



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

1. Name of the Institution	ARYAN INSTITUTE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Prof. (Dr) Sudhansu Sekhar Khuntia
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	06742377100
Mobile no.	9437087346
Registered Email	aryan.edu23@gmail.com
Alternate Email	principal@aryan.ac.in
Address	At-Barakuda, PO-Panchagaon, Bhubaneswar
City/Town	Bhubaneswar
State/UT	Orissa
Pincode	752050

<b>2. Institutional Status</b>																			
Affiliated / Constituent			Affiliated																
Type of Institution			Co-education																
Location			Rural																
Financial Status			Self financed																
Name of the IQAC co-ordinator/Director			Mr. Sudhir Kumar Sahu																
Phone no/Alternate Phone no.			06742377100																
Mobile no.			9437749474																
Registered Email			aryan.edu23@gmail.com																
Alternate Email			iqacaiet@gmail.com																
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)			<a href="https://aryan.ac.in/pdf/AQAR-16-17.pdf">https://aryan.ac.in/pdf/AQAR-16-17.pdf</a>																
<b>4. Whether Academic Calendar prepared during the year</b>			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			<a href="https://www.bput.ac.in/academic-calendar.html">https://www.bput.ac.in/academic-calendar.html</a>																
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B+</td> <td>2.62</td> <td>2017</td> <td>23-Jan-2017</td> <td>22-Jan-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B+	2.62	2017	23-Jan-2017	22-Jan-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B+	2.62	2017	23-Jan-2017	22-Jan-2022														
<b>6. Date of Establishment of IQAC</b>			30-Jan-2015																
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td>Updating of e- governance</td> <td>21-Aug-2017</td> <td>1200</td> </tr> </tbody> </table>						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	Updating of e- governance	21-Aug-2017	1200					
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Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																	
Updating of e- governance	21-Aug-2017	1200																	

system in different areas	10	
Modernization of Training & Placement Cell.	03-Oct-2017 12	800
Implementation of Peer teaching methodology in class room teaching Learning process.	20-Nov-2017 2	485
Annual Academic Audit by engaging external agencies in addition to internal academic audit.	26-Feb-2018 10	12
<a href="#">View File</a>		

**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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	6
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
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>	No

<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>
Parents and Teachers meeting on regular interval to strengthen the students' academic progression.
Arranged seminars for the faculties and students to enhance knowledge and entrepreneurship development.
Conducted awareness programmes under Sansad Adarsh Gram Yojana of AICTE with the help NSS /NCC unit of AIET to stop the school dropout ratio,Swachh Bharat Abhiyan

and tree plantation in nearby villages.

Conducted remedial classes and bridge classes for academically weaker students.

Obtained feedback from students on teachers.

[View File](#)

**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
Strengthening library facility	Augmented.
Grievance Redressal	All grievances redressed
Website upgradation	All the stakeholders get the information about the institution online
Holding seminars and workshops	Organized seminars and workshops by involving experts from industry and outside institutions.
Interaction with Stakeholders	Feedback from alumni, parents, industry, received, analysed and action taken.
Industrial visits study tours	Conducted for senior students.
<a href="#">View File</a>	

**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Management	20-Dec-2018

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

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2020

Date of Submission

29-Jun-2020

**17. Does the Institution have Management Information System ?**

Yes

<p>If yes, give a brief description and a list of modules currently operational (maximum 500 words)</p>	<p>Aryan Institute of Engineering Technology, an ERP system is implemented through various Modules to integrate Institute wide information covering all functional areas. The Institute Management System (IMS) module of the institute currently covers the following functions: Student Administration, Fee Management Module , Daily Expenses Management Software, Attendance Leave Management, Human Resource Management, Examination Management, Library Management and Transport Management. Details of the ERP This module has academic year wise class lists, alumni list, and student's profile etc. This module also has Fees module different ledgers of fees which we can create and can allocate to students class wise, so that students can pay fees online and after payment they get receipt for their paid fees. This module contains the students attendance where subject teacher adds attendance of student for his/her lecture and can maintain the online record of attendance of his/her theory class or practical, also assignment can be assigned to group of student's or whole class by the subject teacher, class teacher's can take monthly attendance report of class and can send SMS to parents who have less attendance for that particular month. In this, staff details like staffs appointments, joining of staffs and other details can be viewed. This gives information about due books, books transactions details and total number of titles and volumes of library etc. Through this SMS can sent to the student's parents, other staff members of college and to those to whom to communicate. All alumni data and information is available in this module. Hostel wise student list and details of hostels, student's attendance in hostels is available in this module. University result of students can be stored and sent through SMS to parent's in this module.</p>
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## 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. Explain in 500

