subject loads are allocated to faculty members well before advance so that they could make the plans. Every faculty member prepares a teaching plan for each theory and laboratory courses before the start of the semester. The lecture plan or lab plan is checked by the Head of Department and then submitted to the Principal for final approval. The approved plan is followed during the semester.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

For each course offered by the college, a unique set of Program Outcomes have been defined. The vision and mission statements are displayed on the college website and at various key positions in the college building. The techniques of outcomes assessment as a means of measuring student learning and the use of that information to improve teaching are considered first. Program Educational Objectives (PEO), Program outcomes (PO) and Program specific outcomes (PSO) have been defined by every department. Course outcomes (CO) are discussed by faculty members in the classrooms. Program Educational Objectives (PEO), Program Outcomes (PO) are published on the college website. In a teaching and learning community, the most effective evaluation is that which encourages and rewards effective teaching practices on the basis of student learning outcomes. Faculty members, both individually and as colleagues

examining their department's education programs, have found the following activities helpful when undertaking outcome assessment. Like Classroom quizzes, Poster presentations of library or laboratory research, Projects, Questionnaires, Standardized tests (mid-term) both within and across disciplines, course end survey and yearly alumni feedback etc. Assessment is an ongoing process rather than a one-time grade, a learning outcome is a statement that sums up what it is you want your students to achieve. It usually takes the form "Students can" or "Students are able to" followed by a verb that applies to the knowledge or skill you are measuring. The course outcomes are written by the respective faculty member using action verbs of learning levels suggested by Bloom Taxonomy. When such evaluation is properly employed, then students are able to learn and achieve outcome of course and see difference in their performance throughout their lives.

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

It is often reported that there is tremendous growth in education providers, the need for quality assurance becomes essential. There is a gap between industry and academia because there is a lack of role-ready engineers required by the industry. In the student-centric education system, the focus is laid on what the students are expected to be able to demonstrate at the end of a module or program or we can say after the learning period.

The process of attainment of COs, POs, and PSOs starts from writing appropriate COs for each course of the program from the first year to the fourth year in a four-year engineering degree program. The course outcomes are written and their mapping with POs are reviewed frequently by a committee of senior faculty members before they are finalized. Course Outcomes are statements that describe what students are expected to know, and be able to do at the end of each course. For the attainment of Course Outcomes**,** assessment process can be divided into two categories:

- Direct Assessment and
- Indirect Assessment

A direct method which is based on a sample of actual student work, including reports, exams, demonstrations, performances, and completed works, requires students to produce work so that reviewers can assess how well students meet expectations.

An indirect method is based upon a report of perceived student learning. Indirect measures of assessment

provide opportunities for students to reflect on their learning. The tools such as homework assignments, Exams, quizzes, Observations of field work, internship performance, Rubric scores for writing, oral presentations, performances, Grades based on explicit criteria related to clear learning goals tests, assignments, examinations etc. are taken for direct assessment method and Percent of class time spent in active learning, Number of student hours spent on service learning, Number of student hours spent at intellectual or cultural activities related to the course comes under indirect assessment method. Program Outcomes (POs) are one step broader statements than COs that describe what students are expected to know and be able to do upon the graduation. These relate to the skills, knowledge, and behavior that students acquire in their matriculation through the program. Program outcomes and 'program specific outcomes' are attained through the attainment of COs. This is called direct attainment of POs and PSOs.

Attainment of CO and PO is measured considering the Topic learning outcomes also. So attainment that is being spoken here is the guaranteed minimum attainment. An excel sheet with all the necessary formulae for measuring attainment is prepared. The faculty after completion of the evaluation of IA booklets in his course has to enter the marks in the excel sheet. Also, he has to enter the CO to which the question meets, the maximum marks for that bit of question, and CO-PO mapping done in the lesson plan. All other calculation for one IA is done with the formulae proposed.

File Description	Document
Link for Additional Information	[View Document](#)

2.6.3 Average pass percentage of Students

Response: 87.52

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 449

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 513

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.54

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 25.47

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
11.58	10.76	2.12	1.01	0.0

File Description	Document
List of project and grant details	[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 0

3.1.2.1 Number of teachers recognised as research guides

File Description	Document
Any additional information	[View Document](#)

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.06

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 14

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 1177

File Description	Document
Supporting document from Funding Agency	

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The undergraduate and post-graduate students are encouraged to provide innovative strategies for development. They provide products, strategies, and programme design and evaluate these to respond to the emerging needs of a developing nation. Students are encouraged to innovate and launch their products.

The Entrepreneur Cell works for the students and motivates them to share their ideas and provide them with support so that they can work on their new startups ideas. Entrepreneurship Cell is searching for innovative and enterprising ideas through its Business Plan competitions. Our competitions provide a platform for students to get excellent professional mentorship from our experienced, varied and distinguished mentor pool, and to showcase their ideas in front of Venture Capitalists, Angel Investors and Industry Leaders. Department of Science and Technology, Government of India, is very keen on developing Entrepreneurial Development bodies in all major educational institutions in India. In this regard, Entrepreneurship Cell, of college stands out as a pioneering organization. Thus, any association with us will be symbiotic and mutually rewarding to both sides. Entrepreneurship Cell is on the lookout for corporate who can mentor the Business Model that qualify in our competitions and the scores of other startups that look to us for connecting them with the right mentors. They can act as angel investors or as help with the technical aspects. Either way, a good return on investment is to be expected as most of the startups incubated through us have gone on to win various awards and are flourishing in their respective industries.

College is an incubation center of MSME, MSME stands for Micro small and medium enterprises.

promote growth and development of micro, small and medium enterprises, including khadi, village, and coir industries so as to create new enterprises and more employment opportunities. the long term goal of the ministry is to enhance the manufacturing base in the country by improving the performance of MSME's through skill and entrepreneurship development.

The research work in the college is promoted with a special focus on better understanding and wellbeing of the individuals and the community. The hallmark of research at Lady Irwin College have been that the recommendations made after rigorous research have been accepted and have got into national policy and programs, some of such research areas which have been able to contribute to the policy are presented here-

- Entrepreneur Cell
- Institution's Innovation Council to promote innovations.
- Incubation with MSME and RTU for startups.

- Robotics Lab

Other initiatives for creation and transfer of knowledge include special lectures by eminent personalities, inter/intra college festivals including competitions, educational field trips, internships, training programs, Seminars and encouragement of students to present research work at national and international conferences.

There is a robotics lab in the institute to motivate students for implementation of their theoretical knowledge into projects and new innovations. Students have made various projects and participated in various college events.

File Description	Document
Link for Additional Information	[View Document](#)

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 0

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
List of workshops/seminars during the last 5 years	[View Document](#)

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.3.2 The institution provides incentives to teachers who receive state, national and international

recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	
Any additional information	

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years
3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 1

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.19

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
16	11	7	7	3

File Description	Document
List of research papers by title, author, department, name and year of publication	

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 0.35

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in

national/international conference-proceedings year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
31	11	14	16	10

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The extension is an integral part of Higher education, therefore, the college offers extension papers in all six areas of specialization. The college has earned a reputation for being an established institution of higher education with high regard for social responsibility.

The college alumnae and faculty remain committed to engaged citizenship. Many have contributed and continue to work for social change in the field of education, empowerment of women and for an inclusive society. Department of Development Communication & Extension spearheads higher education in extension through community empowerment and involvement, focusing on issues such as adult education, gender, public health, environment, and other development programmers.

The college faculty and students are involved in multifarious activities for promoting the idea of an institute neighborhood community network. The extension activities are integral to UG and PG teaching at the college. Engagement of students in these activities is the first window to observe life closely at the grassroots. They become sensitive to the challenges of a developing society like ours and observe the inequities and the challenges they pose towards the development potential of people.

Swachh Bharat Abhiyan is a cleanliness drive aimed to cover 4,041 statutory cities and towns all over India in order to clean the streets, roads and other infrastructure. Swachh Bharat Abhiyan is a cleanliness campaign run by the government of India and initiated by the Honourable Prime Minister, Narendra Modi. It is a most important topic which our kids and students must know and be aware of this mission. Students of the college participated in this program and clean the campus and outside of the campus areas. The college conducted a one-day awareness campaign at khorameena village of Jaipur district. The one-day education awareness programme was organized for the students where students spread the awareness about education and provide facilities for education in the future.

Major Extension Activities at college

- NSS

- Work on disability and elderly
- Clean India
- Community Work
- Vande Matram event
- Education Awareness Camp

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 21

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

2017-18	2016-17	2015-16	2014-15	2013-14
5	1	6	7	2

File Description	Document
Number of awards for extension activities in last 5 years	[View Document](#)
e-copy of the award letters	[View Document](#)

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 14

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	2	3	6

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 26.78

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1025	440	300	830	440

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 97

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
57	13	8	7	12

File Description	Document
Number of Collaborative activities for research, faculty etc	
Copies of collaboration	

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 96

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
34	30	22	7	3

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	
Details of functional MoUs with institutions of national, international importance,other universities etc during the last five years	

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The institution has adequate facilities for teaching-learning as described below, as per the requirements of AICTE and RTU.

1. Classrooms

The institution has forty-five well-furnished and ventilated classrooms of minimum sixty-six sq.m. area for conducting teaching-learning activities with the following facilities:

Approx Seating for sixty students

Wi-Fi internet facility

Provision for connecting PC, laptop and OHP.

Equipped with Black/whiteboard.

2. Laboratories

The institution has over fifty well-equipped laboratories with latest hardware and software under all its departments as per the requirement of the statutory bodies. The laboratories have equipment for conducting all the experiments prescribed in the curriculum by the RTU. The laboratories are also used for developing mini and major projects and conducting research by students and faculty members. The major laboratories with specialization of the department are CNC, HIGH VOLTAGE LAB, and PCB lab etc.

3. Workshops

The institution has an engineering workshop with more than two hundred sq.m areas having the following facilities:

- Ten workbenches for carpentry and fitting hand practice with bench vices for holding the job.
- Workshop equipped with six lath machines, two shaper machines, two milling, one drilling, one grinder, one power hacksaw, one bending machine, and one capstan lath.
- The workshop also having the welding practice shop for practicing gas welding, arc welding, and spot welding.
- Facility for Aluminum casting with an electric heating furnace

- Tool and tackles for carpentry, fitting, sheet metal, welding, plumbing, foundry, and house wiring

4. Drawing halls

Two drawing halls are available in the institution for teaching Engineering Graphics and practicing machine drawing to B.Tech first year students of all branches and Machine Drawing Practice to B.Tech second year students of Mechanical Engineering. Each drawing hall has well ventilated and lighting facility with sixty drawing tables and stools and can accommodate sixty students at a time.

5. Seminar Halls

The institution has seven seminar halls with each hall having more than one hundred thirty-two sq.m areas which are used for conducting guest lectures, seminars, tech talks, group discussions, debates, role plays, etc. and have the following facilities:

Seating for one hundred fifty students

LCD projectors with screen

Public addressing system

Wi-Fi internet facility

6. Smart Classroom

Keeping the advancements in teaching-learning technologies in view, the institution has set up fifteen smart classrooms with the facilities listed below. Desktop/laptop

Interactive whiteboard

LCD projector

Wireless microphone

Cloud-based communication system

7. Computing equipment

The institution has eight hundred desktop PCs exclusively for teaching-learning purposes for students and faculty members under all the departments with the latest hardware and software.

All the PCs are connected in LAN and have restricted access to internet facilities. The institution also has thirty-five printers and four scanners.

The campus is Wi-Fi enabled and is accessible to all students and faculty members.

R&D lab

This lab includes several labs like An in-house grid substation of 11KV, Robotics lab with the latest machinery. Advance hybrid energy lab, language lab with oral software, and incubation lab have been installed for student learning.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

The institution gives utmost importance to the overall development of the students and organizes various sports, games, and cultural activities on campus regularly.

To support this, the institution has the following facilities which are kept open beyond the working hours for students and staff.

Facilities and Infrastructure are available at Gym-

The Gymkhana has amenities for both Indoor and Outdoor games. To play Indoor games, there is 4 Table Tennis (TT) tables, 15 TT bats, 15 boxes of TT balls, 3 Carrom Boards with 20 boxes of Carrom coins and 10 Chess Boards. In-house Judo training is given for students attending intercollegiate Judo competitions. For Outdoor games, there are 2 Football nets and 6 Footballs. For Cricket we have 6 bats, 2 Season Bats, 3dozen Season Balls, 4 Helmets, 4 Wicketkeepers? Gloves, 6 Hand Gloves for Batsmen, 4 Abdomen Guards, 4 Elbow pads, 2 Chest Pads, 4 Thigh Pads, 4 pads, and 12 Stumps + 4 dozen Tennis Balls. For Volleyball, we have types of equipment like 5 big Nets, 12 Balls and 6 Timers. We have 2 small Nets and 8 Balls for Throw Ball. We have 8 Badminton Rackets, 2 dozen Shuttlecocks, and 1 Net. For Lawn Tennis, we have 2 Rackets and 1 dozen Balls. Football and Cricket kits, T-Shirt and shoes are provided from the college as per the players? requirements during intercollegiate and other sports events. There is infrastructure like 6 tables, 15 chairs, and 1 intercom extension.

