



## Yearly Status Report - 2018-2019

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	<b>ARYA INSTITUTE OF ENGINEERING AND TECHNOLOGY, JAIPUR</b>
Name of the head of the Institution	<b>Dr. Yogesh Bhomia</b>
Designation	<b>Principal</b>
Does the Institution function from own campus	<b>Yes</b>
Phone no/Alternate Phone no.	<b>01412820700</b>
Mobile no.	<b>9351157438</b>
Registered Email	<b>principalaiet@aryacollege.org</b>
Alternate Email	<b>aryaietjaipur@rtu.ac.in</b>
Address	<b>SP-40, Industrial Area (RIICO), Kukas, Delhi Road</b>
City/Town	<b>Jaipur</b>
State/UT	<b>Rajasthan</b>
Pincode	<b>302028</b>
<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Urban</b>
Financial Status	<b>Self financed</b>

Name of the IQAC co-ordinator/Director	Dr. Surendra Sharma
Phone no/Alternate Phone no.	01412820710
Mobile no.	9414679881
Registered Email	registrar@aryacollege.org
Alternate Email	iqac@aryajaipur.com

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.aryainstitutejpr.com/aqar-2018.php">https://www.aryainstitutejpr.com/aqar-2018.php</a>
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	<a href="https://www.aryainstitutejpr.com/pdf/AQAR-18/Academic_Calendar_2018-19.pdf">https://www.aryainstitutejpr.com/pdf/AQAR-18/Academic_Calendar_2018-19.pdf</a>

### 5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.96	2019	20-May-2019	19-May-2024

### 6. Date of Establishment of IQAC

02-Jul-2012

### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/beneficiaries
Identify best practices in AIET and promote the activities for securing excellence and Review of various departmental activities.	03-Jan-2019 10	20
To decide the mode of ensuring the effectiveness of teaching-learning, its evaluation and analysis procedures through consistently internal academic, administrative audits on annual basis.	03-Jan-2019 10	20
Submission of QIV parameters for Rank Assessment by RTU for AY 2019-20	03-Jan-	20

	2019 10	
Analysis of academic results of 2017-18 and action plan for improvement for 2018-19	03- Jan- 2019 10	20
Review of Placement of Students and Support in Career services.	03- Jan- 2019 10	20
To examine and take remedial measures if any for the feedback received from all stake holders i.e. Students, Alumni, Employers and parents	23- Jul- 2018 5	25
Assessment of Attainment of Course Outcomes for even Semester 2017-18	23- Jul- 2018 5	25
To review if the quality of academic curriculum, teaching methodology and other co curricular and extracurricular activities commensurate with Vision, Mission and quality policy of the institute	23- Jul- 2018 5	25

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**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Arya Institute of Engineering and Technology	TEQIP3	RTU, Kota	2018 1	15000
Arya Institute of Engineering and Technology	TEQIP-3	RTU, Kota	2018 2	150000
Arya Institute of Engineering and Technology	TEQIP-3	RTU, Kota	2018 2	150000
Arya Institute of Engineering and Technology	TEQIP-3	RTU, Kota	2018 3	200000

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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

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<b>10. Number of IQAC meetings held during the year :</b>	<b>2</b>
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	<b>Yes</b>
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>Yes</b>
If yes, mention the amount	<b>515000</b>
Year	<b>2018</b>

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

Coordinating the activities for QIV of Rajasthan Technical University.

Organizing the Academic Audit

Conduct Faculty Development Program and Organised National level Startup Innovation Contest.

New initiative enhanced to increase the Placements of Students.

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
<b>Mandatory internship for 2nd year Students</b>	Summer internship of 15 days made mandatory for all the students during the academic year 2018-19 onwards as per RTU guidelines.
<b>Transparency in internal examination system</b>	Continuous comprehensive internal evaluation system offers the subject teacher at a glance, the students' performance. The academic performance of the student and attendance of the student are maintained and recorded in each department. The teachers have modified their teaching methodologies and or developed teaching techniques for the advanced, average and slow learners.

Improvement in the students - teachers relationships	Students' counseling at individual level, easy access within department and college. Students' career guidance cell provides information and guide students for career options.
Encourage Students for attending seminars and conferences to publish Research Papers	All Students are encouraged to attend seminars & workshops and to publish research papers conducted by institute and other organizations.
Encourage teachers for attending faculty improvement programmes, seminars and conferences	All staff members are encouraged to attend FDP programmes and publish research papers conducted by institute and other organizations.
Strengthening the Academic Quality	Various teaching methodologies adopted such as use of ICT in teaching learning, PPT Learning, Video Lecture Learning, Hand Made Lecture Notes, seminars, tutorials and assignments were practiced.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
IQAC	22-Jan-2022

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

17-May-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

25-Feb-2019

17. Does the Institution have

Yes

Management Information System ?	
<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>Information systems play a crucial role in the management of students records and fetching in time availability of records, database and organizational structure which is designated to bring best practices in teaching and learning process. In Arya College, we try getting maximum advantage of such system which is supported by technology and backed by personnel who intend to deliver the information and help the system to work for the students and its developments by saving time, energy and bringing efficacy to process and management. The fast changing scene of liberalization, competition and globalization combined with a never before seen emphasis on quality, timelessness, innovation, customer orientation and efficiency information across the globe. This work was carried out at all of the engineering departments of Arya Institute of Engineering and Technology In this work an attempt has been made to develop MIS for listing out the student names who have less than 75 attendance, maintaining the internal assessment marks of the students and the details of all the faculty members like who is handling which subject. The software is designed by using Oracle Server as backend and Visual Basic as front end. After the entry of all the students in different subjects, the software calculates the percentage of attendance of all the students so that it is easy for us to see who have less than 75 attendance. Similarly after entry of internal assessment marks of all the students of different subjects, the software calculates the average of the best two. It also gives the details of the faculty handling different subjects. This report can be transferred on to a hard copy. Hence by using this software, a lot of time can be saved and the mistakes which could happen by oversight can be eliminated. MIS helps us to make integral connections between department to student and student to academics at large.</p>

## Part B

**CRITERION I - CURRICULAR ASPECTS****1.1 - Curriculum Planning and Implementation****1.1.1 - Institution has the mechanism for well planned curriculum delivery and documentation. I**

The college is affiliated to Rajasthan Technical University and C followed as per the guidelines and structure given by the University of Teaching Learning and Evolution • Allocation of subjects to the on their specialization by the HODs • Preparation of college Academic Appointment of coordinator (year wise) and class in-charge for monitoring to improve academics. • Preparation of lecture plans & Preparation of target result for the departments Preparation of 1 Preparation and distribution of study material i.e. lecture notes, digital notes to the students and submission of assignment/tutorial the students. • Interactive Classroom teaching by delivering through MALL technology. • To improve effective interpersonal skill of s ensuring group discussions, quizzes, seminars, visual aids models through NPTEL lectures. • Submission of course coverage through wee the faculties duly verified by respective HOD's which is further fo principal after review. • Conduction of Unit Tests, Internal Test evaluative Exams. • Proofreading and cross checking of Assignments Internal. • Scheduling of extra and special classes for weaker students their efficiency. • Scheduling of individual class meeting under th of HOD and respective class teacher to assess the quality of teaching academics and non-academic activities. • Conduction Tutorial cl analytical subjects • Arrangement Guest lecturer for students rele current courses Guiding and motivating students to do innovative Arrangement in-house training for the students to have industry in bridge the gap between academic and industry. • Conduction of soft and Value added courses for the students to fill the Academic and i • Formation of technical -clubs to regularize the activities like s and group discussion to help the students towards placement • Policy for rank holders students by rewarding them a book, cash prize and annual function. • To communicate the parents about the attendance their wards. • Intimating the parents about the academic performance after completion of the Internal Assessments Test and Model Exam. • Parent-Teachers Meeting after every semester to get the feedback fr improve the academic performance of their ward. • Conduction Analyti training for the students • Motivating the students to go through Magazines to enhance their knowledge which in turn creates interest development. • Motivating student teams to participate in conference workshops, paper presentations held in other institutions • Conduction aptitude and Mock Interviews for the Final Year students aspiring f

**1.1.2 - Certificate/ Diploma Courses introduced during the academic year**

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneur
Geogebra	-	06/08/2018	48	Employability
Ansys	-	06/08/2018	96	Employability
Plc Scada	-	07/01/2019	48	Employability
C-Language	-	04/02/2019	48	Employability

Embeded	-	07/01/2019	48	Employability
INFOSYS Campus connect	-	06/08/2018	48	Employability
Qcad	-	06/08/2018	48	Employability
PHP My SQL	-	06/08/2018	48	Employability
Arduino	-	07/01/2019	48	Employability
Python	-	07/01/2019	48	Employability
Autocad	-	27/08/2018	96	Employability
Solid Work	-	06/08/2018	96	Employability
SDC	-	27/08/2018	96	Employability
CRT	-	07/01/2019	96	Employability

## 1.2 - Academic Flexibility

### 1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Date
BTech	Computer Science and Engineering	
BTech	Electronics and Communication Engineering	
BTech	Electrical Engineering	
BTech	Information Technology	
BTech	Mechanical Engineering	

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### 1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented in affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of Course System
BTech	Computer Science and Engineering	02/07/
BTech	Electronics and Communication Engineering	02/07/
BTech	Electrical Engineering	02/07/
BTech	Information Technology	02/07/
BTech	Mechanical Engineering	02/07/
Mtech	Computer Science and Engineering	06/07/
MBA	MBA	01/07/

### 1.2.3 - Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma
Number of Students	2025	

## 1.3 - Curriculum Enrichment

### 1.3.1 - Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students



Managerial Economics and Financial Accounting	02/07/2018	
Technical Communication	02/07/2018	
Laws of Engineers	02/07/2012	
Principle of Communication	02/07/2018	
Communication Skills	02/07/2018	
Human Values	02/07/2018	
Language Lab	02/07/2018	
Human Values Activities	02/07/2018	
Human Resource Management	01/07/2013	
Business Ethics and Ethos	01/07/2013	