Music Club-

Arya College believes in the development of the students as a whole, and strives to provide a climate that nurtures the holistic development of our students, an environment that is trusting and spontaneous; and encourages flexibility, celebration, and recognition. This is achieved through cultural clubs like Music Club which covers a wide range of instruments like Guitar, Tabla, Harmonium, Jazz and fully fledged audio recording room with all facilities, along with the various forms of classical and non-classical music.

Dance Club-

Arya College understands that energy in young individuals are meant to be high and they need to be rythmized as per trends and patterns. Almost all students seek active participation in this club and learn dance and practice dance which are available through speakers and music system. This club is completely seen and taken care of by students. With this many cultural events keep happening in college and in college events.

Our college has modern Multi Gyms for boys and girls students and staff usage. Our students have won Medals and Prizes in various competitions organized Inter-Zonal and National level participation and have brought many laurels to the college.

Cultural Activities: As cultural activities are an integral part of the study, the students are permitted to participate in various cultural activities inside and outside the campus. It provides personal growth by learning skills, to meet new people and to pass on the cultural traditions.

File Description	Document
Link for Additional Information	[View Document](#)

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

Response: 67.31

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 35

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	[View Document](#)

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 6.18

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
61.2	70.1	52.9	43.9	62.0

File Description	Document
Details of budget allocation, excluding salary during the last five years	[View Document](#)

4.2 Library as a Learning Resource

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

Response:

The library is automated using the Integrated Library Management System (ILMS)

Library uses DELPLUS Software having nature of as full automation from the Year 2011 that supports all in-house operations of the Library. These functions usually include circulation, acquisitions, and cataloging etc.

1. OPAC: Online Public Access Catalogue (OPAC) consists of Acquisition, Cataloging, Circulation, Serials control and Web OPAC facility which allows students and faculty to browse a book by author, title, publisher or any keyword. Barcode-based circulation of books is implemented.
2. Barcode-based circulation of books is implemented.
3. The library is having collections of e-journals and e-books.
4. Central Library has a provision of access to e-journals like IESTC E-journals, NPTEL video lectures, DELNET, Project Report/Thesis/ dissertation Reports for UG & PG programmes. For this purpose a separate arrangement in Digital Library is made where students & staff can access, download, print the open access journals & research papers, also they can listen to the video lectures with the help of audio-visual aids.
5. Services of Library have planned in such a way that its functioning is always user-friendly with more focus on student's convenience and their activities.

AIET library is located in the center of the college campus. The library building is centrally located, well laid out, and aesthetically designed to make it an inviting place with the ambiance that is suitable for learning. It's a Double level Storey building where ground floor comprises of Book counter, NPTEL area, separate reading space for both faculty and student whereas basement having Books shelves for various departments and reference books sections. AIET Central library is stocked with many books, periodicals, references, national and international journals, covering all aspects of academic studies and research materials.

We have a Library Advisory Committee, with Principal as the Chairman and Heads of Department are the Executive Members, Librarian as the secretary and faculty and students are the members. The committee functions as a bridge between staff, students and library. The committee meets once in a semester.

Books required as per AICTE norms is sought from the departments every year and purchased as per the norms of the Institute. Journals requirements suggested by the Heads of Departments are also discussed in the meeting and recommended accordingly. The updated version of e-journals is printed according to HOD's recommendations. Students are permitted to bring books from the stack and journals from the periodical section and use the reading hall for during reference work. We have designed i-search software for easily search about the book's position in the stack.

The library is **fully automated** with all its subsystems having Centrally air-conditioned Reading Hall and has Fiber Optic connectivity and Wi-.Fi. It has a separate Research and Computer Lab with the provision of 60 workstations to access or e-resources and e- databases.

Printers are available for public usage. A digital library is available with Internet bandwidth/ speed of 45Mbps.

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

Response:

The college ensures library enrichment in the form of-

There is a collection of over 1000 Educational CDs in the library. The CDs include technical lectures, videos, and demos pertaining to subject areas such as Computer Technology, Information Technology, Electronics Engineering, Mechanical Engineering, Electrical engineering, Civil Engineering, and MBA.

The library is having a collection of rare books, special reports which help the overall development of students and faculty.

The library has been provided with around 50 copies of rare books

More than 30000 Volumes are available in the library.

Near-about 2000 Titles are available in the library.

Ph.D. reports and proceedings of the conference are available.

A sample of library books has been listed below,

1	UNDERSTANDING
2	FUNDAMENTALS OF COMPUTER NETWORKS
3	GAS TURBINES
4	ELECTRICAL ENGINEERING FUNDAMENTALS
5	HOW TO READ BETTER AND FASTER
6	HOW TO READ BETTER AND FASTER
7	HOW TO READ BETTER AND FASTER
8	ELEMENTS OF THE THEORY OF COMPUTATION
9	POCKET OXFORD ENGLISH DICTIONARY
10	POCKET OXFORD ENGLISH DICTIONARY
11	INSTANT WORD POWER
12	INSTANT WORD POWER
13	MACMILLAN ENGLISH GRAMMER
14	MACMILLAN ENGLISH GRAMMER
15	LEARNING POWER
16	GRAMMER POWER
17	PRACTICAL ENGLISH GRAMMER
18	WEBSTERS DICTIONARY AND THESAURUS
19	WEBSTERS DICTIONARY AND THESAURUS
20	MACMILLAN LEWERS DICTIONARY
21	ENGLISH-HINDI DICTIONARY
22	WEBSTER DICTIONARY
23	BASIC ENGLISH USAGE
24	BASIC ENGLISH USAGE
25	INTERMEDIATE ENGLISH GRAMMER
26	INTERMEDIATE ENGLISH GRAMMER
27	SPEAK BETTER WRITE BETTER ENGLISH
28	INTRODUCTION TO LANGUAGE AND THE THEORY
29	HOW TO WIN FRIENDS AND INFLUENCE PEOPLE
30	FUTURE SHOCK
31	INSTRUMENTATION AND MEASUREMENT
32	SEVEN HABITS OF HIGHLY EFFECTIVE PEOPLE
33	SEVEN HABITS OF HIGHLY EFFECTIVE PEOPLE
34	SEVEN HABITS OF HIGHLY EFFECTIVE PEOPLE
35	MANORAMA YEARBOOK-2004
36	INDIA-2004
37	IMPROVE YOUR COMMUNICATION SKILLS

38	COMMUNICATION AT WORK
39	HOW TO GET ANYTHING YOU WANT
40	BUILDING A POSITIVE ATTITUDE
41	TIME MANAGEMENT AND PD
42	THE PRESENT
43	CLEAR WRITING
44	THE STUDENTS COMPANION
45	CYBER LAWS
46	CYBER LAWS
47	DICTIONARY OF IT
48	ENVISIONING AN EMPOWERED
49	ENVISIONING AN EMPOWERED etc...

File Description	Document
Any additional information	[View Document](#)

4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

Response: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	[View Document](#)

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 8.55

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
5.80	5.98	13.08	10.96	6.94

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	[View Document](#)

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

4.2.6 Percentage per day usage of library by teachers and students

Response: 8.17

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 167

File Description	Document
Any additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The institution has a dedicated internet leased-line to cater to the requirements of the internet for all the students and staff. Management of internet services is carried out with expertise and day-to-day maintenance is outsourced for better services. Latest anti-virus software is being used in the institution for providing a safe and secure environment for digital activities. Manageable routers and fiber optic network is in place for quality service in the institution.

The College is having well established IT facilities on the entire campus. Each department has its own computing facility with an adequate number of Computers, printers. All the computers in the laboratory are connected to a single network. The college ensures the availability of adequate physical IT infrastructure. Whenever additional curriculum needs arise, it is ensured that the required IT infrastructure is available on time. The college regularly upgrades both software and hardware facilities as per the academic requirements. Deployment of IT infrastructure is done through System Administrations team. All the academic and administrative IT requirements are addressed by this team. The Free Wi-Fi facility is available in the campus for staff members and students.

The following are the strategies for deploying and updating IT infrastructure and associated facilities:

The college procures a new upgraded version of computers and peripherals.

Software as per the requirements of each department is procured and students are allowed to undertake a project or related assignments on the software.

Wi-Fi facilities are upgraded as per the requirement.

Wi-Fi facility is provided to each staff and student wherein, they can access all types of e-learning resources.

ICT- Classroom facilitates modern techniques of teaching.

All the systems are connected by Single LAN.

78 CCTV's are installed to have strict surveillance and monitoring of all the events and happenings in the college.

Moreover, the institution is a regular organizer of Online Exams for many reputed organizations like Tata Consultancy Services (TCS), IBPS, RBI, JEE, GATE, AIIMS, SSC of India, Indian Air Force etc. This provides excellent exposure to conducting online examinations and gives a chance for up gradation and enhancements of the IT infrastructure along with revenue generation.

Wifi is provided in the complete campus which is smart, simple and Secured hi-speed network.

The college has a well-developed system for providing IT facilities to the users. Some of the facilities are as under:

1. Almost all the departments have LCD projectors, overhead projectors, printers, and scanners.

2. The computers and printers of all the departments have the software installed in them and the Hardware is also maintained from time to time.

3. The college website is monitored and updated from time to time by the IQAC cell of the college.

4. The computers and printers of Administrative block and Computer Lab are connected in LAN.

5. The whole campus of the college has a Wi-Fi facility with a speed of 100 Mbps.

6. The FOSS lab is developed to make the online tutorial available to students.

7. College is equipped with its own server system.

File Description	Document
Any additional information	[View Document](#)

4.3.2 Student - Computer ratio

Response: 61:26

File Description	Document
Any additional information	[View Document](#)

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

Response: >=50 MBPS

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 29.18

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
344.64	318.58	233.54	275.85	192.18

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	[View Document](#)

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

Response:

The College reserve approximately 7-10% (of the cost of instruments) budget for the purpose of maintenance and upkeep of the facilities like building, furniture, equipment, computers, vehicles etc.

Central Facilities: Following Central facilities are being monitored centrally

Library

 Internet

 Canteen

 Transport

 Maintenance

Staff Council **Committees** have been constituted for maintenance of infrastructure facilities & equipment

1. Building and Maintenance& Infrastructure Committee
2. Computer & IT infrastructure Committee
3. Laboratory Equipment's/ Machineries Committee
4. Furniture's/ related items committee
5. Garden Committee
6. Library Advisory Committee

1. **Building and Maintenance & Infrastructure Committee**

- Generally as far as practicable for a society owned institution, a constant effort is made to provide dedicated and secure space for equipment and tools. There is a building committee to look after the maintenance, repair and constructional work related to the building. Construction, repair, and maintenance of the main building, hostel buildings and physical infrastructures like water, power supply, and gas are looked after by this committee. All work is done through a tender system as per standard norms.

- A supervisor is assigned by the college authority to verify all maintenance and up gradation work related to civil, mechanical and electrical, done by the contractors through proper procedure.
- All minor faults are attended and repaired by hired technicians, carpenters and plumber etc.
- The college has an electrical power generator system for uninterrupted power supply round the

clock.

- Maintenance of washroom, toilets and service areas are outsourced through various in-house housekeeping members.

1. **Computer & IT infrastructure Committee**

- Maintains Stock Register regularly to keep account of the non-functional equipment and infrastructure, like computers, printers, etc.
- Maintenance and up-gradation are looked after by a computer maintenance committee from time to time.
- Annual Maintenance Contracts (AMC) for computers used in different departments as well as those used as a central facility like the Wide Area Network (WAN), Intercom etc. are renewed regularly to ensure their good service.

1. **Laboratory Equipment's/ Machineries Committee**

- Maintains stock register by the laboratory for keeping a list of chemicals, glassware and any other instruments used in the laboratory.
- Maintains Dead Stock Register regularly to keep account of the non-functional equipment and machinery etc.
- Annual Maintenance Contracts (AMC) for different laboratory instruments and machines are done.
- The laboratory equipment is maintained at the departmental level by the staff or through hired technicians annually and/or whenever necessary.

1. **Furniture's related items committee**

- There is staff to look after the maintenance and repair work of furniture and fixtures and other physical infrastructure. He brings into the notice of the authority the needs of repair work and certifies after the work has been completed.

1. **Garden committee**

- The College has a team of efficient and experienced gardeners to maintain the lawns and flora of the College. Planting of seasonal trees is carried in the college regularly. The trees are pruned after due permission from the Government under the supervision of qualified staff.

1. **Library Advisory Committee**

- College Library Advisory Committee includes all heads of departments, Vice Principal, CRC coordinator and two representatives of staff council. Most concerning purchase, issue, and up-gradation of library facilities are decided in this committee.

Building Hygiene: Sweepers and a supervisor are allotted for a particular area. All the sweepers are required to sign in the register at the supervisor to confirm that he/she has done the duty. The supervisor should attest the same. Duties of Sweepers: Cleaning of classrooms, corridors, floor cleaning of laboratories, staff rooms and other areas allotted. Dusting of furniture and windows in the class rooms and also cleaning of glass boards. (However, the dusting of departmental furniture/equipment/machines shall be done by department attendees and lab technicians.)

The contractor supervisors shall personally monitor the work and lock the class rooms after he is satisfied with the work.

Toilet Hygiene: Each toilet is to be cleaned four times a day, which should be checked by the supervisor concerned. Care is taken in providing exhaust fans, daily cleaning with phenol or detergents, use of naphthalene balls.

Class Rooms: Use of non-dust chalks. Daily sweeping of class rooms. Wet cloth cleaning of benches (at least twice a week). Blackboard cleaning (with a wet cloth daily).

Floors: Daily sweeping and cleaning with wet cloths to ensure dust-free surrounding. Provision of common dustbins at various locations on each floor. HODs/In-charges shall make complaints regarding hygiene to the Principal, which will be forwarded to the contractor for necessary action. contractor shall maintain a log book for this purpose in which the complaints and action taken against the complaint are recorded.

Labs: Periodical checkups of all equipment in laboratories are done to ensure the smooth conduction of lab hours. Depending on the experiment, one, two or a maximum of three students perform a single experiment with a common set of apparatus. Additional experiments are designed to utilize all the equipment available in the lab. Stock verification is being conducted in all laboratories every year.

Computing Facilities-Maintenance & Utilization: Computing facilities are provided as per the AICTE norms, even extra computers are provided to meet the practical requirements. Internet connectivity is provided. All the computer systems in the college are on LAN with OFC backbone. Wi-Fi enabled facility shall be provided. The number of computers to be made available will be as per the requirements. A team of technicians with a faculty in-charge takes to care for the maintenance of computers.

Library: Library is maintained and monitored by the Library Advisory Committee. Library maintenance is computerized and automated with regular/constant up-keeping. Regular swabbing of the Library floors, regular cleaning of the racks, up-keeping the quality of the books with needed binding is in place.

A dedicated team of electricians, plumbers, carpenters, and other personnel provide round the clock service to departments, hostels and quarters. In every department, one of the staff members is assigned to oversee the laboratories and equipment etc. He /She is responsible for the safe and smooth maintenance of the equipment, and facilities. The logbook is maintained to ensure entries and problems if any. The Heads of the Departments supervise all the facilities.

File Description	Document
Any additional information	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 7.35

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
113	182	160	204	233

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)
Any additional information	[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 11.2

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
454	362	243	120	47

File Description	Document
Any additional information	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1. **For competitive examinations**
2. **Career counselling**
3. **Soft skill development**
4. **Remedial coaching**
5. **Language lab**
6. **Bridge courses**
7. **Yoga and meditation**
8. **Personal Counselling**

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 32

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
721	917	820	565	743

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 27.55

5.1.5.1 Number of students attending VET year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
513	711	786	664	621

File Description	Document
Details of the students benifitted by VET	[View Document](#)
Any additional information	[View Document](#)

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document](#)
Details of student grievances including sexual harassment and ragging cases	[View Document](#)

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 61.08

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
307	311	525	455	413

File Description	Document
Self attested list of students placed	[View Document](#)
Details of student placement during the last five years	[View Document](#)
Any additional information	[View Document](#)

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5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 4.29

5.2.2.1 Number of outgoing students progressing to higher education

Response: 22

File Description	Document
Details of student progression to higher education	[View Document](#)

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 28.87

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

2017-18	2016-17	2015-16	2014-15	2013-14
10	22	63	53	51

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
81	120	182	145	120

File Description	Document
Upload supporting data for the same	[View Document](#)
Number of students qualifying in state/ national/ international level examinations during the last five years	[View Document](#)

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.

Response: 55

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

2017-18	2016-17	2015-16	2014-15	2013-14
6	4	15	18	12

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	[View Document](#)
e-copies of award letters and certificates	[View Document](#)

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Various committees, cells and bodies are constituted as per the norms or requirement to oversee academic and administrative operations at the institution. Members of these bodies meet as per the mentioned frequency of meetings. Most of the bodies meet once in a week. Women protection cell and RTI committee meet twice a semester. Higher authorities may call for a meeting of any body at any time based on the need.

All meetings are supported by a note taker and minutes of the meeting are recorded. Every meeting will be ended by listing out actionable items and recommendations, requests for approvals and conclusions. All actionable tasks are reviewed in the next meetings for progress. Approvals are followed up and converted into actionable items.

The list of committees is provided hereunder.

Internal Quality assurance Cell

Nominees

1. Dr. Yogesh Bhomia Principal

2. Dr. Surendra Sharma Director

3. Sandeep Jhamb

4. Sayar Singh Shekhawat

5. Deepak Sharma

AICTE Committee

1. Dr. Yogesh Bhomia Principal

2. Dr. Surendra Sharma Director

3. Sandeep Jhamb

4. Sayar Singh Shekhawat

5. Deepak Sharma

Academic Committee

Nominees

1. Dr. Yogesh Bhomia Principal

2. Dr. Surendra Sharma Director

3. Sandeep Jhamb

4. Sayar Singh Shekhawat

5. Deepak Sharma

Research Committee

Nominees

1. Dr. Yogesh Bhomia Principal

2. Sandeep Jhamb

3. Sayar Singh Shekhawat

4. Deepak Sharma

5. Dhiraj Shrivastava

Placement Cell

Nominees

1.Subham Mahajan

2.Piyush Sharma

3.Navneet Gupta

4.Rajkumar Kaushik

5.Indra kishor

Career Counseling Cell

Nominees

1. Dr.P.M.Bhardwaj

2. Ms.Sachi Kesar

3. Piyush Sharma

4. Sayar Singh Shekhawat

5. Deepak Sharma

Student Advisory Committee

Nominees

1. Piyush Sharma

2. S.S. Shekhawat

3. Sandeep Jhamb

4. Deepak Sharma

5. Manish Dubey

College Website Committee

Nominees

1. Pramod Sharma

2. Pushpendra Foujdar

3. Pankaj Kumar

4. Anil Kumar

5. Ankit Taneja

Discipline Committee

Nominees

1. Manish Dubey

2. Davendra Soni

3 Numa M. Thapliyal

4. Rahul Saxena

5. Karan Sood

Cultural Committee

Nominees

1. Ms. Anupama Pande

2.Dr.Anupama Choudhary

3 Vishnu Barodiya

4.Rahul Saxena

5. Tripti Dua

Budget Committee

Nominees

1. Dr. Yogesh Bhomia Principal

2. Dr. Surendra Sharma Director

3. Sandeep Jhamb

4. Deepak Sharma

5. Jitendra Prajapat

Library Committee

   Nominees

1. Pawan Sen

2. Ankit Taneja

3. Prashant Singh

4. Pradeep Sharma

 5. Gourav Sharma

 6. Gourav Sharma –Librairan

 Anti Ragging Committee

Nominees

1. Deepak Sharma –EE-HOD

2. Manish Choubisa

3. Abhay Purohit

4. Anil Bhargava

5. Amitesh Sharma

Transport Committee

Nominees

1. Sandeep Jhamb

2. Anju Rajput

3. Nishu Sharma

4. Pankaj Kumar

 5. Vinny Sharma

Canteen Committee

Nominees

1. Dhiraj Shrivastava

2. Neha Jain

3. Gaurav Agarwal

4. Rajkumar Kuashik

5. Tripti Dua

RTI Committee

Nominees

1. Dr.Surendra Sharma Director

2. Anil Kumar

3. Indra Kishore

4. Shubhash Saini

5. Vishal Bhatia

Sports Committee

Nominees

1. Vishnu Barodiya

2. Pratibha Sharma

3. Devendra Soni

4. Vikash Koundliya

5. Gurmeet Singh

Women Grievance cell

Nominees

1.Dr. Indu Gupta

2.Ms. Anupama Pande

3.Ms. Sachi Kesar

4. Numa Thapiyal

 5.Ms. Ankit Jain

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 22.8

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
34	28	27	5	20

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

Alumni Association

The student is a prime identity and the face of a college and institution. Arya Institute of Engineering and

Technology ensures the connect to its students. The success stories which a student create acts a milestone and a great source of motivation to current students and this way it becomes very much important to keep a track and connect to alumni of the college. The function of the Alumni cell is just not limited to access and track the record of the student but also to help them in their career and in career path.

The modus of this connection can be essentially through Alumni meet which college organize every year during the month of September. We have successfully completed our 5 chapters of Alumni meetings in Jaipur.

These meetings give a wonderful chance and exposure to alumni to revisit the college days and to be a part of cultural activities held during the event. Since the past two years, we have been experiencing that our students visit campus as an HR fertanity of the company they work in and introduce themselves us back as a recruiter to campus placement drive. This gives immense boost and motivation to current students to see a senior visiting its own college to hire them. Such examples are niche but very effective thus alumni keep visiting the college to deliver a guest lecture to motivate young minds in a positive direction.

The most important aspect is feedback and suggestion which comes through these meeting. How to add value in courses, what actually industry seeking in terms of employability, market trends, New technology etc to enrich the curriculum and to enhance the quality of curriculum and this helps to provide a platform wherein college keep upgrading its training agenda and prospect.

Using the social media and related platform to keep alumni updated in regard to job opportunity which keeps coming to Arya Institute of Engineering and Technology through Off-campus drives. The proactive role of Alumni cell is kept each and every student updated of all developments which college make.

T&P department of college undertakes the work related to alumni and alumni association. The major agenda is to keep all alumni updated about college developments through alumni meetings. This help in reconnecting of the student to college and college gets a real insight of Industry through their regular meetings and session to current students.

Today, alumni relations is an important part of an institution's advancement activities for many reasons: Alumni are an institution's most loyal supporters. Alumni are often in the position to engage the expertise of the institution in their professional lives.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

Response: ? 5 Lakhs

File Description	Document
Any additional information	
Alumni association audited statements	

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 15

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	3	4	2	3

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	
Report of the event	

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Criterion 6 - 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

Response:

Vision

To emerge as the Best Educational Institute and Work for Excellence in Imparting Quality Education to the students to nurture their inherent talent as Innovative Professionals in Technical & Managerial field thereby making them competitive to meet all the future Challenges of Global Economy.

Mission

To Create a Progressive Academic Environment for the Students to Achieve Quality Techno-Managerial Skills and become Innovative and Creative Professionals who can Contribute to the Development and Progress of the Society, Nation & World as a whole.

- To provide, nurture and maintain an environment of high academic excellence, standards research, and entrepreneurship for all aspiring students.
- Ensure all students prepare them to face global challenges maintaining high ethical and moral standards; by implementing quality teaching practices and processes.
- Changing the mindset of aspirant from rote learning to thoughtful learning Use of Learning Management System (LMS-MOODLE), Virtual laboratories, Self-learning laboratories, and smart classroom.
- Efforts to build the capacity of individuals in terms of technical expertise, research publications, projects of social benefit.

Quality Policy

The quality policy of institution is to provide conducive academics & excellent infrastructure support for professional & technical growth of all the students and faculty members with sustained efforts and continuous improvements to meet industry expectations.

- To strive for providing uncompromised and complete education to all students with sufficient recourses and quality teaching process.
- Arya Institute of Engineering And Technology aims to provide a safe and intellectually challenging environment that will empower students to become innovative thinkers, creative problem solvers and inspired learners.

Nature of Governance

- The college has an effective Governing Council consisting of senior academicians, industry experts.

professionals and research consultants, along with qualified management members, Principal, and Head of the Departments.

- The governing council meeting is convened twice a year and all aspects of academic and nonacademic matters are discussed and decisions are taken to benefit all the stakeholders of the system.
- The Management strictly adheres to the recommendations of its Governing Council.
- The Principal and Head of the Departments also participate in the deliberations of the Governing Council meetings.
- The decisions taken during the Governing Council meeting are properly documented, recorded and circulated to all concerned members and effectively implemented.

Major Plans for Arya Institute Engineering and Technology in the near future as envisaged in Governing Council meeting are:

- To obtain NAAC accreditation by 2019.
- To obtain renewal of NBA accreditation for all eligible Undergraduate Program in the current academic year.
- To introduce more value-added courses according to the latest trends in the industrial sector.
- To apply for funding to various agencies for research projects.
- To provide foreign language coaching to final year students by language experts/consultants.
- To establish Centers of Excellence in all engineering departments.
- To collaborate with industries for consultancy projects.

Participation of Teachers in decision making bodies

- All the Heads of the Departments conduct faculty meetings every fortnight.
- The minutes of the meetings are communicated to the Principal who in turn consolidates all the suggestions and submits them to the Management for approval.

File Description	Document
Link for Additional Information	[View Document](#)

6.1.2 The institution practices decentralization and participative management

Response:

The Institution excels in academics for over 13 years, due to the continuous review and improvement of Quality Policies and plans. The top management, Principal and Faculty members have roles in the design and implementation of the Quality policies and plans the Quality Management System (QMS). Some of the key roles are as follows:

Top Management

- Guidance in implementing the Vision, Mission and Values of the Institution.
- Formulating Long term strategic planning and direction to college development.
- Advice in introducing new programs, student intake, maintenance and expansion of infrastructure and other strategically important matters.
- Providing high quality learning opportunities to students, student welfare schemes and the required facilities and funds.
- Coordinating inter-institutional activities at the state and national level, sharing of knowledge and experiences to fulfill the Mission of the college.

Principal

- Assisting the Management in making policies and taking decisions on setting academic and administrative goals and achieving them.
- Carrying out the mission, goals and the policy of the Governing Council giving top priority for discipline and quality education.
- Making short term and long term planning and setting out the academic priorities.
- Looking after the overall administration including preparation of the annual budget and monitoring the progress and development of the college with the aim of raising the status of the institution as an institute with high potential and excellence.
- Managing and monitoring the academic activities, overall discipline, growth and development of the college and conducting University Examinations.
- Coordinating the activities with the RTU, Kota, AICTE, State Government Affiliation, Approvals, Admissions and Accreditation respectively and other allied works.
- Interacting with industries, leading institutions, research organizations etc. in the National and International level and signing of MOUs.
- Arranging for the Admission of students under Govt./Management.