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### 1.3.2 - Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled Internsh
BTech	Computer Science and Engineering	743
BTech	Electrical Engineering	271
BTech	Electronics and Communication Engineering	224
BTech	Information Technology	107
BTech	Mechanical Engineering	418
Mtech	Computer Science and Engineering	7
MBA	MBA	97

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### 1.4 - Feedback System

#### 1.4.1 - Whether structured feedback received from all the stakeholders.

Students	
Teachers	
Employers	
Alumni	
Parents	

#### 1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the (maximum 500 words)

##### Feedback Obtained

For overall development and value addition, the use of feedback syst necessary in today developing world to keep the updates from industr and other allied sectors etc the Feedback form/formats are designed stakeholders such as HR who visit college during campus placement d who are working in industry, this also includes faculty feedback, st feedback, course exit survey, etc. Every department ensures that fac

from the students for the course is taken at-least twice in a semest teaching/learning aspects and teaching pedagogy. The Feedback is ana HODs and Principal and corrective measures if any, are informed to t faculties for further improvements and it is being observed that cor measures keep coming with the use of effective feedback system. Since Arya Institute of Engineering and Technology have mandated the course feedback and program exit feedbacks need to be taken to analyzed for understanding capability of the students. The Feedback about the inf facilities is also vital and it is taken on regular basis from the 3 final year students at the end of the program however student can pr in suggestion box at any moment of time particularly for improving t facilities, if any. The feedback so obtained is being analyzed for f improvisations. Feedback is taken from alumni for suggestions or val the curriculum/syllabus/ training methodology based on their experie learning in the industry. The Feedback from the final year students Institute of Engineering and Technology are taken for their suggesti improving the curriculum and it is conveyed to the Chairman, Board c the respective programmes/department of Rajasthan Technical Universi Feedback and suggestion from faculties are also taken for considerat suggestions in updating of syllabus. One of the important Feedbacks collected from the HR Personnel who visits Arya College during Campu activity, these feedbacks which focus on communication skills, Techn and overall personality is discussed in meeting of training and plac student training team to make it implemented in coming course of tra College keep revising its training content and syllabus with this me student industry ready and thus resulting into the best placement in Rajasthan. Library has pre-designated feedback forms which are kept desk counter and open to fill-up by any student as per their wish ar collected data which have suggestions to add new books, journals etc discussed with library committee under the supervision of Principal suggestion box is also installed in Arya College mess, College buses conducts the exercise of student feedback every year on regular basi considers this as a practice to deliver the student best and as per standards. This is a feedback on 5-point scale primarily focuses on Curriculum, Extra Curricular and student support systems.

## CRITERION II - TEACHING- LEARNING AND EVALUATION

### 2.1 - Student Enrolment and Profile

#### 2.1.1 - Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Appli received
MBA	MBA	60	55
Mtech	Computer Science & Engineering	18	2
BTech	Mechanical Engineering	120	73
BTech	Electrical Engineering	120	41
BTech	Electronics & Communication Engineering	120	55
BTech	Information Technology	60	34
BTech	Computer Science & Engineering	180	177

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## 2.2 - Catering to Student Diversity

### 2.2.1 - Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses
2018	1794	104	151	7

## 2.3 - Teaching - Learning Process

### 2.3.1 - Percentage of teachers using ICT for effective teaching with Learning Management System resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms
161	142	12	22	15

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 2.3.2 - Students mentoring system available in the institution? Give details. (maximum 500 words)

Regular mentoring leads to student satisfaction and its overall development and this is done by the faculty members who play a pivotal role in mentoring Arya college students. Students and their mentors have a responsibility for ensuring and enabling productive and result oriented mentoring relationship. Both students and mentors have a role to play in the success of meaningful mentoring. For the students, a mentor can serve as a guide throughout during their journey in college. Mentors are assigned from the faculty to provide both professional and personal advice wherever they need, Mentors also ensure student's smooth transition into, and out of the college. They give constructive feedback on writing, research, and other elements which help in framing up a successful career. Mentors serve to help students balance their academic with their personal lives or give emotional encouragement during challenging times where the student is proven to be very beneficial. The major objectives of the Student Mentoring system include: to help students/new admission to understand the challenges and opportunities (SWOT) present in the college; to provide a smooth transition to the campus life and also creating an ecosystem in which feedback can be used for guiding the students and addressing their concerns. Mentoring system in Arya College provides support to academically weak first year students who find it difficult to cope up with the physical and academic challenges and to play a friendly role in helping troubled students to cope with academic, extra-academic, and personal problems and to make them emotionally stable. Mentors are being instructed to share positive experiences with students about the alumni who did exceptionally well in academics and placements and also to identify problems of the general student populace and to bring them to the notice of the Principal. This helps in catering the overall atmosphere in a college. Mentoring system ensures the regular monitoring of students through regular counseling sessions conducted in the department at regular intervals. The system connects the feedback system on many points and thus works parallel to it. The mentoring system always attempts by tracking these objectives by carefully identifying those who can act as an effective mentor and guide for a fresh first year student to final year student or an academically weak student to a successful one. Another important aspect of mentoring is student to student mentoring system, The Role of the student mentor is assigned to a group of 10-15 students which are created by a Faculty mentor, who would help and guide his/her mentees. Under usual circumstances, the primary duty of the student mentor is to guide and support the mentees.

students assigned to him/her from the institute. The student mentor acts as a friendly corner for students and students are able to share better feedback to students in comparison to the faculty mentor. This feedback helps faculty mentors to act effectively during critical junctions of students.

Number of students enrolled in the institution	Number of fulltime teachers	Men
1898	161	

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year
155	161	0	61

### 2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship from Government or recognised bodies
2018	Dr. Puja Agarwal	Professor	7th Principals Award 2018
2018	Dr. Indu Gupta	Professor	Dare to Dream Award
2018	Mr. Sandeep Kumar Jhamb	Assistant Professor	Productivity Excellence Award 2016-17
2018	Dr. Puja Agarwal	Professor	Best Engineering Teacher Award Rajasthan 2018
2018	Dr. Puja Agarwal	Professor	Sewa Ratan Award for contribution in Technical Education
2018	Dr. Puja Agarwal	Professor	Best Educational Leadership Award 2017 Award
2019	Mr. Shubham Mahajan	Assistant Professor	Best Private Engineering Teacher in North India
2019	Mr. Sandeep Kumar Jhamb	Assistant Professor	Northern India Excellence Award
2019	Dr. Puja Agarwal	Professor	Academic Leader of the Year

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## 2.5 - Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results semester-end/ year-end
BTech	-	VIII/IV	25/04/2019	03/06/2019
BTech	-	VII/IV	03/12/2018	18/03/2019
BTech	-	VI/III	26/04/2019	03/08/2019
BTech	-	V/III	04/12/2018	27/03/2019

BTech	-	IV/II	28/05/2019	03/08/
BTech	-	III/II	03/01/2019	06/05/
BTech	-	II/I	27/05/2019	28/09/
BTech	-	I/I	02/01/2019	04/10/
MBA	-	IV/II	14/06/2019	25/09/
Mtech	-	III/II	28/12/2019	21/04/

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### 2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level

The Arya Institute of Engineering and Technology - Jaipur is affiliated to Rajasthan Technical University-Kota and follows the Examination pattern of the university and as per given guidelines. Rajasthan Technical University guidelines are strictly adhered in respect to the evaluation process and major reforms have been taken in this area. There are four internal tests conducted known as Mid Term Examinations. Schedules of mid terms are communicated to students through Institutional Notice Board. Respective departments Notice Board through the academic calendar prepared based on the university academic calendar. The institute has made various efforts to reform the continuous internal evaluation system from faculty centric to student centric keeping view of student development and academic excellence at the college. As per the RTU guidelines, the following reforms have been implemented in the evaluation system Scheduling of Mid Term Examination, Proctor arrangements, faculty invigilators listed for every examination. Preparation of the exam question paper for the internal examination in the prescribed format based on Knowledge level, using revised Bloom's taxonomy, a model which helps to classify learning through cognitive approaches. Scrutiny of these question papers is carried out by HOD/ Subject experts to ensure the effectiveness of the Question papers. The guess papers are also being prepared by departments and placed at notice boards to ensure the reach to every student. Monitoring of the attendance of the students for the Mid Term Examination is considered important and taken to very seriously. The evaluation for laboratory courses is assessed in the similar fashion and followed for theory courses. In laboratory session, the student is assessed through viva questions, practicals, and from college faculty/Lab attendant. The project evaluations are aimed at assessing the understanding of the project, concept and the presentation skills and technical skills of the student. It is encouraged to do projects in a team so that the student learns the team work and understands the technical knowledge through practicals and team adaptive environment. Performance of the students in assignments, practicals and mid terms is used for Faculties to identify slow learners and provide them learners in their respective subjects. Slow Learners are encouraged to improve their performance in future by counseling.

### 2.5.3 - Academic calendar prepared and adhered for conduct of Examination and other related activities

As per the directives of Rajasthan Technical University-Kota and AICTE guidelines, Academic Calendar is prepared by college at the beginning of each year. The Principal conducts meetings with IQAC, HODs and Coordinators, Examination Committee, Intra Cultural Committee and Sports Committee members. The college ensures the smooth conduction of classes and also FDP was given to faculties to get the updated with these platforms so they can carry out teaching and learning process more effectively. Student development cell also carried out GD (Group Discussion) for final year students so as to make them prepare for upcoming campus activities. The academic calendar prepared for AY 2018-2019 displayed the dates for

Intra collegiate Festival, Annual Day, Sports Day, and presentations Departments and Committees for the Annual Academic Audit. The dates examinations for self financed courses, which are mandatory, are declared in advance and displayed on the notice board. This method was followed in all terms. After every examination, the last date for submission of marks is declared. After the declaration of results, the dates are fixed for the next examination and communicated to the students. Declaring the last dates for submission of marks has proved to be a very good method to ensure that the results are submitted within the stipulated time given by the Rajasthan Technical University.