.

Head of the Department

- Assisting and reporting to the Principal on all matters with respect to academics, administration,

discipline, research and students support services.

- Planning and monitoring and the syllabus coverage, internal tests, opening and closing of semesters. Coordinating the activities of the faculty members and supporting staff in the department to offer quality education to the students and to achieve the desired goals of the college by conveying regular departmental meetings. Identifying and encouraging the faculty to do research projects through various funding agencies, to carry out consultancy and to publish papers in National and International Journals with high impact factors.
- Judging the performance of each faculty in the department and submitting the assessment report to the Principal every year along with his/her self-assessment form.

Faculty

- The teaching load will be allotted by the HOD in accordance with the area of specialization of each faculty.
- In addition to the teaching, the faculty member should take additional responsibilities as assigned by HOD / principal time to time academic mentoring, organizing co-curricular or extra-curricular activities, Research and consultancy work is also mentored by HOD of respective department.
- Every Faculty member should maintain the attendance record and personal file for all students which is monitored periodically by HOD/Principal.

File Description	Document
Link for Additional Information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Strategic Plan

The institution has a unique culture of aiming high and accomplishing the same through its continuous pursuit for excellence. The Strategic plans and perspective plans are developed in consultation with various stakeholders of the institution, experts from industry and academics, Principal, Heads of the departments keeping in view the long term perspectives of the institution. These plans are reviewed from time to time to check the practicality and feasibility.

The following are the important components of the strategic plan:

- To be recognized as an institution of excellence in academics.
- To undertake research and consultancy.
- To contribute significantly towards students progression.
- To collaborate and partner with industries.

- To create unique outreach in the national and international platforms.
- To serve the society through extension and community services.
- To nurture global citizens with human values.

Perspective Plan

Based on the strategic plans, the institution has a perspective plan of development. This plan is made as per the requirements of the learners and with a view to cater to the needs of the institution and the society at large. Eight major areas are covered in the plan as mentioned below:

- Academics
- Students progression
- Administration
- Research
- Infrastructure
- Industry interface
- Institutional Excellence
- Social Responsibility

Deployment Documents

The plans articulated by the management and principal are communicated to the target groups like faculty,

students, staff and other stakeholders through meetings, mails and other forms.

The Principal's handbook serves as guideline at the institutional level to undertake these activities. The

organizational procedure manual guides all the above mentioned activities through well defined policies

and procedures for each of the activities.

Case Study

Industry Institute Interaction Cell

In order to bridge the gap between the industry and the academic institution, an Industry-Institute

Interaction cell is established.

Strategic plan/Objectives

- To promote various industrial activities for the faculty members and students like field trips,

   industrial visits and internships.

- To have a closer linkage and promote research suited to industry needs, and consultancy which

   creates a sense of ownership among faculty members.

- A sabbatical approach to link faculty with industries to explore internship option for students and to provide industry preparedness.
- To establish MOU'S and Agreements with various industrial and research organizations in

   different fields and sectors to promote various levels of interactions.

Activities under Industry-Institute Interaction Cell:

- Industrial Research & Consultancy.
- Research guidance from industry.
- Short-Term Training Programmes.
- Onsite Educational Programmes.
- Collaborative Educational Programmes.
- Industry-Institute Human Resources Exchange.
- Faculty and student exchange for knowledge sharing.
- Training programmes / Short term assignments to the faculty members in industries.
- Participation of industrial experts in curriculum design.
- Student internships and industrial visits.

File Description	Document
Any additional information	[View Document](#)
Strategic Plan and deployment documents on the website	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

 Board Of Governors:

The Board of Governors is the Principal Executive Body of ARYA Institute of Engineering & Technology-

Jaipur. It is responsible for direction and control of affairs of the institute. The structure of Governing body is stated below-

Members of Governing Body And Relation of The Members With The

Principal Owner of The Institute: -

S. No	Name	Designation	
1.	Dr. Arvind Agrawal	Chairman	
1.	AICTE RO (North Western Regional)	AICTE Representative	
1.	Director of Technical Education, Raj. Govt.	Govt. Representative	
1.	Prof. B.P. Gupta (Nominee of Raj. Tech. Univ., Kota)	Ex-Officio (Educationist)	Men
1.	Dr. Puja Agarwal	Group Director	
1.	Dr. Surendra Sharma	Director	
1.	Mr. B.L.Gupta	Social Activist	
1.	Er. Jasbir Singh	Industrial Member	
1.	CA Ravindra Shah	Chartered Accountant	
1.	Er.S.S.Shekhawat	Member Faculty	
1.	Er.Sandeep Jhamb	Member Faculty	
1.	Er.Deepak Sharma	Member Faculty	
1.	Mr. Jitendra Prajapat	Accounts Officer	
1.	Prof.(Dr.) Yogesh Bhomia	Principal	

Function and Responsibilities of the BOG:

The BOG of Arya Institute of Engg. & Technology adhers the following function and responsibilities.

- To review the smooth running of the administrative activities of the college, discussing approval of new programs.
- To review the examination results (Internal as well as External) of all programs; reasons of bad result and their improvement strategies.
- To approve the up gradation & maintenance of the Infrastructure of the Institute.
- To review the budget allocated for different purposes and their expenditure etc.
- Promotion of various faculty career advancement programs, Approval for posts, Study leaves etc.
- To review the Placement activities, Collaborations with Industry and R&D programs.
- Reviewing the Performance appraisal of faculty and discussing suggestions given by Faculty for improvements in the college.
- To provide support for conducting all kinds of activities: - Co-curricular and Extra-curricular.
- To review the awards and scholarships for students based on the performance in co-curricular and Extra-curricular activities etc.

Frequency of BOG meeting: Twice in a year

Various Important Committees are as follows:

S. No.	Name of Committee /Activity	Purpose/ Function of committee/ Activity
1.	Internal Quality assurance Cell	take care of Quality assurance strategies and processes
2.	Academic Committee	To formulate schemes for students development, training etc. For counseling of a group of students including slow learners implementing schemes for them.
3.	Career Counseling Cell	to provide learning/training opportunities in the areas of academic, career and personal/ Social development and to prepare students to meet their future challenges.
4.	Student Advisory Committee	The Student Representatives have the responsibility to students to be available to listen to student views and concerns and actively represent them in an objective and accurate manner.
5.	Discipline Committee	To maintain overall discipline in the campus
6.	Cultural Committee	Manages all the cultural events from their planning to their execution throughout the year.
7.	Library Committee	The committee looks after the up gradation of the library resources.
8.	Women Grievance cell	to make them aware of their rights, • to help them in developing decision making abilities and be self-dependent, • to help them in raising their voice against all kinds of discrimination,

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

1. **Planning and Development**
2. **Administration**
3. **Finance and Accounts**
4. **Student Admission and Support**
5. **Examination**

Response: A. All 5 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

Various committees, cells and bodies are constituted as per the norms or requirement to oversee academic and administrative operations at the institution.

1 Internal Quality assurance Cell

Institution Nominees

1. Dr. Yogesh Bhomia Principal

2. Dr. Surendra Sharma Director

3. Er. Sandeep Jhamb

4. Er. Sayar Singh Shekhawat

5. Er. Deepak Sharma

Student Nominees

1. Kamal Jeet Verma EE-IV (15EAIEE049)

2. Radhika Shara CSE II (17EAICS028)

3. Ashish Maheshwari ME-IV (15EAIME007)

4. Gaurav Tank ECE-IV (15EAIEC031)

2. Academic Committee

Institution Nominees

1. Dr. Yogesh Bhomia Principal

2. Dr. Surendra Sharma Director

3. Er. Sandeep Jhamb

4. Er. Sayar Singh Shekhawat

5. Er. Deepak Sharma

Student Nominees

1. Ambika Bihani CSE IV-(15EAICS024)

2. Praveen Tomar EE-II (17EAIEE033)

3. Lalit Saini ME-III (16EAIME045)

4. Aman Rawani ECE-III (16EAIEC007)

3. Career Counseling Cell

Institution Nominees

1. Dr.P.M.Bhardwaj

2. Ms.Sachi Kesar

3. Er.Piyush Sharma

4. Er. Sayar Singh Shekhawat

5. Er. Deepak Sharma

Student Nominees

1. Madhuram EE-II (17EAIEE037)

2. Surbhi Periwal CSE IV (15EAICS167)

3. Rahul Tailor ME-IV (15EAIME056)

4. Abhineet Kumar ECE-IV (15EAIEC002)

4. College Website Committee

Institution Nominees

1. Er.Pramod Sharma

2. Er.Pushpendra Foujdar

3. Er.Pankaj Kumar

4. Er. Anil Kumar

5. Er.Ankit Taneja

Student Nominees

1. Rahul Singh   ECE-III (16EAIEC040)

2. Vipin Kumar EE- II (15EAIEE120)

3. Aditya Ojha CSE-II (17EAICS008)

4. B Sri Swathi CSE-II (17EAICS078)

5. Discipline Committee

Institution Nominees

1.Er. Manish Dubey

2. Er. Davendra Soni

3 Er.Numa M. Thapliyal

4. Mr.Rahul Saxena

5. Er.Karan Sood

Student Nominees

1.Raj Kumar ECE-III (16EAIEC041)

2. Pawan Mehra EE- II (15EAIEE078)

3. Kunal Khatri CSE-II (17EAICS076)

4. Kartik CSE-II (17EAICS069)

6. Cultural Committee

Institution Nominees

1. Ms. Anupama Pande

2.Dr.Anupama Choudhary

3 Er. Vishnu Barodiya

4.Mr.Rahul Saxena

5. Er. Tripti Dua

Student Nominees

1.Rajan Jain   ECE-III (16EAIEC042)

2. Mubarik Khan EE- II (15EAIEE068)

3. Kamil Khan CSE-II (17EAICS067)

4. Himanshu Soni CSE-II (17EAICS062)

7. Library Committee

Institution Nominees

1.Er. Pawan Sen

2.Er. Ankit Taneja

3.Er. Prashant Singh

4.Er. Pradeep Sharma

 5.Er. Gaurav Sharma

 6.Mr. Gourav Sharma –Librarian

Student Nominees

1. Sagar Sharma EE-II (17EAIEE041)

 2. VIKAS KUMAR CSE III (15EAICS0180)

3. Vivek Yadav ME-III (16EAIME0117)

4. Abhishek Gaur ECE-III (16EAIEC002)

8. Women Grievance cell

Institution Nominees

1.Dr. Indu Gupta

2.Ms. Anupama Pande

3.Ms. Sachi Kesar

4.Er. Numa Thapiyal

 5.Ms. Ankit Jain

StudentNominees

1. Neha Jangid EE-II (17EAIEE046)

2. Ishan Raj CSE IV (15EAICS722)

3. Vivek Kumar ME-IV (15EAIME125)

4. Aditi Sharma ECE-IV (15EAIEC004)

Members of these bodies meet as per the mentioned frequency of meetings. Most of the bodies meet once in a week. Women protection cell and RTI committee meet twice a semester. Higher authorities may call for a meeting of any body at any time based on the need.

All meetings are supported by a note taker and minutes of the meeting are recorded. Every meeting will be ended by listing out actionable items and recommendations, requests for approvals and conclusions. All actionable tasks are reviewed in the next meetings for progress. Approvals are followed up and converted into actionable items.

File Description	Document
Any additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

- Free transport to non-teaching staff and at a subsidized rate for teaching faculty members.
- Paid maternity leave for women faculty.
- PF scheme for employees drawing a salary less than Rs. 15,000/- P.M.
- Sponsorship for participating in seminars/conferences and workshops.
- Sponsorship for journal publications.
- ESI coverage to all employees with a monthly salary less than Rs. 20,000/- Group Insurance.
- Relocation allowance to those who join the institute from other states/ faraway places.
- Sponsorship for Professional body membership.
- The motivation for higher studies and online courses.

- Retention allowance to senior faculty members.
- Free Cell-phone facility for all employees.
- Children education allowance to faculty and non-teaching staff.

Casual Leave:

All employees are eligible for 12 days of casual leave per year @ 1 day per month during the Academic Year from 01st July to 30th June.

Vacation Leave:

These rules govern the availing of vacation leave. The maximum duration and number of days shall be decided by the Principal/Designated Authority.

Marriage Leave Rules: -

Marriage leave may be granted to faculty members to have been employed for at least one year for one week and two weeks with paying those who here completed three years.

Maternity Leave Rules:

- A woman employee of the institution, who has completed at least one year of continuous and satisfactory service, after the completion of the probation period, is eligible for Maternity Leave (ML) for a maximum of 30 (Thirty) days, subject to prior approval of the Principal/Designated Authority.
- The decision of the Principal/Designated Authority will be final in sanctioning of ML.

Out-Station Duty (OD)

- OD will be granted when staff members are required to go out on official duties or to participate in seminars, Conferences, Workshops, etc. including paper presentation. as approved by the Principal/Designated Authority. When staff members go for examination work, OD will not be granted.
- The Principal/Designated Authority shall have the right to cancel the leave sanctioned earlier, for any emergency work in the college.

Medical Leave: -

Six leave for medical purpose are permissible in 1 academic session.