## 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 in website of the institution (to provide the weblink)

[https://www.aryainstitutejpr.com/pdf/AQAR-18/Program\\_Specific\\_Outcomes.pdf](https://www.aryainstitutejpr.com/pdf/AQAR-18/Program_Specific_Outcomes.pdf)

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final examination
-	MBA	MBA	37	24
-	Mtech	Computer Science & Engineering	5	4
-	BTech	Mechanical Engineering	92	84
-	BTech	Electrical Engineering	94	83
-	BTech	Electronics & Communication	57	56
-	BTech	Computer Science & Engineering	205	192

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## 2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may develop a questionnaire) (results and details be provided as weblink)

[https://www.aryainstitutejpr.com/pdf/AQAR-18/2.7\\_Student\\_Satisfaction\\_Survey%20.pdf](https://www.aryainstitutejpr.com/pdf/AQAR-18/2.7_Student_Satisfaction_Survey%20.pdf)

## CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Resource Mobilization for Research

3.1.1 - Research funds sanctioned and received from various agencies, industry and other organizations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received
Industry sponsored Projects	365	Euniversal AdsMedia Pvt Ltd	1.2	
Industry sponsored	365	Kamtech	1.1	

Projects				
Industry sponsored Projects	365	Raj Infotech, Jaipur	0.85	
Industry sponsored Projects	365	Dekho Network Private Limited	0.75	
Industry sponsored Projects	365	Raj Infotech, Jaipur	0.71	
Major Projects	365	Dekho Infotech Pvt. Ltd	1.5	
Industry sponsored Projects	365	Dekho Infotech Pvt. Ltd	1.22	
Industry sponsored Projects	365	Euniversal Ads Media Pvt. Ltd	1.5	
Industry sponsored Projects	730	Dekho Network Private Limited	1.2	
Industry sponsored Projects	365	Kebab and Curries	3	

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### 3.2 - Innovation Ecosystem

3.2.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Acader practices during the year

Title of workshop/seminar	Name of the Dept
Inernational Seminar on Sustainable Development	Electrical Engineering
Intenation Seminar on Global strategic Management	MBA
ESVC workshop	Mechanical Engineering
International Seminar on Scope of Technical Education in Germany	MBA
International Seminar on Technologies Advertities and Research	Electronics ar Communicator Engineering
Intrnational Seminar on Data base and web fronted for device Asset Tracking server Performance Graphing tools	Computer Science Engineering
National Seminar on Innovation for product development in Engineering	MBA
National Workshop on Importance of Communication Skills	Electronics ar Communicator Engineering
Workshop on Design and implementation of solar energy on Pvsyst	lectrical Engineering
Workshop on Short circuit studies of typical power system	Electrical Engineering

## 3.2.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the

Title of the innovation	Name of Awardee	Awarding Agency	Date award
Leading Innovative Engineering Institute in Rajasthan by elets	Mr. Pramod Sharma	eLets	07/12/
7th Principals and Teachers Award 2018	Dr. Puja Agarwal	Simply Jaipur	07/12/
Dare to Dream Award	Dr. Indu Gupta	Federation of Rajasthan Trade Industry (FORTI) and SAP	04/08/
Productivity Excellence Award	Mr. Sandeep Jhamb	Rajasthan State Productivity Council	27/11/
Sewa Ratan Award for contribution in the field of Technical Education	Dr. Puja Agarwal	Rajasthan State Commission for Minorities	31/08/
Academic Leader of the Year 2019	Dr. Puja Agarwal	Integrated Chambers of Commerce and Industry	28/02/
Visionary Leader of the Year-2018	Dr. Arvind Agarwal, Dr. Puja Agarwal	Centre for Education Growth and Research (CEGR)	21/12/

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## 3.2.3 - No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up
Arya Institute of Engineering and Technology	Arya Incubation Center	Dekho Netwrok Pvt. Ltd.	Ruby Robot	Robotics
Arya Institute of Engineering and Technology	Arya Incubation Center	Dekho Netwrok Pvt. Ltd.	Nancy Hospital Robot	Medical
Arya Institute of Engineering and Technology	Arya Incubation Center	Dekho Netwrok Pvt. Ltd.	LIDAR/SLAM Based Robot Solution	Robotics
Arya Institute of Engineering and Technology	Arya Incubation Center	Raj Infotech, Jaipur	Vehicle Design Solution	Automobil
Arya Institute of Engineering and Technology	Arya Incubation Center	Dekho Infotech Pvt. Ltd	Chal Chaksu App	Mobile Applicati
Arya Institute of Engineering and Technology	Arya Incubation Center	Raj Infotech, Jaipur	Floor Cleaning Robot	Robotics



Arya Institute of Engineering and Technology	Arya Incubation Center	Kamtech	Mobile Fertiligation System Solution	Agriculture
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### 3.3 - Research Publications and Awards

#### 3.3.1 - Incentive to the teachers who receive recognition/awards

State	National	International
0	4	0

#### 3.3.2 - Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
NIL	0

#### 3.3.3 - Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average
International	Electrical Engineering	7	
International	Mechanical Engineering	3	
International	Computer Science and Engineering	2	
International	Electronics and Communication Engineering	1	

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#### 3.3.4 - Books and Chapters in edited Volumes / Books published, and papers in National/International Proceedings per Teacher during the year

Department	Number
Electrical Engineering	
Mechanical Engineering	
Computer Science and Engineering	
Electronics and Communication Engineering	
Department of First Year	

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#### 3.3.5 - Bibliometrics of the publications during the last Academic year based on average citation Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institution
TRUSTWORTHINESS OF SOCIAL INTERACTIVE	MS. PRAGYA RAWAT	INTERNATIONAL JOURNAL OF EMERGING	2018	0	Insti pub Ins'

SITES NEWS REAL OR FAKE		TECHNOLOGY AND ADVANCED ENGINEERING (IJETA)			Engi Tech
OTSU SEGMENTATION DISCRETE WAVELET TRANSFORM BASED BINARY WATERMARK SCHEME	MS. NEHA SHROTRIYA	INTERNATIONAL JOURNAL OF ENGINEERING DEVELOPMENT AND RESEARCH	2018	0	A Ins Engi Tech
WORK SPACE CALCULATION FOR 3D PRINTER BASED ON THE TRANSFORMATION MATRICES AND KINEMATIC MODELING BY USING SCREW BASED EXTRUSION	MR. SANDEEP JHAMB	IJERGS	2018	0	A Ins Engi Tech
WORK SPACE CALCULATION FOR 3D PRINTER BASED ON THE TRANSFORMATION MATRICES AND KINEMATIC MODELING BY USING SCREW BASED EXTRUSION	MR. PANKAJ KUMAR	IJERGS	2018	0	A Ins Engi Tech
DETECTION OF SATURATION OF CORE OF CURRENT TRANSFORMER USING COMBINED FEATURE OF HILBERT TRANSFORM AND STOCKWELL TRANSFORM	MR. DEEPAK SHARMA	IEEE, POWER INDIA INTERNATIONAL CONFERENCE (PIICON)	2018	0	A Ins Engi Tech
ROLE OF MULTIBAND STABILIZERS ON THE GRID CONNECTED MICROGRID	MR. DEEPAK SHARMA	2018 2nd International Conference on Micro-Electronics and Telecommunication Engineering	2019	0	A Ins Engi Tech
ANALYZING THE EFFECT OF PARTIAL SHADING ON PERFORMANCE OF GRID CONNECTED SOLAR PV SYSTEM".	MR. DEEPAK SHARMA	ICRAIE	2019	0	A Ins Engi Tech
THE PRINCIPLE TECHNIQUES OF CURRENT HARMONICS REDUCTION AND POWER FACTOR IMPROVEMENT	MR. DEEPAK SHARMA	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE	2019	0	A Ins Engi

FOR POWER PLANTS AND THE UTILITIES: A REVIEW						Tech
SIMULATION AND DESIGN MODIFICATION OF THE FLOW SYSTEM OF INJECTION MOLDS FOR RUBBER IN THE ASPECT OF PERFORMANCE TEST	MR. AMITESH KUMAR SHARMA	ICIME2018	2019	0		Engi Tech
DESIGN SIMULATION AND FABRICATION OF SINGLE BAND TAPPED HAIRPIN BANDPASS FILTER FOR AIRPORT SURVEILLANCE RADAR APPLICATION	MR. ABHAY PUROHIT	IJSRD	2019	0		Engi Tech

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### 3.3.6 - h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institution mentioned
NIL	NIL	NIL	2018	0	0	

No file uploaded.