Study Leave:

Study leave may be granted to a permanent whole time teacher to pursue a special line of study or research directly related to his/her work in the University or to make a special study of the various aspects of University/ organization and method of education. The paid period of study leave should be limited to 3 years, but 2 years may be given in the first instance extendable by one more year. If there is adequate progress as reported by the research guide, care should be taken that the number of teachers given study leave, does not exceed the stipulated percentage of teachers in any department.

Reward & Award Policies

Faculty Members should attempt to publish textbooks, research papers in reputed International / Indian Journals / Conferences for that they are award with incentives.

File Description	Document
Link for Additional Information	[View Document](#)

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 4.54

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
18	9	8	8	5

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	[View Document](#)

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 2.6

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	4	2	0	1

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	[View Document](#)

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 41.74

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
166	160	76	0	38

File Description	Document
Details of teachers attending professional development programs during the last five years	[View Document](#)

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

- The institution/management evaluates teachers based on teaching, research and participation in development activities and due importance is given to all the activities.
- A structured staff evaluation form is made use of by each faculty member for this purpose wherein the faculty gives the details of his/her performance and participation in all the activities assigned

department /college.
- The self-appraisal submitted by the faculty is analyzed for the fulfillment of four criteria

Evaluation of teaching, research & development, administrative work and extension activities.

- The HOD concerned and Principal gives their remarks on the performance of the faculty member.
- Based on this performance appraisal and the feedback obtained from students and peers, the teachers are given promotion, increments, and other facilities.
- The faculty is motivated by rewarding with merit certificates, awards, and prizes.

The Staff Appraisal method has motivated the faculty to

- Pursue higher studies.
- Publish research papers in reputed journals and books.
- Participate and present papers in International and National Seminars and Conferences.
- Submit well-prepared research proposals to the funding agencies.
- Participate actively in all the development programmers.
- Apply more effective teaching methodologies during lecture deliveries.
- Faculties are motivated to work more for the betterment and 360-degree development of the students.

Outcomes of Appraisals

- As part of faculty improvement, performance reviews after appraisal procedures are done by Management and Director and appropriate measures are taken to upgrade and bring in positive changes in the institute.
- Assessments are made with respect to the outcome of goals set by faculty members in terms of teaching, research, and contribution to the institution.
- The faculty is intimated about the outcome of appraisals that identify the strength of faculty, areas requiring improvement and quality of teaching.
- Faculty who have obtained feedback below the desired points are counseled by the HOD and Principal.
- Constructive feedback is given, and if required the faculty concerned gives a demo so that areas needing improvement are identified.
- Performance reviews which are done every semester in an objective way offer scope for grading and rewarding faculty.
- Teaching Excellence Awards and Outstanding Contribution are given based on the above-mentioned parameters.
- The appraisal system helps in improving Teaching-Learning process, earmarking areas for improvement and identifying leadership qualities for future responsibilities and training needs for development of faculty and the institute.
- Cash incentives have been provided to the faculty members who achieve good results in academics and Co-curricular activities as well.

File Description	Document
Any additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Income and expenditure of the Institute are audited every month by the College Finance Committee for internal audit. The institute follows the procedure laid down by AICTE and the RTU. The committee monitors the purchase and expenses incurred from funds generated through fees and other grants. The budget takes into consideration the following.

- Maintenance and Construction of buildings, Campus development.
- The salary for teaching, non-teaching and contingency staff.
- Research and Development activities.
- Sponsoring faculty members for seminars, workshops, and conferences.
- Purchase of books and subscription of journals in the library.
- Payment of internet, electricity and telephone bills.
- Purchase of equipment and software.
- Conducting various college functions such as Shradhanjali, Fresher's party Jewels),Tech Fest, Sports Day, Annual Function (Victory), Farewell Party (Top Gun), Placement Day etc.
- Graduation Day expenses.

Every academic year, it is mandatory that all the branches of Engineering prepare for recurring and nonrecurring expenditure statements. The college in-house Finance committee examines the budget proposal, expenditure statements, monitoring and equipment purchases. The committee reviews the utilization of funds allocated to the Depts. against the proposed budgets for the financial year.

The expenditure statements are audited by the Accounts department before it is submitted to the Principal.

Tally ERP software is used for the accounts related functions in order to achieve paperless office and for reliability. The in-house Finance Committee ensures that the payments are paid and duly authorized and presents the audit report. A statutory audit is conducted at the close financial year. The audit report is sent to the Management for review.

In-house Finance committee in consultation with the CA audits the income and expenditure within the allocated/ approved budget to ensure that there are no deviations. Necessary changes are incorporated by the in-house Finance Committee on the suggestions/ directions of the auditors for the external audit.

As per the standard accounting guidelines, minor deviations are looked into for rectification during the audit.

Proper utilization of financial resources is planned at the beginning of every financial year. Accounts department takes care of the collection of tuition fees, salary distribution, tax payment

and loan distribution, purchase orders for the laboratory equipment, teaching aids, furniture, facilities, and

payment of maintenance bills.

The annual audit is done by the statutory auditor.

The audit of accounts and submission of income tax returns are being carried out regularly each year.

There are no audit objections since the institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase order etc.

Approvals are obtained at every stage of such implementation and due verification of goods and services after delivery.

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)

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

Response:

Mobilization of Funds

- Student Tuition fee is the major source of income for the institute.
- The management also provides need based loans to individual colleges.
- Various government and non-government agencies sponsor events like seminars and workshops.
- Alumni contribute to the institute by raising funds to purchase items like water coolers, wall clocks etc.
- Sponsorships are sought from individuals and corporate a for cultural events and fest.

Utilization of Funds

- A finance committee is constituted to monitor optimum utilization of funds for various recurring and non-recurring expenses

- The purchase committee seeks quotations from vendors for the purchase of equipment, computers, books etc.

- The quotations are scrutinized by the finance and purchase committee before a final decision is made based on parameters like pricing, quality and terms of service etc.

- The Principal, finance and purchase committees along with the accounts department ensure that the expenditure lies within the allotted budget. The intervention of the management is sought in case the expenditure exceeds the budget.

Resource Mobilisation Policy and Procedure

- Before the financial year begins, Principal and Heads of Departments prepare college budget.

- Institutional budget includes recurring expenses such as salary, electricity and internet charges, Equipment and facilities maintenance cost, stationery and other consumable etc.

- It includes planned expenses such as lab equipment purchases, furniture and other development Expenses.

- Budget is scrutinized and approved by the top management and Governing Council.

- Accounts department and Purchase department monitor whether expenses are exceeding budget

Provision.

- Statutory auditors are also appointed who certify the financial statements in every financial year.

- The grants received by the college are also audited by certified auditors.

Optimal utilization of resources

- Optimal deployment of infrastructure is ensured through conducting workshops/ awareness Programs/training programs for faculty and students on the use of new technology.

- Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technicians/system administrator.

- The optimal utilization is ensured through encouraging innovative teaching – learning practices.

- The available physical infrastructure is optimally utilized beyond regular college hours, to conduct remedial classes, co-curricular activities/extra-curricular activities, parent teacher meetings, Campus Recruitment Training.

- The college infrastructure is utilised as an examination centre for Government examinations/University Examinations.

- Library functions beyond the college hours for the benefit of students, faculty and alumni.

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the

quality assurance strategies and processes

Response:

The institutional policy to implement quality assurance is as follows:

- Develop, maintain and regularly update the QMS as the document of all the processes involved in the academic and administrative activities and the forms to implement the processes.

- All the departments, with the teaching and non-teaching faculty carry out the activities as per the Processes and forms.

- Various policies implemented for quality assurance are:

- Customer satisfaction by collecting feedbacks from students, parents, alumni and industry

and actions are taken to ensure that the college satisfies all its stakeholders.

- Internal Audit - Regular internal audits are conducted at planned intervals to checks the

effectiveness of the implementation, maintenance and improvement of the QMS.

- Monitoring and measurement of processes and products - Continuous measurement and

monitoring of the processes are done to identify appropriate corrective action to ensure

conformity of service.

- Control of non-conformity to prevent and be prepared for deviations and the actions to be

Taken Data analysis and continuous improvement

- External Audit

Best practices institutionalized as a result of IQAC initiatives

The Internal Quality Assurance Cell is started in the year 2015 to monitor the quality of services being provided by the institution to its stakeholders. An IQAC committee is formed and approved by the governing body to take care of quality assurance strategies and processes. Arya Institute Engineering and Technology is committed to continually improve the infrastructure, enhance the faculty competencies and empower the students for self-learning. The IQAC enables the institution to focus on this Mission and never falter from their goal. Reviewing of the quality policy is done once in every semester and there vision is placed when required by the IQAC committee. Parameters related to enhance the quality the institution like workshops, conferences, FDP's, paper publications, innovations in teaching and more are considered after the approval of IQAC Committee.

Example: Training programs to the faculty

The institution pays lot of attention to the quality of its product i.e. student. Through years of progress it has initiated and developed several activities and training programs for the faculty through IQAC. Some of the notable activities organized by IQAC for the development of the institution are English communication skills, yoga, professional behavior workshop, aptitude training, training for labs and trainings on outcome based education among many more.

File Description	Document
Link for Additional Information	[View Document](#)

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

Quality assurance of the teaching-learning process is done by IQAC.

The Internal Quality Assurance Cell (IQAC) helps in framing an action plan for the academic year by interacting with the management, faculty, administrative staff, laboratory staff, and the students.

Functions of IQAC

- Fixing the target results to be achieved for the college.
- Approval of subject allocation by the departments.
- Verification of lecture plans for their feasibility of completion at the prescribed time as per the Academic calendar.

- Conduct of class committee meetings and redressal of the issues raised.
- Conduct of course coordinators meeting/Analysis of unit tests / internal assessment tests/model Examinations/university examinations.
- Recommendation of remedial measures to HOD and faculty of the departments concerned to Improve the overall performance of the students.
- Collecting feedback (online and through class committee meetings) from the students on the Teaching effectiveness of the faculty.
- Suggesting/recommending the measures to improve the teaching effectiveness through FDPs, Workshops, conferences etc.

E-learning

- Arya Institute Of Engineering And Technology Provided the NPTEL Videos during June 2013. Faculty and Students for various online courses to upgrade their technical knowledge.
- The videos of 200 courses pertaining to various streams of Engineering, Technology, Science and Humanities are accessible to the faculty and students though college digital library.
- Faculty members utilize the videos to explain the concepts and enhance the teaching-learning Process.

ITL Methods - Promote intellectual stimulation and creative thinking and used in all the subjects across the curriculum.

- Multimedia - Power point presentations and educational videos.
- Role plays- to improve conversation skills and body language.
- Case studies- to promote problem are solving and decision-making skills by giving real-life examples.
- Group discussions- to develop problem-solving skills and inculcate team spirit.
- Debates and Seminars- conducted on the latest topics to develop thinking skills (both pros and cons) And aptitude in general awareness.
- Quiz- to recapitulate concepts and enhance knowledge in the subject.
- MCQ tests- to prepare students for the midterm exams.
- E-resources- Ebooks and MIT online courseware and other open sources are used.
- ITL methods help in improving communication skills, knowledge sharing, personality development, and employability skills.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 3.2

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	4	4	4	1

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	[View Document](#)

6.5.4 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**
3. **Participation in NIRF**
4. **ISO Certification**
5. **NBA or any other quality audit**

Response: B. Any 3 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	[View Document](#)

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

- The pass percentage of students has increased marginally over the last five years. This has resulted from various measures implemented by the institute. Access to e-learning resources like NPTEL, Del-Net interactive teaching learning methods used by the faculty members and students for promoting collaborative learning, have contributed to the enhancement of results. Remedial lectures are taken for weak students to bring them at par with the other students.
- Student placements are considerably good over the last five years and show a sustained increment despite a sluggish recruitment scenario. Though the increase is small, off campus efforts are paying off well. Training & Placement cell at Arya Institute Of Engineering And Technology organizes placement training sessions for the students to help them develop an all-round personality. Extra classes is given in aptitude, soft skills, core subject areas and numerical ability etc. to improve the employability quotient. Sessions by HR managers, industry experts and alumni are conducted to orient students towards industry, government jobs and higher education. Entrepreneurship efforts are fruitful as some students established start ups.
- As part of the Corporate Social Responsibility, the NSS unit of ARYA INSTITUTE OF ENGINEERING AND TECHNOLOGY has conducted many activities like Blood donation camp,

Swach Bharath, AIDS Awareness, medical camps, helmet awareness etc AIET is a active partner with Barclays for CSR activities. Socially relevant projects are taken up by the students in the Final year to solve problems in the community.

- Green initiatives are promoted on a large scale on college campus. The conventional light bulbs and tubes are replaced by LED bulbs and tube lights to reduce the electricity consumption in a phased manner. Canteen waste is converted into compost and is used for gardening. Waste paper generated is sold to vendor for recycling. Roof top Rain water harvesting structures are installed. Roof top Solar power plant has been installed which is delivering electricity to bear the institutional load requirement upto 70kw. We are aiming to be plastic free and paper free campus. Green landscaping is maintained throughout the year. To spread the awareness of environmental conservation and promote greenery, institute follows the culture of presenting saplings (instead of bouquets) to guests and esteemed visitors.

- Arya Institute of Engineering And Technology has signed Memorandum of Understanding (MOUs) with many leading industries as well as research institutes/ Universities of repute like MILLIONMINDS, Global Talent Track Pvt. Ltd, Jk Lakshmipat University, Kamtech Associates Pvt. Ltd, Infosys Campus Connect, Suresh Gyan Vihar University, First Naukari.Com, Dekho Network Pvt. Ltd.etc.

- The subscription of journals recommended by UGC and AICTE are available in our library. Digital Library provides access to open education resources, on-line journals. National Digital Library membership is also available to access journals and books.

- Arya Institute of Engineering And Technology encourages faculty members to take part in Faculty Development Programmes conducted at the institute as well as in other organizations by providing on duty leave and sponsorship of registrations fee.

- Regular feedbacks were taken in the past from students and shared with teachers to improve the curriculum transaction. Since the formation of Internal Quality Assurance Committee in 2013- till date

- Feedback system has been formalized and structured. Students, parents and alumni feedback is collected on curriculum and infrastructure.

- In view of the academic feedbacks from all stakeholders the curriculum was revised for CBCS and contemporary concepts were incorporated. Feedback from institutions where students go for internships has helped to equip students with the skill sets required by prospective employers. Student visibility has increased in the development sector and industries.

- As an outcome of the Students' feedback regarding infrastructure, mapping of college facilities has been initiated and washrooms have been renovated.

- Documentation has helped to map lacunae and revisit policies. Although placements were done at a professional level, however, a need was felt to promote placements at the undergraduate level. Most undergraduate students (nearly two-thirds) aspire to go in for higher studies and are absorbed into the postgraduate courses. It is now the endeavour of IQAC to address the requirement of the remaining one-third who don't make it to any postgraduate program.

- Dissemination of salient findings on quality parameters and feedbacks in a General Body meeting

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 13

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	2	4	2

File Description	Document
Report of the event	[View Document](#)
List of gender equity promotion programs organized by the institution	[View Document](#)

7.1.2

1.Institution shows gender sensitivity in providing facilities such as:
  1. **Safety and Security**
  2. **Counselling**
  3. **Common Room**

Response:

The institution gives utmost importance to gender equality and takes several initiatives in the direction to ensure it.

Some of the measures are described below:

1. **Safety and Security:**

- Biometric attendance in girl's hostel is mandatory for all students and other hostel staff members.
- A separate ID card for day scholars and hostellers and for the students who avail bus facility.
- The list of hostellers has been displayed on notice boards of hostels and various places.
- Biometric attendance during lunch breaks is mandatory for all the students.
- Female guards are also available at girls hostel for 24 hours all seven days for security purpose.
- Round the Clock Guards and Gun Man with bouncers are available in college campus for controlling any crucial condition.
- Identity cards are also provided for all the employers of the college.

- Compulsory uniform for all the employers and students.
- Proper entry registers for all the vehicle and visitors.
- The entire campus is under surveillance of more than 150 Close Circuit Cameras with the display available at seven places.
- For the purpose, 24-hour security from external entities is provided in the campus through security guards.
- A college identity card is provided to every student at the time of admission and security guard at entrance gates of the campus ensures that only legitimate student should enter into the campus by checking identity card and the student properly.
- Improving student profile through inclusive practices towards gender and social sensitization by organizing meetings, seminars, workshops and social events providing a platform of equal opportunity and co-existence.
- Orientation program for fresh graduates and introduces them to the new higher education environment and helps them to cope up from school life to a life of responsible adulthood.
- Infrastructure that is reflective of gender-specific needs and creation of private spaces for faculty, students, and other staff to meet their needs.
- All the college buses have male/female faculty in-charges to look after the discipline in the bus.
- 24 hours Ambulance facility is provided to faculty, students and staff members in case of emergency.
- Self-defense workshops are organized for girls.
- Women Grievance cell organizes various awareness programs for woman safety and security. Any girl student or female faculty and staff member can register their complaint with/without a name to the woman grievance cell without any pressure. The cell then constitutes a committee to investigate the matter and ensure that the complaint is resolved up to the satisfaction level of the complainant.
- Leaves to the girl students are granted by the Mentor after concerning with their parents. The student also makes an entry in the register available in the guard room before leaving the campus.
- Information regarding the availability of support systems with respect to various gender equality issues is prominently displayed on all the notice boards and prominent places in the campus for easy access to students.

1. **Counseling:**

- Women empowerment cell promotes women emancipation through capacity and confidence-building programs.
- The cell also assists women in their struggle for economic, social, cultural, political and mental Empowerment.
- For every ten students, one faculty mentor is assigned to counsel, motivate students to perform well in their academics and placements.
- Awareness programs are conducted to all the students regarding various rights of women.
- The institution has a primary health center with a professional counselor who conducts health awareness programs for students.
- Regular counseling is being done under tutorial classrooms for individuals.
- Special counseling sessions are conducted by experts from various fields to give the exposure counselors

1. **Common Room:**

- The institution provides separate common room for girls with the following facilities:

1. Cots, beds, and mattresses
2. Chairs
3. Toilets
4. Newspapers
5. Magazines
6. Notice boards
7. Few Indoor games
8. Sanitary Nankeen Vending machine

- Caretakers are appointed to the common rooms to cater to the small needs of the students.

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 100

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 73000

7.1.3.2 Total annual power requirement (in KWH)

Response: 73000

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	[View Document](#)
Any additional information	[View Document](#)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 50.41

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 1840

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 3650

File Description	Document
Details of lighting power requirements met through LED bulbs	[View Document](#)

7.1.5 Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

    1.**Solid Waste Management:**

- The solid waste from the dustbins is collected every day and is segregated into paper, plastic, metal, sanitary, wood, etc. at one place and are packed separately.
- We produce our own manure by vermin composting. "Waste management" helping optimum utilization of kitchen waste and garden waste. The plant is being regularly utilized garden waste into compost.

Solid Waste Management System at AIET campus

- We have designed our own waste management project basically for the kitchen waste on a regular basis by using a new and versatile method which is different from the conventional one. The balloon used in this method is very much durable and can be used for a very long term of time. The pressure valve of the setup can also be adjusted to a very wide range of values and also the fuel generated from the setup or basically, the quality of the flame generated is also quite appreciable. The gas filters used in this process separates the methane gas from the rest gases of the gases by the process of gas methanification. The quality of gas obtained is also quite appreciable and also it is a type of clean fuel which is fumes free. The composition of the waste consists of approximately 50% of solid waste and 50% liquid. The waste which on slow degradation causes the formation of the gas consists of 78% of methane 21% of carbon dioxide and 1% of other gases. The input supply of the system consists of an opening through a pipe which is situated 24 inches above the ground level. The output supply, in the same way, is situated 36 inches above the ground level. The pressure range varies according to the amount of product available and also the number of days under which the waste is been treated according to the number of enzymes provided. Thus, all in all, it can be said that the green box is very much beneficiary and is also of very great use and is also pollution free and does not cause any harm to the environment.

Plant Description

- The Green Box Portable Assembly Domestic Biogas Plant which is a unique DIY (Do It Yourself) Kit based Biogas system. This system is one of its kinds in India as it allows easy and convenient transport using traditional cardboard boxes. Being surface mounted, it does not need any construction or excavation and can easily be installed by an individual using detailed instructions. Green Box aims to treat bio-degradable kitchen waste locally at the source.

Components of Green Box

1. Greenhouse frame box for housing biogas digester and gas holder
2. Biogas membrane digester
3. Food crushing plant - Depending on a plant model
4. Biogas scrubbing filters - All models
5. Biogas burner - Available as an accessory
6. Biogas booster pump - All models

Project Specification:

1. Plant capacity: 5cum
2. Biogas Digester: polymer
3. Waste input per day: 40 kg+ 35-liter water
4. Output: 1.2 kg per day

- To build awareness regarding waste management AIET has taken the initiative to install the various signboard in the campus, which is used to increase understanding of recycling in AIET Campus. The scheme of recycling across the AIET can be enhanced and strengthened with educational signage and the use of positive messages to increase the understanding of why recycling is necessary and which items found prevalently on campus are recyclable.
- In order to reduce waste at AIET, recycling efforts must be improved and organic recycling services must be provided. Additionally, students, faculty, and staff must be properly educated on proper waste management practices. The constant production of new products and packaging means knowledge of recyclable and compostable materials has become a complex and confusing topic for many people. In a society that values convenience, the current "throwaway" lifestyle encourages a linear approach to the production and disposal of products, rather than a circular approach that regards waste as simply another resource.
- College students, staff, and faculty often lead busy lives and value convenience; as they go about their day rushing between activities and classes, the purchase of single-use products is often the most convenient choice. The consequence of this convenience comes in the form of high quantities of waste.

1. **Liquid waste:**

- Sewage disposal system is available in all buildings for disposing liquid waste.
- All wastages are connected to the local development authority pipelines which are further treated in their STP plants.

1. **E-waste:**

- Lamps and bulbs are disposed of after removing mercury filaments.
- The batteries are discharged and terminals are tapped before disposal.
- All the e-waste collected on campus is kept in containers and labeled before disposal.
- To reduce the use of CDs and DVDs, students and faculty members are encouraged to use emails for all official purposes.

File Description	Document
Any additional information	[View Document](#)

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

There is great demand for water in an engineering college for laboratories for use in experiments, drinking facilities, cleaning purposes, for horticulture purpose etc. Well, and Ponds are the two major sources of water. Water is used for drinking purposes, canteen, toilets, laboratory, and gardening. The institute ensures that the water wastage is minimized at an optimal level and the leaky taps and pipes are under regular check and hence no loss of water is observed, neither by any leakages nor by overflow from overhead tanks. On an average, the total use of water in the college is around 20,000 L/day on an average, which includes 5,000 L/day for domestic purposes, 10,000 L/day for gardening and 5,000 L/day for different laboratories. The college has implemented rainwater harvesting (RWH) within its campus for storing and reuse and it has reduced its dependence on water tankers, saving lakhs of rupees every year. Gardens are watered using drip/sprinkler irrigation system to save water.

Arya Institute of Engineering & Technology is located in Jaipur, Rajasthan under dark zone. AIET management has taken initiative to conserve the rainwater. There are three plants of rainwater harvesting are installed in our college campus each of 300 feet depth. In which two of these is used to refill and one is to raise the water level of the ground. All the rainwater drainage system of campus is well connected to these plants through PVC pipes. The refilled water is used for the gardening purpose. These three plants are grounded so that there is an improvement in the level of groundwater, which helpfull for society and the upcoming generation.

Water is essential for life so be must conserve it, we must do rainwater harvesting. Rainwater harvesting is the accumulation and storage of rainwater for on site. Rainwater can be collected from rivers on roofs and in many places, the water collected is redirected to a deep pit collected form dew or fog with nets or other tools. It included water for gardens, livestock, irrigation domestic use with proper treatment etc the harvested water can also be used as drinking water, long term storage and for other purposes such as groundwater recharge.

Rain Water Harvesting is used in:

Agriculture: to enhance irrigation in an arid environment ridges of soil are consulates to trap and prevent rainwater from running down hills and slopes.

Domestic use: Rainwater harvesting is used to provide drinking water, domestic water, water for livestock, water for small irrigation and a way to replenish groundwater levels.

Rainwater harvesting was promoted by the government in 1980 in 1990 after government funding for collection tanks run out the private section stopped in and provided several million tanks to the private household.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

7.1.7 Green Practices
- **Students, staff using**
a) **Bicycles**
b) **Public Transport**
c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Our campus is eco-friendly, where we promote a green and clean environment for thousands of students who are spending 6-8 hours every day in the campus.

1. **Students and staff members are using bicycles, public transport, pedestrian-friendly roads, and power down**

- The institute is a Green campus, Plush, Serene, with Landscaping. The students and faculty members are encouraged to plant more trees and making the campus garbage and plastic free zone.
- Swachh Bharat Abhiyan Club at our college takes care of maintaining the campus clean and green.
- The Illumination and Ventilation in classrooms are adequate considering natural light and air velocity present.

- Many students and staff members of the college are using the college transportation provided from various key locations in the city thereby reducing the use of personal vehicles, it helps in reduction of fuel consumption, saving the natural resources of the .country
- Students and staff members residing in the nearby areas commute to the college by walk.
- The college is located on the main road due to which many students commute to the campus using public transportation.
- Students have a practice that if their appliances are not in use or they are leaving the room, they use to turn off lights and other equipment.
- Use of LED & CFLs bulbs instead of using conventional bulbs and lights for energy saving, ultimately saving natural resources.
- To harness the potential of renewable energy, our college has set up solar panels for electricity loads, water heating and in the college hostel and solar lights to light up the campus all through the night.

II. Plastic-free campus

- Use of plastic items is banned on campus and is prominently displayed on all notice boards and corridors.
- The college discourages the use of plastic by conducting awareness programs to staff and students.
- The college also organizes a campaign in nearby areas to make aware the hazards of using plastic items by awareness rally, nukkad Natak, posters etc.
- Adopt reusable bag practice to reduce the harmful impact on the environment.
- Nix bottled water- Reuse old water bottles or purchase water bottles that can be refilled instead of tossing out a new bottle every time.