### 3.3.7 - Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National
Attended/Seminars/Workshops	59	43
Presented papers	15	2
Resource persons	0	0

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### 3.4 - Extension Activities

#### 3.4.1 - Number of extension and outreach programmes conducted in collaboration with industry, Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of participants
Women Self-protection	Rajasthan Chamber of Commerce Industry	19	
AIDS DAY AWARENESS Programme	AIET- NSS	31	
Tree Plantation	Rajasthan State Productivity Council	35	
Rashtriya Balika Diwas	AIET, Jaipur	15	

Blood Donation Camp	Yuva Sathi Sangathan, Jaipur.	20	
Tree Plantation	Gramm Panchayat, Jambarangarh	20	
Celebration of International Yoga Day	AIET- NSS	40	

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3.4.2 - Awards and recognition received for extension activities from Government and other rec during the year

Name of the activity	Award/Recognition	Awarding Bodies
Blood Donation	Appreciation of Highest units of Blood donated	Panchhi Foundation Jaipur
Swachh Bharat	Green Campus Recognition	Dy. Mayor, Jaipur Nagar Nigam
Charity Function	Appreciation of donation of needs for deaf and dumb people	Seth Anandi Lal Pod Institute of Deaf D
NSS Cell-Tree Plantation	Best NSS Activity Award	Tilak shikshan Sami
Women Empowerment	Recognition for work for Women Education, Social Rights, Gender Equality	President Rajastha State Women Commiss:
Mid Day Meal	Acknowledgement and Appreciation for Volunteering in Social Activities	Akshay Patra Foundation
Swachhta Abhiyan	Recognition for Swachhta Abhiyan	Office of Gram Panchayat, Jamwa Ramgarh, Jaipur
Social Activity	Acknowledgement and Appreciation for Volunteering in Social Activities	Hare Krishna Movemen Jaipur

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3.4.3 - Students participating in extension activities with Government Organisations, Non-Gover and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	N p
Women Self Defense	Rajasthan Chamber of Commerce Industry	Women Self-protection	3	
National Service	AIET- NSS	AIDS DAY AWARENESS	4	

Scheme		Programme		
Tree Plantation awareness	Rajasthan State Productivity Council	Tree Plantation	2	
Beti Padao Beti Bachao	AIET, Jaipur	Rashtriya Balika Diwas	3	
Social Service	Yuva Sathi Sangathan, Jaipur.	Blood Donation Camp	5	
Tree Plantation awareness	Gramm Panchayat, Jambaramgarh	Tree Plantation	2	
NSS	AIET- NSS	Celebration of International Yoga Day	3	

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### 3.5 - Collaborations

#### 3.5.1 - Number of Collaborative activities for research, faculty exchange, student exchange duri

Nature of activity	Participant	Source of sup
Student Exchange	NIMISHA VERMA, SHANU SHARMA, DRISHTY MAHAJAN, HARSHIT SHARMA, VAIBHAV SHARMA	Silicon (U)
Faculty Exchange	MR. MANISH CHOUBISA, MR. MANISH DUBEY, MR. PIYUSH SHARMA, MS. HEMLATA SHARMA, MR. PAWAN SEN	Infosys Con
Student Exchange	SHIVANI SINGH, SHIVANSHI TRIPATHI, ABHIJEET SINGH TOMER, ABHISHEK SINGH GAUR, FARAZ ALI SHANE, NIKHIL SAIN, RAJAN JAIN, VISHAL JANGID, PRASHANT YADAV	ES
Faculty Exchange	Pushpendra Faujdar, Gaurav agarwal, Yash Agarwal, Gurmeet Singh	Kam Assoc Pvt. : EAR, :
Student Exchange	DEEPAK KUMAR, DEEPAK KUMAR YADAV, DEEPAK SHARMA, DHANANJAY SINGH, DHEERAJ KUMAR, RAJVENDRA SINGH CHAUHAN, RAUSHAN KUMAR JHA, RIJVAN, PAWAN SAINI, PRAKASH CHANDRA KUMAWAT, PRANAV SHARMA	Departm Infor Techno Govern Raja:
Faculty Exchange	MS. NEHA JAIN, MS. TRIPTI DUA, MR. VISHNU KUMAR BARODIYA, MR. PIYUSH SHARMA, MR. PAWAN SEN	RTU,
Faculty Exchange	SHUBHAM MAHAJAN, PIYUSH SHARMA, DR PRAMOD SHARMA, PAWAN SEN, KSHITIZ AGARWAL	Dell (Powe: INTI
Research	AMIT PUROHIT, AMRIT KUMAR SINGH, ANCHAL JAJU, JADEJA RAJPAL SINGH, JYOTI CHANDWANI, KAVITA SHARMA, KOMAL BHASKAR, SATYENDRA KUMAR SHARMA, SOURABH GOUTAM, TUFAN ALAM, VIJAY CHOUDHARY, YAWAR KHAN, ZUKER NAIN ALI, SHIVAM TINKER	Man: Unive Jai
Research	NITESH KUMAWAT, NITIN RAI, NITIN SINGH CHOUHAN, RAM	TEQI:

	DEV CHAHAR, SHUBHAM SUNIL SHRIVASTAVA, RAKESH KUMAWAT, VICKEY KUMAR SAHU, VISHAL JANGID, HARSHA KHANDELWAL, PRASHANT YADAV	(R'
Research	NILESH PATEL, NISHANT PANCHAL, NITIN BACHANI, PALAK AGARWAL, PAWAN SOLANKI, SHIVPAL, SHREYA SINGH, SHUKLA SMITA BIPIN	TEQIP

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3.5.2 - Linkages with institutions/industries for internship, on-the- job training, project work, st facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Dura
Internship	Internship	Dekho Netwok, Jaipur	15/05/2018	16/0'
Internship	Internship	Nupeak IT Solutions LLP	15/05/2018	16/0'
Internship	Internship	Kukars Infotech , Jaipur	01/05/2018	31/0'
Internship	Internship	Synergy Labs	30/07/2018	15/1'
Internship	Internship	Blockchain Training Academy	01/08/2018	15/0
Internship	Internship	BYJUs	01/01/2019	30/0.
On job training	On job training	Consultadd, Pune	04/03/2019	03/0'

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3.5.3 - MoUs signed with institutions of national, international importance, other universities, in houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities
JK LAKSHMIPAT UNIVERSITY, Jaipur	11/01/2019	<ul style="list-style-type: none"> <li>• Student Faculty exchange programs.</li> <li>• Cultural exchange programs.</li> <li>• To promote publications joint research activities.</li> </ul>
RAJASTHAN ILD SKILLS UNIVERSITY (RISU), Jaipur	06/11/2018	<ul style="list-style-type: none"> <li>• For providing skill education in various faculties based on swyss dual system.</li> <li>• To assist students for placement in Kaillash Group of Companies (Genus Power Infrastructures).</li> <li>• To impart training leadership programs for budding professions.</li> </ul>
SHREE BHAGWAN MAHAVEER VIKLANG SAHAYTA SAMITI, Jaipur	16/10/2018	<ul style="list-style-type: none"> <li>• The world renowned charitable organization associated to develop artificial limb for amputees differently able people through state of Art Robotics labs at AIET.</li> <li>• To develop cost sufficient bionic hand at minimal cost.</li> </ul>
TOASTMASTERS	24/11/2018	<ul style="list-style-type: none"> <li>• Purpose of promoting communication and</li> </ul>

<b>CLUB</b>		<b>public speaking skills.</b>
<b>KAMTECH ASSOCIATES</b>	11/07/2018	<ul style="list-style-type: none"> <li>To induct industrial consultancy services.</li> <li>Student exchange over the various platform (UNIDO).</li> <li>Consultancy services like quality check, Evaluation, E-Commerce solutions.</li> </ul>
<b>RAJASTHAN CHAMBER OF COMMERCE INDUSTRY (RCCI)</b>	10/07/2018	<ul style="list-style-type: none"> <li>To establish local Industry Interface.</li> <li>To cater employment requirements at regional level.</li> <li>To arrange lectures for students by Industry experts.</li> </ul>

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## CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

#### 4.1.1 - Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure augmentation
55	53.29

#### 4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Exist
Others	
Value of the equipment purchased during the year (rs. in lakhs)	
Video Centre	
Seminar halls with ICT facilities	
Classrooms with LCD facilities	
Seminar Halls	
Laboratories	
Class rooms	
Campus Area	

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### 4.2 - Library as a Learning Resource

#### 4.2.1 - Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Y
DELPLUS	Fully	2.0	

#### 4.2.2 - Library Services

Library Service Type	Existing		Newly Added		
Text Books	25549	9157820	1659	364980	272
Reference Books	2747	1131175	185	41625	293
e-Books	630	43036	122	7564	75
Journals	22	18750	5	6250	27
e-Journals	1	13570	Nil	Nil	1

Digital Database	1	71390	Nil	Nil	1
CD & Video	853	252660	132	32340	98
Library Automation	1	15000	Nil	Nil	1

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4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala C SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & instituti Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of content
Dr. ANUPAMA CHOUDHARY	aryavideonotes	PHP	10/08
Dr. ARSHI HUSSAIN	aryavideonotes	PHP	10/08
Dr. DEEPAK GUPTA	aryavideonotes	PHP	10/08
DR. ANUPAMA PANDEY	aryavideonotes	PHP	10/08
DR. LAXMI DULAWAT	aryavideonotes	PHP	10/08
DR. SHALINI GUPTA	aryavideonotes	PHP	10/08
DR. VIPIN GUPTA	aryavideonotes	PHP	10/08
MR. ANKIT KUMAR TANEJA	aryavideonotes	PHP	10/08
MR. DEEPAK SHARMA	aryavideonotes	PHP	10/08
MR. PUSHPENDRA FAUJDAR	aryavideonotes	PHP	10/08

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### 4.3 - IT Infrastructure

#### 4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	B (M
Existing	800	21	100	1	1	25	12	
Added	0	4	0	0	0	0	0	
Total	800	25	100	1	1	25	12	

#### 4.3.2 - Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

#### 4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media cent facility
ARYA VIDEO NOTES	<a href="http://www.aryavideonotes">http://www.aryavideonotes</a>

### 4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical facilities and academic support facilities component, during the year



Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expendit maintenance
810	804.17	200	1

4.4.2 - Procedures and policies for maintaining and utilizing physical, academic and support facilities like library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available on institutional Website, provide link)