III. Paperless office

- The institution encourages the use of emails and mobile applications for sharing notices, circulars and other important documents for communicating with staff and students
- Phone calls and SMS messages are used to communicate the performance of students to their parents
- The Accounts department uses Tally ERP software for all the functions in order to aim for a paperless office.
- Students take notes, assignments and other study material from the college website. Students are conscious not to waste paper. They are judicious in using paper. They take the effort to recycle paper and promote recycled paper. Students of all streams are part of the recycling project.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.35

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
4	3.5	3.4	2.25	3.0

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	[View Document](#)

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift

3. **Ramp / Rails**
4. **Braille Software/facilities**
5. **Rest Rooms**
6. **Scribes for examination**
7. **Special skill development for differently abled students**
8. **Any other similar facility (Specify)**

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 9

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	1	1	2

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 8

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	1	1	1	1

File Description	Document
Report of the event	
Any additional information	

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
Any additional information	
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	
Provide URL of website that displays core values	

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	
Any additional information	

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	<u>View Document</u>
Provide link to Courses on Human Values and professional ethics on Institutional website	<u>View Document</u>

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 9

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	1	3	2

File Description	Document
List of activities conducted for promotion of universal values	<u>View Document</u>
Any additional information	<u>View Document</u>

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Arya Institute of Engineering & Technology celebrates with great fervor the national festivals, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Sardar Vallabhbhai Patel, Pandit Jawahar Lal Nehru, Dr. Bhimrao Ambedkar, Sarvepalli Radhakrishnan, Bhagat Singh, Lal Bahadur Shastri. Various national festivals like Independence Day, Republic Day and Gandhi Jayanti are also celebrated with great enthusiasm.

- National Youth Day is celebrated on 12th Jan every year to pay tribute to great nationalist Swami

Vivekananda on his birth anniversary.

- On 23 January, the birth anniversary of great patriotic Subhash Chandra Bose is celebrated in the campus. On the theme "Tum Mujhe Khoon do, me the aajadi dunga" a blood donation camp is organized with the help of different social & youth organizations to make aware the students about the importance of human blood and to help the needy patient.

- 26th January is known as Republic Day which is celebrated by the people of India every year with great joy and enthusiasm. It is celebrated to honor the importance of being the Sovereign Democratic Republic which was declared after the enforcement of the Constitution of India in 1950 on 26th of January. Arya Institute of Engineering and Technology celebrates the festival of justice, equality, liberty and fraternity by Flag Hosting in the campus. Students, Faculty and Staff members perform cultural programs on a patriotic theme.

- Independence Day in our campus is celebrated every year on 15th of August when people remember the long event of independence of our Nation from the British rule. India got independence on August 15th in 1947 after lots of movement of Independence during which many freedom fighters sacrificed their lives. Students, teachers, parents, and peoples from the nearby area come together to celebrate Independence Day by unfurling the National Flag and singing National Anthem. Out tricolor National Flag is also hosted by the Principal in the campus. After that, the salute is given by Security guards. The tricolor of our Flag represents saffron for courage and sacrifice, white for peace and truth and green for faith and chivalry. Students, Faculty and Staff members perform cultural programs on a patriotic theme.

- The Engineering Community across India celebrates Engineers Day on 15 September every year as a tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya. In the campus a science exhibition is organized in which students showcase their projects and explain the utility of their projects to the audience and judges, best projects are selected by the judges and rewarded accordingly. A Paper presentation activity is also organized on the campus in which student and faculty members present their papers about recent technological advancements.

- NSS Day is celebrated on 24th September every year, in which the various events were organized in the college comprising of the poster making completion followed by the cleanliness drive in the entire college campus along with a street play competition organized by the NSS Society.

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Academic Transparency: The Management of AIET ensures transparency by involving stakeholders at all levels in the institute's management system development, implementation of plans and strategies and continuous improvement. Academies policy includes academic calendar, load distribution, time-table, portfolio allotment, continuous assessment scheme, academic monitory committee, and annual report is maintained and shared with stakeholders during the annual day celebration. It provides the required support for policy-making and planning through need analysis, research inputs and consultation with stakeholders. The Management takes feedback from the stakeholders like parents, students, alumni, employers, industry,

and faculty and analyses it. The Management provides an interface through parent-teacher meetings which are conducted periodically not just to intimate the performance of students to parents, but also to get their valuable feedback regarding the functioning of the institute. Student committee meetings are conducted to pulse their needs and grievances and alumni meet for fostering a healthy environment and recording suggestions. The Management conducts brainstorming sessions with senior faculty and Think-Tanks of the institute that go a long way in identifying lacunae, solving issues and ensuring progress.

Financial Transparency: AIET Management with proper financial planning to allocates the financial budget for all departments every year. All Departmental HOD's play a pivotal role in financial planning such as purchases, budgeting and allocation of funds of respective department. The Heads have the autonomy to set up departmental objectives and plans, and also to monitor their effective implementation. All departments follow the procedure as recommended by purchase department through proper channel and necessary approvals. They conduct periodical review to excess the financial issues such as departmental budget file, requirement file, accounts file and stock registers for the departmental records.

Administrative Transparency: Administrative policy includes management in direction with faculty or concern people for implementing each policy decisions for example: FDP, Seminars, Annual gathering and activities based on social upliftment and development. This is done in synchronize with HR manuals which are available with department. The most impartment aspect of decentralization is implemented by higher management to ensure the exercise of authorities at every level. Every department ensures the formation of student association for better flow of information.

Students too play an active role in the administrative aspects of the institute in roles such as Class Representatives, Committee Coordinators and members of clubs. They organize programs and take initiatives in social causes. Student Activity Committee (SAC) organizes programs, motivates students and ensures optimal participation of students in all activities. Transparency is extended to students through meetings with Principal/HOD and their feedback is taken into consideration for the development of the institute.

Auxiliary Functions Transparency: Auxiliary functions are required and essential for students assistants like canteen, food zone, reprography, laundry and stationary canteen which are available in campus premises. College higher authority instructs the canteen and various outsourced outlets to maintain subsides and reasonable prize of commodities and should be displaced recent rates list for transparency.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Training and placement cell of college is the most active and self-motivated department of an institution. The institute devoted to imbibing skill development among the students to enhance the employability & entrepreneurship initiatives. The technological changes in the outside world trigger the need to match the pace of engineering education. The institute sensitizes the thrust area in new

technologies which is fast developing globally. A pivotal link between industry and institute, knowledge demand and talent supply is actively looked after by T&P Cell. Having a record of placing more than 500 plus students every year with the induction of more than 50 on campus placement drives gives ample opportunities to students for their development and placements.

Engineering has always been an important driving force behind the technological innovations that metamorphose a country towards development, growth, and prosperity. Reformation and restructuring of the engineering education system became inevitable due to transformations brought by technological innovations globally. It became imperative to augment knowledge, amalgamate skills and values & integrate technology to stay competitive in the era of Globalization and Liberalization which propelled advancement in technology,

management and social framework.

Core Objective-

- To assist students to develop/clarify their academic and career interests, and their short and long-term goals through individual counseling and group sessions-Regular sessions to make students aware of recent changes in the job market. What skill set is needed and which area will be suitable for an individual candidate for choosing a career option.
- Coordinating with companies to learn about their requirements and recruitment procedures-Placements are the result of research and communication which placement cell maintains with a company to understand the requirements which they are seeking to hire an individual. Upgradation in training and training modules is only possible through these procedures.

- To act as a link between students, alumni, and the employment community- Alumni are proven to be a great source for college. Giving direct and correct insight about the industry and recent skillset are done through alumni meets wherein alumni meet college students and make them aware of new trends in technology and industries.

Conduction of Online Tests & Assignments at knowledge level, Group discussions, Seminars, Quiz at comprehension level and Case studies, Projects, Computer Programming at the analytical level. Exams are structured with unit tests and Term exams. Pre-final Theory and Practical exams are held to prepare them for the University exams. Best notes of all subjects made by our faculty are provided to the students before the commencement of each unit.

Keeping in view the industry requirements, the training curriculum is designed for preparing the students for entry-level Graduate Engineer Trainees.

- Personality Development
- Communication Skills & Vocabulary
- Resume Preparation& Email Writing
- Group Discussion
- Interview Skills
- Aptitude Training & Practice Tests

We assess the students' strength and weakness in academics and aptitude and address their needs through various Bridge courses, Certificate courses, Modules on Personality Development, Courses on Life Skills, Courses on Technical Competencies and Counseling courses etc, We use information technology and internet and other visual aids in our teaching methods. We are running various certification courses like AUTOCAD, Stadd, Embedded Systems, PLC, Microsoft Technologies Dot Net, for larger benefits of the students.

Career Guidance

- Highlighting articles on departmental notice boards regarding Competitive & Industrial Career Opportunities.
- To inform students about the available job opportunities in government sectors and off campus drives.
- To establish an effective corporate relationship with the industry and to understand the talent need and demands.
- To organize an effective CRT program with third-party vendors for training in soft skills, technical skill to 2nd/3rd/4th-year students.
- Arranging Motivational Talks.
- Conducting a Psychometric test for centric valuation.
- Conduct expectation management workshops.

The college has produced excellent results in RTU examinations. A large number of students has excelled in cultural and sports activities and they have also been punctual in attending the classes. All these qualities of the students shall be evident from today's prize distribution ceremony which shall follow.

In efforts towards academic excellence and growth, we have initiated actions to bridge the gap between the institution and industry. To enhance the employability skills of the students, we at the college are running SDC cell, and CRT programme catering to different needs of the students over a period of 4 years. The Campus Recruitment programme gets inducted into regular academics from the 2nd year of engineering and continuous till student get successful employment in final year placements. These training are bifurcated into two areas i.e Technical and Aptitude. Technical training cover areas like JAVA, .net, MATLAB, CATIA and as per the demand of companies visit colleges for placement. Aptitude training covers Analytical, Reasoning, General Aptitude, and necessary skills.

This activity focuses on personality development to make the students reliable, with a positive attitude and right decision making.

- Guiding for preparation.
- Arranging mock Interviews.
- Conducting weekly Aptitude tests
- Communicating with Alumni for available openings.
- Communicating with industry for campus interviews.

2.   The best Robotics lab in college that is beyond the syllabus

Arya Institute of Engineering & Technology also set a robotics lab in institute campus. It is important for all branches like

·   "The Body" - Mechanical Engineering - This branch of engineering looks at the physical systems which make up a robot. Subtopics like mechanics, materials engineering and manufacturing are core to industrial robotics. Often mechanical engineering courses will have specialization in mechatronics or robotics but will be focused more on physical design and actuation.

·   "The Nervous System" - Electrical and Electronic Engineering - This branch of engineering gives a basis in electronics, embedded systems, low-level programming, and control theory. Often electrical engineering courses will also provide specializations in robotics or automation, which will be centered on the control of robots rather than the mechanical design.

·   "The Brain" - Computer Science - A lot of people in research seem to enter robotics through computer science. This trend is likely to continue as standard robotic hardware platforms become the norm. Common platforms remove the research focus from the physical hardware and instead concentrate on software and high-level programming. Often these courses will include robotic programming topics such as Artificial Intelligence and Software Design. It is usually at this level of study where people with a background in psychology and related fields can enter robotics with a postgraduate Masters course.

Placements are considered to be the area where all efforts made by college and students reap results. We have succeeded in placing students till now in companies like Capgemini, Trigent, IBM, Wipro Technologies, Ashok Leyland, Tech Mahindra, ZYCUS, Pinnacle, Genus Power and Infrastructure, AU Bank, Collabera Technologies, Arabol Lubricants, Dhristi Soft, Asahi Glasses, Mphasis, CURA etc. and served 45 On-campus Placement drives for our students. We have been successful in providing job opportunities from every sector that employ engineers in India. Arya Group of Colleges provided the highest selection to Capgemini.

Successfully organized Industry Conclave and attended many such events to ensure better opportunities for students in near future. Arya Group of Colleges have notably entered in many MOUs to scale up the industry reach of Arya Group. Understanding the demand of local industries in providing jobs and training, One-day Industry Institute conclave had been organized. Many companies were invited and HR personnel of such industries and companies interacted with students and college management. This made us upgrade and map the training programme in such a way so the students can get better final placements.

Arya Group of Colleges became 1st college who entered into MOU with Bharat Skill Development University on 23rd Jan 2018, Genus Power and Infrastructure and Employers Association of Rajasthan with the aim to provide skill & training to enhance the employment of our students. I am happy to share that more than 100 students are now successfully getting trained in BSDU-Jaipur. Arya Group of Colleges signed an MOU with Kamtech Associates on 31st Jan 2018 Pvt Ltd & Bhardwaj Foundation for skill development, Job oriented Training, Academic-Industry Interface, Placements, R&D related services.

Creating new avenues with the encouragement of Entrepreneurship skill and mindset, various talks by young entrepreneurs were organized in college. In the Student Entrepreneurship Programme organized by Govt of Rajasthan, students visited Silicon Valley, USA and visited companies like Google, Yahoo, HP etc and gathered a lot of exposure from there. All these activities resulted in developing three new startups by students which are now in a position to generate revenue. Arya Group of Colleges feels proud to share

that 5 of its Faculty Members were Recognised as "Gold and Silver Partner Faculty" under Infosys Campus Connect Inspire Event 2017-18. The event was held at #Infosys Ltd, Chandigarh. This programme helps us with training faculties in new technologies. Recently faculties trained on cloud computing and HADOOP.

Arya Group of Colleges got selected for the UNIDO Internship Programme supported by Ministry of Commerce, Govt. of India, which provides great opportunity to receive job training with challenging assignments and put the theoretical knowledge to practice. The programme also allows the student to gain insight into how attempts are made to solve problems confronting developing economies in the area of industrialization. Upon successful completion, students will get the certificate from UNIDO and chance to visit UNIDO Head Quater at Geneva, EU. The Institute organizes various programmes to improve soft skills, professional communication and personality through career counseling by professional agencies/experts. Students are also assisted in preparing professional resumes by conducting resume writing workshops. Management development programs are conducted by experts. The Career Development Centre also assists the departments in organizing Industry oriented workshops, leadership talks, lectures, competitions, Curriculum Oriented Career Prospects (COCP) Workshops including specialized niche areas.

File Description	Document
Link for Additional Information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The vision of Arya Institute of Engineering & Technology is to be a center of higher learning that can provide the best learning experience, the most productive learning community, and the most creative learning environment in engineering education and to be recognized as one of the best engineering colleges in India.

To accomplish the vision and translate it into reality, the institution has been using the best teaching-learning methodologies over the years and gives utmost importance to quality teaching. The motto of the institution is "Learning beyond the classroom" and has been conducting various activities such as Guest Lectures, Seminars, Industrial Visits, etc. apart from classroom teaching to make learning more interesting.

Arya Institute of Engineering and Technology, Jaipur is a Pioneer in the field of Research & Development (R&D). We have established ourselves as the First MSME Centre of Excellence in Rajasthan and First MSME Incubation Centre in Rajasthan. Also, we are the First Start-up, Incubation and Innovation Centre of Rajasthan Technical University (RTU), Kota, which is also the first of its kind in Rajasthan.

All this has been possible because of our ultra-modern infrastructure, good academic and the zeal of nurturing the innovative minds of the students. We have created an infrastructure with Advanced High-TechLabs and industrial grade machinery &equipment's, which can manufacture an array of products, in-house at the campus. We have State of the Art machines like Surface Mount Technology (SMT), Laser cutter, Computer numerical control (CNC) folding and cutting machines, Vacuum forming machine, dip soldering machine.

We also have Automatic SMT machine, used in the manufacturing of PCB, where everything is fully automatic. From the initial pasting process to the final product, SMT machines do not need human intervention. Similarly, we have Laser Cutting Machines which can cut acrylic, metal, wood etc with high precision, so that we can do the manufacturing & fabrication at our campus itself. We do have a number of 3D printers, industrial as well as medium scale, through which we can 3D Print any shape or figure for prototyping or other purposes. Currently, we are manufacturing Humanoids, Quadcopters, Drones, Robots of various purpose like restaurant serving, programming.

This modern, advanced, innovative and state of the art laboratory is not available in too many colleges and the ones which are available are not associated with any incubation or innovation center or MSME. Our students are using this facility to innovate new products, services and are creating their own IP's and are looking for patenting their products in the near future.

The mission of empowering women: Our mission has firmly stood the test of time and the college has worked towards empowering the women force, in particular for national development. The college education aims towards capacity building for entrepreneurship, improved health and quality of life and communication for desirable behavior change. The college faculty and students have responsibly engaged with people and communities, fulfilling its role in making knowledge and information accessible to people. These experiences enrich education, research and curriculum development and expand the quality of academic work across specializations. The students receive the benefits of knowledge from advanced research activities even in the undergraduate classes.

In the academic year 2015-16, AIET has come up with another innovative method of teaching-learning named as ITL (Interactive Teaching Learning) methodology to inculcate high motivation, communication skills, knowledge sharing, team spirit, freedom of expression and employability skills in students. Through this methodology, the classrooms are made more interactive, fun, and interesting to the students, as the concepts in the curriculum are taught using various methods.

Arya College has always synchronized technology with learning in order to provide the best learning technologies. The technological thrust brings more innovation and innovative approach to teaching and learning process. The use of audio-visual systems and projectors in the classroom enhances the bandwidth of knowledge given by a teacher. Creativity is an essential and important concept which cannot be ignored at any stage. This holistic approach brings efficacy and deliverability in a student and so on learning outcomes.

Our Startup, 'iRoboLabs' has been awarded as one of the best start-ups by the former CM of Rajasthan Smt. Vasundhara Raje Ji, at the MSME Conclave in January 2018. Now we are the phase of starting new ventures and helping our students to become entrepreneurs with the help of these R&D Labs. These labs are always open to all the students of the college, irrespective of their engineering department. Whatever project or idea they are willing to nurture or incubate, they can enroll in the lab and we are be providing them the infrastructure, machinery and mentoring from the college management, our expert R&D team and

from the industry experts. The ultimate objective of creating this ecosystem is not only to make the student's providers rather than job seekers.

Another objective of this R&D lab is to provide exposure of the new and advanced technologies, to the secondary and higher secondary school students, that the modern world is working on and of which they are not aware of. Once their inner scientist/engineer, gets a taste of the wonders of engineering, the sky is the limit for them. When these students take admission in any engineering college, they already have the basic or intermediate knowledge of latest technologies and methodologies. Now they are able to work on more advanced technologies in the engineering curriculum and does not need waste time learning the basics.

This is a kind of CSR activity that Arya Institute of Engineering and Technology is doing from the past few years with the objective of making our nation, a leading Nation in terms of technological advancements and parallel making it a manufacturing hub.

File Description	Document
Link for Additional Information	[View Document](#)

5. CONCLUSION

Additional Information :

- Strict adherence to the curriculum and completion of syllabus on time in accordance with RTU guidelines and academic calendar.
- Efficient teamwork in achieving vision and mission of the college.
- Qualified and dedicated faculty members promoting research and innovation and encouraging student excellence.
- Good reputation and brand name as one of the top ten Engineering colleges as acclaimed by all its stakeholders.
    - Remarkable Extension activities conducted by NSS, Street cause and Nature club Best transportation facilities with buses plying to all parts of the city.
    - Accessible college campus in close proximity to the city Effective internal communication through CUG mobiles and emails
    - Active Support systems in the form of various committees, clubs and cells Student friendly atmosphere providing accessibility to faculty and management
    - Finest student discipline monitored through disciplinary committee and Physical Director. Excellent teaching learning practices, using innovative methods
    - Faculty sponsorships for workshops, conferences, seminars and publications to promote research activities
    - Ragging-free campus with display of posters, banners and continuously monitored by vigilance squad Continuous parent teacher interaction by conducting regular
    - Well-equipped Digital Library with access to printed books, E-books Journals, E-journals, rare books, manuscripts and online resources.
    - Democratic governance through decentralization of responsibilities and delegation of duties Dynamic and visionary leadership of the Secretary, Principal and Management Promoting E-learning through NPTEL and NDL online sources
    - Diverse faculty beneficiary schemes like EPF, ESI, relocation expenses, transport and mobile phone allowance, sponsorship for publications and conferences. Involvment of students and staff in Community service activities

Concluding Remarks :

- Strict adherence to the curriculum and completion of syllabus on time in accordance with RTU guidelines and academic calendar.
- Efficient teamwork in achieving vision and mission of the college.
- Qualified and dedicated faculty members promoting research and innovation and encouraging student excellence.
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6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.3	Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years 1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>12</td><td>11</td><td>10</td><td>8</td><td>2</td></tr></table> Answer After DVV Verification : <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>5</td><td>2</td><td>4</td><td>2</td><td>2</td></tr></table> Remark : DVV has made the changes as per provided Number of teachers participating in various bodies of the Institution by HEI.
1.3.2	Number of value added courses imparting transferable and life skills offered during the last five years 1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years Answer before DVV Verification : 14 Answer after DVV Verification: 12
2.1.1	Average percentage of students from other States and Countries during the last five years 2.1.1.1. Number of students from other states and countries year-wise during the last five years Answer before DVV Verification: <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>785</td><td>871</td><td>910</td><td>712</td><td>651</td></tr></table> Answer After DVV Verification : <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>140</td><td>221</td><td>226</td><td>162</td><td>212</td></tr></table>
2.3.3	Ratio of students to mentor for academic and stress related issues 2.3.3.1. Number of mentors Answer before DVV Verification : 166

	Answer after DVV Verification: 165 Remark : As per mentor list provided by HEI.
2.4.4	Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years 2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years Answer before DVV Verification:
3.1.2	Percentage of teachers recognised as research guides at present 3.1.2.1. Number of teachers recognised as research guides Answer before DVV Verification : 41 Answer after DVV Verification: 0 Remark : DVV has not considered e copy of letter of recognition given to BTech.
3.2.2	Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years 3.2.2.1. Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years Answer before DVV Verification:

For 2.4.4.1:

2017-18	2016-17	2015-16	2014-15	2013-14
10	11	13	15	14

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

Remark : Awards from companies is not considered.

For 3.2.2.1:

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	1	1

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

Remark : Detailed program report of f workshops/seminars not provided by HEI for the year 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18.

3.3.3	Number of Ph.D.s awarded per teacher during the last five years
	3.3.3.1. How many Ph.Ds awarded within last five years Answer before DVV Verification : 2 Answer after DVV Verification: 0 3.3.3.2. Number of teachers recognized as guides during the last five years Answer before DVV Verification : 1 Answer after DVV Verification: 1 Remark : Ph D certificate of Ph.Ds Scholar for the year 2017-18 not provided by HEI.
3.3.4	Number of research papers per teacher in the Journals notified on UGC website during the last five years 3.3.4.1. Number of research papers in the Journals notified on UGC website during the last five years Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
41	55	61	47	36

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
16	11	7	7	3

Remark : As per provided link of research papers by HEI.

3.3.5	Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years 3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
59	70	81	75	61

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
31	11	14	16	10

Remark : DVV has made the changes as per google check of books and chapters in edited.

3.4.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
11	16	12	18	19

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
5	1	6	7	2

Remark : As per e-copies of award provided by HEI.

| 3.4.3 | Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

3.4.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years
Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
7	9	8	11	10

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	2	3	6

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
57	17	12	12	16

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
57	13	8	7	12

4.2.4	Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)
	4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5.80	5.97	5.21	3.52	4.53

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
5.80	5.98	13.08	10.96	6.94

Remark : As per expenditure of Library books in audited statement duly signed by CA.

4.2.6	Percentage per day usage of library by teachers and students
	4.2.6.1. Average number of teachers and students using library per day over last one year

Answer before DVV Verification : 431
Answer after DVV Verification: 167

Remark : As per average of students using library on 29/11/2017, 21/12/2017, 18/01/2018 and 07/02/2018 in provided logbook.

4.4.1	Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years
	4.4.1.1. Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
932	1019	874	888	963

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
344.64	318.58	233.54	275.85	192.18

Remark : As per expenditure of Advertisement, Labs expense, Legal & Professionals Exp., Repairs and maintenance, seminar and Workshop Expense, Electricity Expense, Function Expense, Generator running Maintenance, Internet Service Expense, Petrol & Vehicle maintenance,Photostate & Typing Exp, Postage & Courier Exp. A/c, Printing & Stationery A/c , Telephone Exp., Tour & Traveling Exp and Water Exp. A/c in audited statement duly signed by CA.

5.2.3	Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)
	5.2.3.1. Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) year wise during last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
11	22	63	54	51

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
10	22	63	53	51

5.2.3.2. Number of students who have appeared for the exams year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14

5.3.1	Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
19	20	25	27	24

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
6	4	15	18	12

5.3.3	Average number of sports and cultural activities/ competitions organised at the institution level per year

5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
47	44	35	14	29

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
34	28	27	5	20

6.3.2	Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

6.3.2.1. Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
20	24	33	42	29

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
18	9	8	8	5

6.3.3	Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
7	10	9	8	6

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
6	4	2	0	1

Remark : As per report of professional development programs for 2013-14, 2015-16, 2016-17 and 2017-18 provided by HEI.

6.3.4	Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
166	250	262	257	242

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
166	160	76	0	38

Remark : DVV has made the changes as per provided details of teachers attending professional development programs by HEI.

| 6.4.2 | Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs) |

6.4.2.1. Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
2.1	1.1	1.38	0.35	0.40

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

Remark : The budget extract of audited statement towards Grants received from KUKAR INFOTECH for 2013-14, KAMTECH ASSOCIATES PVT. LTD for 2014-15, UNIVERSAL ADS MEDIA PVT. LTD., DEKHO NETWORK PVT. LTD. for 2015-16, ADASTRA SOFT SOLUTION, CADD CENTRE for 2016-17 and BHARDWAJ FOUNDATION & EMPLOYERS' ASSOCIATION OF RAJASTHAN for 2017-18, individuals, philanthropers duly certified by chartered accountant and/or Finance Officer for the year 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18 not provide by HEI.

| 6.5.3 | Average number of quality initiatives by IQAC for promoting quality culture per year |

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
6	7	8	6	8

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14

3	4	4	4	1

7.1.1	Number of gender equity promotion programs organized by the institution during the last five years

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	3	4	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	2	4	2

7.1.8	Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

7.1.8.1. Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
4	3.5	2.5	2.25	1.75

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
4	3.5	3.4	2.25	3.0

Remark : As per total expenditure on green initiatives in audited statement duly signed by CA for 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18 provided by HIE.

7.1.10	Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	2	3	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14

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| 3 | 2 | 1 | 1 | 2 |

| 7.1.11 | Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere) |

7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
6	2	4	2	3

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
4	1	1	1	1

| 7.1.17 | Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years |

7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
4	3	4	3	3

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	1	3	2

2.Extended Profile Deviations

ID	Extended Questions
1.2	Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
932	1019	874	888	963

Answer After DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
932.70	1019.65	874.02	888.53	963.84