With the help of following Committees college follow the standard policies for maintenance of infrastructure facilities equipment. 1. Maintenance Infrastructure Committee 2. Computer IT infrastructure Laboratory Equipment's/ Machineries Committee 4. Furniture's/ related committee 5. Garden Committee 6. Library Advisory Committee 1. Building Maintenance Infrastructure Committee: This committee look after the repair and constructional work related to the building. Construction maintenance of the main building, hostel buildings and physical infrastructure like water, power supply, and gas are looked after by this committee done through a tender system as per standard norms. A supervisor is the college authority to verify all maintenance and up gradation work civil, mechanical and electrical, done by the contractors through procedure. All minor faults are attended and repaired by hired technicians carpenters and plumber etc. The college has an electrical power generator for uninterrupted power supply round the clock. Maintenance of wash and service areas are outsourced through various in-house housekeeping Computer IT infrastructure Committee Maintains Stock Register regularly account of the nonfunctional equipment and infrastructure, like printers, etc. Maintenance and up-gradation are looked after by maintenance committee from time to time. Annual Maintenance Contracts computers used in different departments as well as those used as facility like the Wide Area Network (WAN), Intercom etc. are renewed ensure their good service. 3. Laboratory Equipment's/ Machineries: Maintains stock register by the laboratory for keeping a list of glassware and any other instruments used in the laboratory. Maintains Register regularly to keep account of the non-functional equipment etc. Annual Maintenance Contracts (AMC) for different laboratory instruments machines are done. The laboratory equipment is maintained at the college level by the staff or through hired technicians annually and/or necessary. 4. Furniture's related items committee There is staff to maintenance and repair work of furniture and fixtures and other infrastructure. He brings into the notice of the authority the need work and certifies after the work has been completed. 4. Garden Committee College has a team of efficient and experienced gardeners to maintain and flora of the College. Planting of seasonal trees is carried in regularly. The trees are pruned after due permission from the Government supervision of qualified staff. 5. Library Advisory Committee College Advisory Committee includes all heads of departments, Vice Principal coordinator and two representatives of staff council. Most concerns issue, and up-gradation of library facilities are decided in this Building Hygiene: Sweepers and a supervisor are allotted for a particular All the sweepers are required to sign in the register at the supervisor that he/she has done the duty. The supervisor should attest the signature Sweepers: Cleaning of classrooms etc.

<https://www.aryainstitutejpr.com/policy.pdf>

**CRITERION V - STUDENT SUPPORT AND PROGRESSION****5.1 - Student Support****5.1.1 - Scholarships and Financial Support**

	Name/Title of the scheme	N
Financial Support from institution	Tej Scholarship Scheme (Economically Weaker), ARYA GIRLS SCHOLARSHIP (BETI BACHAO BETI PADHAO)	st
Financial Support from Other Sources		
a) National	SC/ST/ OBC-NCL	
b) International	Nil	

[View File](#)**5.1.2 - Number of capability enhancement and development schemes such as Soft skill development coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.**

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft Skills - Campus Recruitment Training (CRT)	18/06/2019	450	Amerigo Software Plot No. 27, Lajpat Nagar, Alwar, Rajasthan
Language and communication skills - Student Support Program	14/05/2019	200	Talent HubT Technologies Pvt. Basil Lane, San Francisco
Soft skills - Career Counselling	01/11/2018	150	Interactive Career Guidance Session by Akshay Tiwari (Working at Software Developer at Capgemini in Bangalore)
Language and communication skills - Speech Contest	24/11/2018	25	Humor and Evaluation Speech Contest by Toastmasters Club (Club No 71) College
Soft skills - Expert Lecture Program on Recent Trends in Power Electronics	13/10/2018	70	Dr. Nitin Gupta from the Electrical Engineering Department, MNIT, Jaipur by TEQIP III RTU (AT)
Language and communication skills - Workshop on Communication Skills	07/09/2018	80	Speaker- Dr. Rachna Nigam, Director Mumbai

Soft Skill - Personality Development Session	07/09/2018	60	Speaker: Ms. Meenakshi Arora, Analyst
Soft Skills - Recent Trends in Industries	08/09/2018	80	Sofcon India Pvt. Ltd. (An organization affiliated and funded by NSDC- Ministry Skill Development Entrepreneurship)
ICT/computing skills - Workshop on AUTOCAD	08/09/2018	70	Mr. Ashok Pareek, National Award winner in the field of designing in Rajasthan
Soft skills - Upcoming technology awareness	08/09/2018	80	Workshop on Electrical Design Using AutoCAD/ Solar System/ Industrial Machine Designing, / Labview/ Matlab Automation System by Sofcon India Pvt. Ltd. organization affiliated and funded by Ministry Skill Development

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5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed the competitive examination
2018	Session by Made Easy for Govt Competitive exam	79	0	
2018	Session by Zonotech Group for Govt Competitive exam	75	0	
2018	Certification Course by MSME Dept.	0	99	
2018	Pinnacle Company Specific Training by Lakshya Institute	0	93	
2018	International seminar on free education in Germany	0	103	
2018	Campus Recruitment Training by Amerigo Pvt Ltd (Aptitude, Logical Reasoning, Technical & Soft skill)	0	453	
2018	Advance Training on Free Open Source Software (FOSS) By IIT Bombay	0	338	

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5.1.4 - Institutional mechanism for transparency, timely redressal of student grievances, Prevention of harassment and ragging cases during the year

<b>Total grievances received</b>	<b>Number of grievances redressed</b>	<b>Avg. number of days for grievance redressal</b>
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20	20	3
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## 5.2 - Student Progression

### 5.2.1 - Details of campus placement during the year

On campus			Off campus	
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students placed
TCS, Aerolith, Appcino, Arden Telecom, Capgemini, Cognizant, Collabera, Consultadd, Cyntexa, Daffodil, Dot Squers, Eplanet, Genus Power, LT Infotech, Net2Source, Pinnacle, Optra Automation, Right Point India, Pinnacle Investment, Zycus, Wipro	412	168	Byjus, ICICI Prudential, IMS People, Ripples	

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### 5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined
2018	1	B.TECH	ECE	CAT (MBA)
2018	1	B.TECH	EE	Rajasthan Technical University, Kota
2018	1	B.TECH	CSE	PGDBA, Canada
2018	2	B.TECH	CSE	CAT (MBA)

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### 5.2.3 - Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	3
GRE	1
Any Other	29

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### 5.2.4 - Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level
Annual Departmental Sports Event Sparks - 2019	Institute Level
Cross-Hair Lan gaming	Institute Level

Roadies Campus Tour	Institute Level
Yoga session for 1st Year Students	Institute Level
Shradhanjali 2018- 18th National Level Technical Cultural Symposium	Institute Level
Teachers day celebration	Institute Level
Jewels-2018 (The Fresher Party)	Institute Level
Gandhi Jayanti Celebration	Institute Level
Annual Diwali Milan Program - 2018	Institute Level
Christmas Party Celebration	Institute Level

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### 5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at national level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number
2018	2nd Position	National	4	1	16EAIEE014
2018	2nd Position	National	4	Nil	15EAIEE068
2018	2nd Position	National	1	Nil	16EAIEC052
2018	2nd Position	National	1	Nil	15EAIME707
2018	Runners Up	National	Nil	1	17EAIME054
2018	1st Runners Up	National	Nil	1	16EAIEE020
2018	2nd Runners Up	National	Nil	1	14EAIEC002
2018	Runners Up	National	Nil	1	16EAIEE009
2018	Runners Up	National	Nil	1	16EAIEE010

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5.3.2 - Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The College administration firmly believes in participative working co-partnership. Students are represented in almost all the committees and associations of the College. As per the norms of the Arya Institute of Technology-Jaipur, every year students' council is constituted.

this council is periodically to plan the future activities and to activities already done in the College. Thus, the college is very responsive to the student-related activities of the College and as important to them. Following is the notice for students regarding Student Formation. The students are asked herewith through this notice to application forms by rules and regulations Student council works in between faculty and students mentors, the committee is presided by committee and other members for each vertical to ensure the participation effectiveness of this work. Student council assists in day-to-day activities at their student level. Coordination in establishing communication between students and teaching faculty. Coordination in organizing college like sports etc. Student council in Arya College take active part in conducting Industrial trips and getting students trained for placement activities such as Group discussions, extempore etc. These encourage skills and become competent managers by learning these skills. The student has the members of B.Tech 1st year , 2nd Year and 3rd Year .They are many activities which are done by involving other students and participation. They also motivate other students to take part in the conducted by the Institute like cultural activities, sports activities social service related activities. The formation of a student council college in carrying out the activities effectively and also nurture get the proper and right feedback at every time.

## 5.4 - Alumni Engagement

### 5.4.1 - Whether the institution has registered Alumni Association?

Yes

Arya Institute of Engineering and Technical -Jaipur has a registered Alumni Association named Arya AIET Alumni Association which is registered with Registrar of Societies-Jaipur -Rajasthan It is also registered as a institution with the Commissioner of Income Tax under section 12A of Tax Act, 1961 and has been granted approval for exemption under section Income Tax Act. Alumni Registration No. is RJ/970/JAIPUR/2011-12 Jaipur rejuvenating the memories of the college, a network of old students Today, it is the backbone of the institution. The institution rests history of the student's success and glory. Arya College organizes meets in college and also goes to different cities, recently college Maharashtra and conducted alumni meet on 21st Dec,2019. More than 10 took active participation. • Association regularly meets and interacts management. It is the flag bearer of the developments in the institution Alumni organizes lectures on personality development. Over the years helping in holding interactive sessions to motivate students regarding adjustments and career seeking. • The alumni also help the institution influencing industries and other agencies in getting placements feasible institution. The alumni has expanded and strengthened it with new era The alumni appear for various activities and their suggestions are taken account. Alumni day is celebrated and their achievements are recognized successful alumni are selected as guests of honor for awards. • The has a social networking page and a separate link in the website where can register and connect to share their ideas. Alumni Benefits for Personality Development Program • Career Advising ,Industry Institute Mentoring, Placement assistance ,Sponsorship ,Project Assistance for students ,Arranging seminar for students Alumni Objectives is to bring students of Arya College youth in every area to act as their representative coordinate, synchronize and promote their interest in all matters.

**5.4.2 - No. of enrolled Alumni:**

449

**5.4.3 - Alumni contribution during the year (in Rupees) :**

56000

**5.4.4 - Meetings/activities organized by Alumni Association :**

1) 11th Alumni Meeting at Arya Institute of engineering and technology August, 2018 2) Degree Distribution Ceremony for 2013-2017 Batch (M.Tech., MBA) 3) Webinar for Alumni conducted on 1st September, 2018 by Singh Ranawat from CSE 2012-16 (Software Engineer at Metacube Software, Jaipur)

**CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT****6.1 - Institutional Vision and Leadership****6.1.1 - Mention two practices of decentralization and participative management during the last year (in 100 words)**

College observes following two best practices of decentralization and participative management during last year. Decentralization in Academic Institution practices the process of Decentralization and Participative Management to ensure the participation of students, teachers and administrative staff at all levels. The success of an institution is the result of the effort combined of all participants who work towards attaining the vision of the institution at large. Starting from the Management Committee to the students, all the stakeholders ensure the role to play in building up the institution's core values. Their involvement and cooperation of management and staff members are devising and implementing decision making policies and administrative affairs through various bodies and committees have contributed to the growth of the college every year. The Institution focuses key areas of decentralization by intending equal opportunity which essentially means that every individual has an equal role to participate in the functioning of the Institution. The Institution comprises of management committee, college governing council and various committees which has been provided with specific functions to cater to the needs of the institution for the ongoing progress and development of the Institution. The Management committee takes care of infrastructure facilities which ensure the quality and the required needs of the higher education bodies to meet the goals or benchmarks of the Institution and as per requirement of the society at large. It also extends all the amenities for the teaching and non-teaching staff and students. The College Governing Council takes care of financial matters and the implementation of facilities for the institution with the criterion of the highest standard of amenities which effectively supports the teaching and research aspects. It guides and articulates the available resources and provides them freehand to the head of the Institution in order to carry out the activities to reach the expected maximum standard in turn to motivate the teaching and non-teaching faculty to work according to the common goal set. The Management committee is available in college taking care of students from the beginning of the students admission process. The process of decentralization at Arya Institute of Engineering and Technology is as follows:

Process:- The principal - The principal of Arya Institute of engineering and technology is head of committee and IQAC Committee and therefore responsible for carrying out the activities as per need and requirements by implementing various measures at different academic, student administration and related areas. The Principal manages Library committee, NSS Committee and extension activities.

annual prize distribution committee , Prospectus committee, AICTE/R Website committee, Sports and Educational tours committee at large Level- To appoint students mentors, Discipline committee and Boys and girls room secretary.

6.1.2 - Does the institution have a Management Information System (MIS)?

Yes

## 6.2 - Strategy Development and Deployment

6.2.1 - Quality improvement strategies adopted by the institution for each of the following (with details)

Strategy Type	Details
Admission of Students	Admission Committee monitors the admission process of the institution and gives admission on the guidelines given by the institute and JEE admission guidelines. Admission in college is done Both manually and Online Admission process is followed. At Arya College, The admission committee interacts with the students at the time of admission and allow them to take the subject of their interest. Prospectus and Admission forms are given to all students fixed by the college to all students who are interested in admission after fulfilling the eligibility criteria.
Industry Interaction / Collaboration	Organizing HR conclaves and HR meeting in the college is done in every two years. This enables the interaction between industry and institution. TPO visit in HR conclaves, visits to industry elders, CII, FICCI in Jaipur and other cities such as Ahmedabad etc to get the real time updates. Guest lectures by industry experts for the students have been introduced from 2nd year onwards. A student can understand the exceptions by industry from the guest lectures. Arya Conducts 50 plus on campus drives every year and has participated in a drive of centralized campus drive in the state of Rajasthan. The testimony of better ongoing Industry Interaction and collaborations. through campus hiring and placements.
Curriculum Development	The Faculty members of Arya College regularly attend the meetings of BOS for Curriculum development organized by the College. The feedbacks and value addition to the curriculum enrichment are forwarded to RTU-Kota. The Faculty members suggested to conduct a study for applying the CBCS in the curriculum from the next academic session.
Human Resource Management	Taking into account the interest and potentials of the students assigned the works of various committees of the college. Effective resource management becomes important for better implementation of available resources so the student can get best results from all available resources. Regular FDP to enrich the knowledge of the faculty knowledge is being conducted.
Library, ICT and Physical Infrastructure / Instrumentation	There is Library Advisory Committee which looks after the development of Library and enrichment of other resources. Increased the numbers of Text books, Reference Books, Journals, VCDs, in the Library E-journals are taken from INFLIBNET. Resources are provided to the students, teacher, External and outside Research scholars opting for M.Phil, Ph.D. The students preparing for competitive examinations such as UPSC, GATE etc The college has purchased computers for e resources library, Printer, Projector, TFTs and CCTV Cameras ,ICT based library resources.



	through OPAC, INFLIBNET, Computers with internet access facility.
Research and Development	Regular meetings of Research committee under research management participation are organized for promotional atmosphere in the Institution Teachers are sent to Orientation programmes, Research Workshops, Training Academic Staff college and other institutions Motivate and students for Paper presentations and participate National/International, Papers are presented and published teachers in Peer Review Journals, Non Peer Review conference proceedings both at International, National level Seminars and Conferences. Library Resources are Research Scholars, Students and Ex-students opting M.Phil Course.
Examination and Evaluation	Organizing Regular Class test, Unit test in every department mid terms and Test Exams are being conducted. Exam based on Rajasthan Technical University Pattern. Feedback submitted by students and their parents, Assignment Oral tests, Projects, IQAC committee analyses the unit and internal of students and give suggestions to improve improving the results.
Teaching and Learning	The Assignments, Class seminars, Handmade notes, Home lectures, ICT based teaching, dictations, educational function and use of Language Lab for developing soft English communication, conducting Computer Lab, Net Centre (NRC) in Library, Lectures of Renowned Scientists academicians, Parents-teachers meeting etc, the feedback in getting the understanding at institutional level

#### 6.2.2 - Implementation of e-governance in areas of operations:

E-governance area	Details
Administration	For establishment of Management Information Systems college has opted for ERP solutions which have been beneficial for both academic and administrative purposes registration by students during admissions has helped accessible student database. The system also helps save whole process reduces paper usage. Kiosks are set up to help the students in filling of these online admissions wherein the fee received (income) gets linked financial transactions.
Finance and Accounts	All the financial transactions are recorded using Tally monitored by CFO. A flash report is verified fortnightly banking facilities are used for payments for Affiliated Payment to visiting faculty, Provident fund, Online Online Payment of TDS. Students are allowed to make Digital facilities (EDC) transactions.
Student Admission and Support	<ul style="list-style-type: none"> <li>• Online registration by students during admissions create an accessible student database. The system all time and the whole process reduces paper usage. Mentor students' attendance</li> <li>• The student online database is library transactions. The new admissions are controlled centralized process named REAP/ RMAP/ CAM/ 1</li> </ul>

Examination	AIET Schedule two Mid Term examination in each semester one Re-mid Term Examination for those students who were below their result. • Computerized result analysis to generate reports which help teachers to plan remedial and additional classes for students to reduce the failures, continuous monitoring of attendance, performance and progress of the students through a digital card.
Planning and Development	Time Table for teaching is generated using ERP software at the college. Attendance of students is monitored using software using RFID card and wall mounted devices. Digital access important information/ notices given out by the college through the college website. • Keeping in mind the tech savvy nature of students, innovations have been made to use social media platforms for college activities on Instagram, Facebook and connect with college alumni using LinkedIn. • Digital Signage near the entrance of the college highlights various college activities as well as notices for students and visitors. • We have a digital auditorium that facilitates video conferencing.

### 6.3 - Faculty Empowerment Strategies

6.3.1 - Teachers provided with financial support to attend conferences / workshops and towards professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of professional body for which membership provided
2018	Mr. Abhay Purohit	International Journal on Design simulation and fabrication of single band tapped hairpin bandpass filter for airport surveillance radar application	
2018	Mr. Deepak Sharma	An Approach of Temperature control of solar furnace using PI and fuzzy logic controllers	
2018	Mr. Harshit Sharma	Theoretical investigation on Artificial Intelligence Classification ASPECTS	
2018	Mr. Himanshu Singh	A Review on low power variable gain amplifier using CMOS technology	
2018	Mr. Manish Choubisa	A review in the field of Blockchain for Blockchain System	
2018	Mr. Pankaj Kumar	Workshop calculation for 3D printer based on the Transformation matrices and direct kinematic Modeling by using screw based Extrusion	
2018	Mr. Raj Kumar Jain	Comparative analysis of different watermarking Techniques in image of Information security	
2019	Mr. Sayar	Analysis of proposed Hybrid Approach for	

	Singh Shekhawat	laplacian Edge based Image Segmentation using Morphological Image processing	
2019	Mr. Subhash Chandra Saini	Internation conference on A current based Algorithm using Gabor Winger Distribution and rule based Decision Tree for Dection of Transmission Line faults	
2019	Ms. Hemlata Panwar	Annealing Effects on properties of Se(1-X)Sbx Nano crystalline Thin Flims	

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6.3.2 - Number of professional development / administrative training programmes organized by teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Num partic (Tea st
2018	ESVC workshop	-	26/10/2018	28/10/2018	1
2018	Expert Lecture on Recent trends in the field of Power Electronics' By Nitin Gupta	-	18/10/2018	18/10/2018	4
2018	FDP on Energy Conservation and Audit	-	21/12/2018	22/12/2018	5
2018	Three Days Faculty Development Programme on RESEARCH INNOVATION IN IOT (RIIOT-2018)	-	02/11/2018	04/11/2018	6
2018	Two Days Faculty Development Programme on NBA Accreditation	-	13/11/2018	14/11/2018	8
2018	Workshop on Design and implementation of solary energy on Pvsyst	-	08/09/2018	08/09/2018	6
2018	Workshop on Short circuit studies of typical power system	-	14/09/2018	15/09/2018	3
2019	International Seminar on Scope of Technical Education in Germany	-	13/04/2019	13/04/2019	4
2019	International Seminar on Technologies Advertities and Research	-	12/02/2019	12/02/2019	4
2019	Intrnational Seminar	-	01/01/2019	01/01/2019	3

on Data base and web fronted for device Asset Tracking server Performance Graphing tools			
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6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Progr. Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	
International Seminar on Global strategic Management	64	23/01/2019	23/
National Seminar on Innovation for product development in Engineering	15	05/02/2019	07/
International Seminar on Scope of Technical Education in Germany	24	13/04/2019	13/
International Seminar on Data base and web fronted for device Asset Tracking server Performance Graphing tools	52	01/01/2019	01/
Expert Lecture on Recent Trends in power Electronics (RTPE-2018)	34	13/10/2018	13/
Three Days FDP on Research Innovation in IOT(RIIOT-2018)	37	01/11/2018	03/
Seminar on Technological Adversities Innovation	12	08/06/2019	09/
Two Days FDP on Energy Conservation Audit (ECA-218)	21	05/02/2019	07/
Two days FDP on NBA Accreditation	7	01/11/2018	03/
International Conference on Recent Engineering Trends in Community Development and Womens Participation-II	15	01/02/2019	03/

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6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	
161	161	51	

6.3.5 - Welfare schemes for

Teaching	Non-teaching
1. General Amenities • Free Transport facilities to and from their home to college. • Medical facility. • Pooled car facilities for senior staff members. 2.	1. General Amenities • Free Transport facilities to and from their home to college. • Medical

Incentives / Awards • Incentive to Faculty members based on Students Securing rank in University Examination. • Financial assistance is provided on Teacher's Day to the faculties who have secured 100 result in their respective subject. • Marriage Gift and Marriage leave with pay for 7 days. 3. List the support given for Faculty career Advancement/ Life Long Learning Special Study Leave to pursue higher studies. • Sabbatical leave (OD) for attending examination, FDP, National International Conferences. • Registration fee reimbursement for FDP/ Conferences. • For Patent filing full fees will be paid by the Institution 4. List of major Welfare facilities given to the faculty and their family members • Special Transport is arranged during festival season to the native place. • Every year Monthly Daily Sheet Calendar, Dairy and a travel bag is given to all faculty members. • All the faculties are included in Group Insurance Scheme. • Medical leave in case of hospitalization for more than 3 days. • Maternity leave for 3 months with salary for the lady teaching Nonteaching Staff members. • Research facilities are available for faculties pursuing their Ph.D. 5. List the measure taken for Faculty Work Life Balance • On emergency, transport facility arranged. • On any medical need, hospital facility is arranged. • Monthly one Casual Leave and two one-hour permission is allowed to avail. • Yearly 25 days of Vacation leave is given to faculty members. • Periodical health checkup is conducted by a team of doctors. • Yoga facilities, Gym facilities are available. • Staff members sports (indoor game, outdoor games) are conducted. • Motivation talks from the experts are conducted.

facility. 2. Incentives , Awards • Marriage Gift and Marriage leave with pay for 7 days 3. List of major Welfare facilities given to the faculty and their family members • Provident Fund contribution accounting to 12 is subscribed to all the staff members right from the day of joining. • Special Transport is arranged during festival season to the native place. • All the staff are included in Group Insurance Scheme. • Free uniform is provided • Medical leave in case of hospitalization for more than 3 days. 4. List the measure taken for Faculty Work Life Balance • On emergency, transport facility arranged. • On any medical need, hospital facility is arranged. • Monthly one Casual Leave and two one-hour permission is allowed to avail. • Yearly 20 days of Vacation leave is given. • Periodical health checkup is conducted by a team of doctors. • Yoga facilities, Gym facilities are available • Staff members sports (indoor game, outdoor games) are conducted.

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words ea

Arya Institute of Engineering and Technology- Jaipur has established for conducting internal and external audits on the financial trans year to ensure financial compliance and transparency. The Intern conducted every 6 months by the internal financial committee of th with involvement of management and C.A of the college. The committ verifies the income and expenditure details and the compliance repo audit is submitted to the management of the institution through th External audits are conducted once every year by an external aq

mechanisms used in Arya College to monitor effective and efficient financial resources are as below: Before the commencement of every year the principal submits a proposal on budget allocation, by considering recommendations made by the heads of all the departments, to the College budget includes recurring expenses such as salary, electric charges, maintenance cost, stationery, other consumable charges etc. recurring expenses like lab equipment purchases, furniture and other expenses. The expenses will be monitored by the accounts department budget allocated by the management. The depreciation costs of various purchased in the preceding years are also worked out. Process of audit: All vouchers are audited by an internal financial committee yearly basis. The expenses incurred under different heads are thorough by verifying the bills and vouchers. If any discrepancy is found, brought to the notice of the principal. The same process is being followed last year.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in
ENGINEERS ACADEMY	15000

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6.4.3 - Total corpus fund generated

85100

## 6.5 - Internal Quality Assurance System

6.5.1 - Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal
	Yes/No	Agency	
Academic	Yes	CSRC India	Yes
Administrative	Yes	CSRC India	Yes

6.5.2 - Activities and support from the Parent - Teacher Association (at least three)

- Parent - Teacher Association (PTA) arranged a function to welcome students and their parents on the day of commencement of the first year induction program.
- Slow and advanced learners in different departments identified and parent teacher interaction is arranged to improve the slow learners.
- The mentors have constant interaction with the parents regarding their wards curricular and cocurricular activities.
- Regular meetings arranged with mentors based on the performance of their wards.
- Students regularly take part in various National level competitions such as Innovation idea etc., Parents are extending and also encouraging the participation in such events.
- Parents are contributing and supporting the Institution in Tree planting and other social activities.

6.5.3 - Development programmes for support staff (at least three)

- Skill development program on Computer skill development Regular programs were arranged to nurture the Interpersonal skills.
- Training for the supporting staff was organized in the areas such as fire safe management.
- Programs have been conducted in the area of maintenance

facilities available in the Institution. Need for the road safety demonstrated to the staff.

#### 6.5.4 - Post Accreditation initiative(s) (mention at least three)

• Resource mobilization from Government Industry: Applied for sponsorships in DST, MHRD, and MSME. Center of MSME HI/BI is allotted by MSME on this on the basis of research facilities provided in the campus. Faculty and students' members to participate in Paper Presentation and to attend in Faculty Development programs, Webinars, workshops benefited. • Special classes for slow learners and advance learners with different remedial classes including assignments, unit tests and improve the knowledge and learning of such students. • Applied for Excellence in Artificial Intelligence Robotics at Rajasthan Technological -Product Development and Consultancy to Industries for their specific in the field of Artificial Intelligence and Robotics. • RD in Product with increasing Artificial Intelligence Content and Understanding. Development of Artificial Intelligence and Machine Learning Based Create New Vertical of Startup Innovation in the field of Artificial Robotics, Automation, Medical Engineering, Agriculture, Chat Bot (Digital Marketing) etc. • Invite Research Scholars for the Research the Program of Train the Trainer (ToT) of RTU Affiliated Various Colleges up with the industries to meet the Industrial Level Technologies, Various Govt. RD departments and Organization like DST, DRDO, I gradation and better utilization of RTU Centre of Excellence

#### 6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal

b) Participation in NIRF

c) ISO certification

d) NBA or any other quality audit

#### 6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To
2018	IQAC Meeting No. One	23/07/2018	19/07/2018	23/07
2018	To review if the quality of academic curriculum, teaching methodology and other co curricular and extracurricular activities commensurate with Vision, Mission and quality policy of the institute	23/07/2018	19/07/2018	23/07
2018	Assessment of Attainment of Course Outcomes for even Semester 2017-18	23/07/2018	19/07/2018	23/07
2018	To examine and take remedial measures if any for the feedback received from all stake holders i.e. Students, Alumni, Employers and parents	23/07/2018	19/07/2018	23/07
2019	Review of Placement of Students and Support in Career services.	03/01/2019	24/12/2018	03/01

2019	Review of academic results of 2017-18 and action plan for improvement for 2018-19	03/01/2019	24/12/2018	03/01
2019	Submission of QIV parameters for Rank Assessment by RTU for AY 2019-20	03/01/2019	24/12/2018	03/01
2019	To decide the mode of ensuring the credibility of teaching-learning, its evaluation and outcome procedures through regular but internal academic, administrative audits on annual basis.	03/01/2019	24/12/2018	03/01
2019	Identify best practices in AIET and promote the activities for securing excellence and Review of various departmental activities.	03/01/2019	24/12/2018	03/01

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## CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

#### 7.1.1 - Gender Equity (Number of gender equity promotion programmes organized by the institu

Title of the programme	Period from	Period To
Women Achievers Awards and Women Day Celebration	08/03/2019	08/03/2019
Women Bicycle Rally	08/03/2019	08/03/2019
International Day of Girls Child	12/10/2018	12/10/2018
Poster Making Competition on "Challenges in Women Life"	13/08/2018	13/08/2018
Social activity on Women Empowerment	26/07/2018	26/07/2018
Arya Girls Scholarship Scheme	02/07/2018	31/08/2018

#### 7.1.2 - Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

##### Percentage of power requirement of the University met by the renewable energy

Environment and its sustainability area are a big concern today environment and sustainability workshops and programs are organized. Emphasis is given on the development of ecofriendly measures. Students are taught about the Ecosystem, Natural Resources, Biodiversity and types of both perishable and nonperishable how to manage, conserve. Recycle that they are very well aware of the environmental issues. Renewable energy by solar panels is available on rooftop with the capacity 308.75 fans, tube lights, network switches and computer appliances are operated by solar energy. Percentage of power requirement of the College met by renewable energy sources is more than 60. Efforts made by the institution are as follows: programs initiated by NSS • Using solar vehicles on the campus. • plant powering the campus. • Campus emphasis on the need for energy For this LED bulb manufacturing unit has • been set-up in Campus where administration and hostel buildings. • Power correction factor equi



for optimum utilization of energy. • Regular tree plantation • Sw  
 Campaigns • Biogas plant • Compost machine to produce manure from ki  
 Plastic-free campus • Environmental science and engineering course •  
 Ltrs /Annum of recycling wastewater. • Rainwater harvesti

### 7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of b
Physical facilities	Yes	(
Provision for lift	Yes	(
Ramp/Rails	Yes	(
Braille Software/facilities	Yes	(
Rest Rooms	Yes	(
Scribes for examination	Yes	(

### 7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addre
2018	1	Nil	24/01/2018	1	Rashtriya Balika Diwas	Informat about t changir gender ra in the cou Girl educa
2018	1	Nil	26/06/2018	1	Women Empowerment	Early marr
2018	1	1	02/06/2018	60	Arya Girls Scholarship Scheme	Violence school Child/dome labour
2018	1	1	15/08/2018	1	Swacch Bharat	Building more pub toilets S waste manageme program
2018	1	1	15/10/2018	1	Mid Day Meal	Providi: supplement nutriti items t childre
2018	1	Nil	01/12/2018	1	AIDS DAY AWARENESS Programme	Fight aga HIV Supp for peop

						living w HIV
2019	1	1	01/01/2019	1	Book and Cloth Distribution to Underprivileged Children's	Literacy educator poor rur familie
2019	1	1	26/01/2019	1	Swachhta Abhiyan	Building more pub toilets S waste managem program
2019	1	1	05/06/2019	1	NSS Cell- Tree Plantation	Selection plantatio Trees Tur the soil raking leaves
2019	1	Nil	21/06/2019	1	Celebration of International Yoga Day	Proudl promote invaluak gift o India' ancien traditi

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#### 7.1.5 - Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Ethics and Code of Conduct	02/07/2018	In our college various activities are carried out to instill values in students to build social responsibility. Events like International Women's Day, Swachh Abhiyan, Blood Donation Camp, International Students always follow the dress code and order. Also Discipline committee consisting of senior students and his/her team of teachers who supervises and maintains the overall conduct of the students.
Handbook on Human Values and Professional Ethics	02/07/2018	Focus on: 1. Right Conduct 2. Communal Harmony 3. Truth 4. Love 5. Nonviolence 6. Discipline 7. Morality 8. Respect

#### 7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To
Voting Awareness Program by RJ Kartik	27/04/2019	27/04/2019
Ambedkar Jayanti	14/04/2019	14/04/2019

Independence Day	15/08/2018	15/08/2018
Help Wall: Rotaract Club Arya	31/07/2018	31/07/2018
Book and Cloth Distribution to Underprivileged Children's	01/01/2019	01/01/2019
Republic Day	26/01/2019	26/01/2019

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### 7.1.7 - Initiatives taken by the institution to make the campus eco-friendly (at least five)

Sewerage Treatment Plant
Solar Plant
Tree Plantation
Bio Gas Plant
Campus Cleaning under Swacch Bharat Mission
Plastic Free Environment

## 7.2 - Best Practices

### 7.2.1 - Describe at least two institutional best practices

1. Mechatronics lab in the campus as beyond the syllabus. As technology and electronics and computer science play a more and more important role in modern systems, so that the mechanical engineering education must be comprehensive, including an increasing number of courses from the above-mentioned domains. The development of mechanical engineering in an interdisciplinary direction led to the introduction of "Mechatronics" as a study domain as absolutely necessary. Mechatronics is a multi-faceted field that combines several types of technology (mechanical, computer, and electrical) with machining, robotics, and automation technology. The goal of Mechatronics lab is to identify and manage resources and smart machines that can improve manufacturing operations. Mechatronics is a recently developed field, designed to meet the needs of our advanced manufacturing industry. It started as a way to integrate pieces of different systems (such as hydraulics and pneumatics) with computerized control systems. Mechatronics quickly became essential to modern manufacturing processes. Today, the demand for high-quality goods - ones made with precision and accuracy in a short time, there is a need to improve production, through automation and robotics to help reduce emissions and costs. We have the Following Trainers Kit for Mechatronics Trainer:- This trainer is suitable for the teaching and learning of various courses such as electromechanical equipment installation and maintenance, mechatronics technology application, electric operation and maintenance, electrical technology application, PLC technology and so on. Practical Outcomes: Automatic detection technology application • Pneumatic technology application • Programmable logic controller programming • Electrical control circuit design • Frequency converter application • Automatic control technology application • Mechanical system installation and debugging • System maintenance and troubleshooting Manipulator System Trainer:- This trainer is mainly used for powder coating metal frame, PLC module, mechanical structure, control system and so on. The manipulator adopted is coordinate type, with four degrees of freedom, that is, horizontal movement, vertical movement, manipulator rotation and paw rotation Practical Outcomes • Sensor technology application • Mechatronics technology application • Programmable logic controller technology application • System maintenance and fault detection training • Automatic control

training • Mechanical system installation and debugging • Electrical circuit training Portable Basic Pneumatics Training Kit -: The port principle trainer is designed for common courses such as pneumatic technology', 'hydraulic and pneumatic transmission. • Understanding components structure, signal and functions • Reversing loop of push controlled single acting cylinder • Speed control loop of single act Manual controlled reversing loop of hand directional valve • Pneumatic reversing loop of hand directional valve • Speed control loop of cylinder • Speed control loop of throttle valve • Sequential loop of

- Reversing loop of OR gate valve controlled single acting cylinder controlled unloading loop • Push button valve controlled double acting loop • Reducing valve controlled pressure-relief loop • Two hands single acting cylinder reversing loop • Disassembly and assembly directional valve

2. Advance Robotics AI lab in college that is syllabus Arya Institute of Engineering Technology also set a robotic institute campus. It is important for all branches like The Body Engineering - This branch of engineering looks at the physical system up a robot. Subtopics like mechanics, materials engineering and manufacturing core to industrial robotics. Often mechanical engineering course specialization in mechatronics or robotics but will be focused more design and actuation. • The Nervous System - Electrical and Electronics - This branch of engineering gives a basis in electronics, embedded level programming, and control theory. Often electrical engineering also provide specializations in robotics or automation, which will be the control of robots rather than the mechanical design. • The Brain Science - A lot of people in research seem to enter robotics through science. This trend is likely to continue as standard robotic hardware become the norm. Common platforms remove the research focus from hardware and instead concentrate on software and high-level programming these courses will include robotic programming topics such as AI Intelligence and Software Design. It is usually at this level of people with a background in psychology and related fields can enter a postgraduate Masters course.

Upload details of two best practices successfully implemented by the institution as per NAAC institution website, provide the link

<https://www.aryainstitutejpr.com/bestpractices.pdf>

### 7.3 - Institutional Distinctiveness

7.3.1 - Provide the details of the performance of the institution in one area distinctive to its vision thrust in not more than 500 words

Through proper planning and strategies, the institution focuses at its best ability the vision of the college. The major area is to up skill the youth so that the final placement can be attained through system of education" and it is becoming more vocal in present times important initiatives taken at the institution towards skill-based the establishment of the Student development Cell which is offering 1st year onwards to final year of engineering. The college is one institutions in the district offering employment oriented skill programmes through internal technical training which are accordance and core branches like Civil and mechanical streams. The establish two training verticals like Campus Recruitment Training programme development cell and another is Robotics and establishment of AI college was a much needed initiative to equip the students for their

a distinctive vision to impact the society, the centres provide 1 skills for immediate employment. The college aims at creating a ha for the students to develop their hobbies and achieve success in 1 centres are steps towards facilitating the students with the requir experience and exposure to pursue their dreams with gainful employ skills gained, the student becomes more determined and confident i future. Although institutional performance in an area distinctive and priority of the institution are many such as world class educat the one in need, technical advancements, carrier guidance, creating international exposure, training individuals for profession, re experimentation in science and technology, sports activities. T institutional performance worth mentioning are the continuous effi institution in field of research in science and technology relate institution began as an Engineering institution so serving tech contributing to it is the major thrust of the institutional visior known for its research endeavors amongst students and facul

Provide the weblink of the institution

<http://www.aryainstitutejpr.com>

### 8.Future Plans of Actions for Next Academic Year

1. To Create the "Center of Excellence", "Skills Development Centre" Incubation Centre. 2. To Collaborate with industries, institutions a universities inside and outside India for joint research and continu 3. To Increase opportunities for internships and trainings in the in to unavailability of good industrial setup for core branches. 4. To Academic Results and Placements. 5. To provide better Support and Ex Attention and better understanding of COs-POs to students and facult improve attainment levels. 6. To Moderate procurement of funding sch AICTE/DST/MHRD etc. 7. To Encourage faculty members for Publication journals and participate in different platforms of the government in workshops sponsored by the Government. 8. To Prepare the students by ecosystem of nurturing their ideas, hand holding their knowledge and them for setting up their own startup and enterprises. 9. To attract professors with Ph.D Degrees and Research Scholars for imparting kno training to the students. 10. The regulation of the fees by the Govt challenge of developing new age technical infrastructure as well as property.