As an affiliated College, the Institution follows curriculum provided by its affiliating university, Biju Patnaik University of Technology. Courses of the curriculum are allocated to faculties based on their field of expertise and interest well before the starting of the semester by the Head of the Departments. Apart from this the institute conducts a meeting with Internal and external experts from academia and experts from Industry and Alumni periodically for enriching the curriculum by providing industry-oriented courses apart from curriculum. The prerequisite, course outcomes and programme outcome mapping, books to be referred, methods of instructional delivery are documented by concerned subject faculty and this road map is approved by the Head of the Departments before the starting of the semester. Course handling faculties are provided with the responsibility of framing the lecture plan of delivery, preparation of lecture notes for all topics as in the curriculum, devising the assignment topics and tutorial problems which are required to be approved by the Head of the department and Principal before the commencement of the semester. At the starting of the course, faculties are required to highlight course objectives, outcomes of the course, contents of each unit and its applications in the related domain to the students. In addition to traditional teaching methods, video lectures, NPTEL lectures, PowerPoint presentations, projects, case studies etc are being conducted from time to time. The institute has its own teaching strategy to promote value-based teaching learning system to increase competency levels of students to match the changing needs of industry and society. The mechanism adopted for evaluating the performance of teachers is through feed-back from various stakeholders, the prime source being the same from students & parents. The institute has a system for assessing the knowledge and skills for particular programs. Besides teaching, group discussions, tutorials, class tests, assignments, surprise tests, remedial and bridge classes, seminars, debates, field studies, study tours etc. are conducted to enrich the quality of teaching.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
BIG DATA	NA	19/12/2017	24	Employability	Yes
Mastering Shear force and Bending Moment diagrams using ETABS	NA	21/12/2017	24	Employability	Yes
Design of Composite Structures	NA	09/01/2018	24	Employability	Yes
Project Management in Primavera P6	NA	09/01/2018	25	Employability	Yes
Industrial Automation Control	NA	11/09/2017	25	Employability	Yes
Reliability	NA	11/09/2017	20	Employability	Yes

	of Power System					
	E-CAD	NA	18/09/2017	20	Employability	Yes
	Design of Electrical Apparatus	NA	25/09/2017	24	Employability	Yes
	Energy Management Audit	NA	25/09/2017	20	Employability	Yes
	PCB DESIGN	NA	23/10/2017	25	Employability	Yes
	OPTICAL NETWORK	NA	23/10/2017	25	Employability	Yes
	Programming in MAT LAB	NA	04/11/2019	20	Employability	Yes
	COGNITIVE WIRELESS NETWORKS	NA	06/11/2017	25	Employability	Yes
	WIRELESS BODY AREA NETWORK	NA	06/11/2017	24	Employability	Yes
	2D Design using AutoCAD	NA	09/11/2017	20	Employability	Yes
	Design using CATIA	NA	13/11/2017	25	Employability	Yes
	CREO	NA	13/11/2017	24	Employability	Yes
	Design using Solid works	NA	16/08/2017	20	Employability	Yes
	Design Using CAM	NA	16/08/2017	24	Employability	Yes
	CNC Milling	NA	16/08/2017	25	Employability	Yes
	Introduction to Electro Chemistry	NA	21/08/2017	20	Employability	Yes
	Solid State Physics	NA	21/08/2017	25	Employability	Yes
	Introduction to Electro Chemistry	NA	21/08/2017	20	Employability	Yes
	Solid State	NA	11/09/2017	20	Employability	Yes

Physics					
3D Animation	NA	11/09/2017	24	Employability	Yes
Programing in PHP My SQL	NA	27/11/2017	20	Employability	Yes
Graphics Designing	NA	27/11/2017	25	Employability	Yes
Software Testing	NA	12/12/2017	25	Employability	Yes
Cyber Law	NA	19/12/2017	25	Employability	Yes

## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
No file uploaded.		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
Number of Students	1410	0

## 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 Enrolled
Industrial Automation Control	18/09/2017	100
Circuit Analysis	11/09/2017	100
E-CAD	10/07/2017	117
Design of Electrical Apparatus	15/12/2017	123
Energy Management Audit	05/01/2018	96
<a href="#">View File</a>		

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

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	379
BTech	Computer Science	164
BTech	Mechanical Engineering	326



BTech	Electrical Engineering	146
BTech	Electrical & Electronics Engineering	125
BTech	Electronics & Communication Engineering	59
Mtech	Structural Engineering	14
No file uploaded.		

#### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

Feedback Obtained
<p>1.Student feedback: Student feedback on the teaching and learning process is collected both verbally and through college management software two times in each semester and analysed by HOD and principal. The suggestions provided by students are given due weightage for correcting the methods. Student feedback on academics in the student representative meeting are addressed by the Principal. Also feedback is obtained at the end of the semester from students on the teaching process of the course handling faculty and any deviation observed, the concerned faculty is advised to improve on their performance by the Head of the department. 2.Exit survey: This survey is obtained from the students at the end of the programme. The feedback is basically for checking the attainment of the program outcomes of all the students are analysed and attainment score for each programme outcome is analysed and score of each programme outcome and overall programme outcome attainment score. Corrective measure are taken for deviation in attainment score 3. Alumni Feedback: This Feedback is obtained from the alumni from time to time for knowing the attainment of programme educational objectives, programme specific out comes and programme outcomes and are analysed and corrective actions are taken if required. 4. Employer Feedback: This is obtained from the employers by the placement cell for understanding the requirements of industry, placement cell and the concerned departments are taking corrective measures based on the feedback obtained from the employers. 5. Parent Feedback: This feedback is obtained from the parents periodically for understanding their satisfaction level in teaching learning process, other facilities available in the campus etc. All the feedback are analysed both in the department meetings and institute level. 6. Teachers Feedback: Teachers feedback on students performance is obtained through mentor/ mentee system and TI PI system.</p>

#### 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 Application received	Students Enrolled

BTech	Civil Engineering	120	122	112
BTech	Computer Science & Engineering	60	66	60
BTech	Mechanical Engineering	120	126	117
BTech	Electrical Engineering	60	64	56
BTech	Electrical and Electronics Engineering	60	49	44
BTech	Electronics and Communication Engineering	60	20	16
Mtech	Structural Engineering	30	15	12
No file uploaded.				

## 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	Number of teachers teaching both UG and PG courses
2017	1622	19	116	6	4

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning 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	E-resources and techniques used
126	84	8	15	6	3
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

<p>There is a mentoring system in place in the college to take care of the interests of all the students on rolls. The mentors provide professional guidance and tactical support for Entrepreneurship including its procedures, statutory requirements, Licensing needs, potential areas for SMEs etc. The mentor coordinates with the college authorities to invite industry professionals, experts from bank financial institutions, Govt. agencies for one-to-one interaction with the students. He also coordinates with the authorities for Industrial Visits and Internships to familiarize students with Industrial Work scenario. Awareness and support are provided to students relating to GATE, GRE, CAT, ISRO, Defense Services, DRDO, BARC, and other Govt. PSUs examinations.</p>		
Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio

1641	126	1:13
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## 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	No. of faculty with Ph.D
126	126	0	4	30

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, 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, received from Government or recognized bodies
2017	Amiya Kumar Sahoo	Associate Professor	Best Scientific Innovation
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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 during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	UG01	1/1, 3/2, 5/3, 7/4	11/12/2017	29/01/2018
BTech	UG02	1/1, 3/2, 5/3, 7/4	11/12/2017	29/01/2018
BTech	UG03	1/1, 3/2, 5/3, 7/4	11/12/2017	29/01/2018
BTech	UG04	1/1, 3/2, 5/3, 7/4	11/12/2017	29/01/2018
BTech	UG05	1/1, 3/2, 5/3, 7/4	11/12/2017	29/01/2018
<a href="#">View File</a>				

### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

At the beginning of the academic session students were oriented about the continuous internal evaluation. They were informed how much they should obtain in order to be eligible for the end term examination. As per the needs of fulfillment, the College laid equal importance of the performance of the students in every categories of the assessment. According to the convenience of the concerned teacher Class tests are conducted regularly. Students who are found to be exceptionally weak are given special attention and are made to reappear the same test until they could improve. Assignments, Seminars and Project Works are another major evaluation wherein students are made to perform either individually or in group.

### 2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Internal and External examinations are being conducted as per the BPUT Academic

**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://aryan.ac.in/AQAR2017-18/2.6.1>

**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 year examination	Pass Percentage
PG 01	Mtech	Structural Engineering	7	7	100.00
UG 06	BTech	Electronics & Communication Engineering	14	14	100
UG 05	BTech	Electrical & Electronics Engineering	36	36	100
UG 04	BTech	Electrical Engineering	53	53	100
UG 03	BTech	Mechanical Engineering	116	112	96.55
UG 02	BTech	Computer Science & Engineering	15	14	93.33
UG 01	BTech	Civil Engineering	43	43	100
No file uploaded.					

**2.7 – Student Satisfaction Survey**

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://aryan.ac.in/AQAR2017-18/2.7.1>

**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 organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	360	Biju Patnaik University of Technology	3.8	3.8
Students Research Projects (Other	270	ARYAN INFRA PROJECT LTD	2.9	2.9

than compulsory by the University)				
Students Research Projects (Other than compulsory by the University)	300	CITICON ENGINEERS LTD	3.5	3.5
Students Research Projects (Other than compulsory by the University)	360	ARYAN INFRA PROJECT LTD	3.6	3.6
Students Research Projects (Other than compulsory by the University)	300	R ENERGY SOLUTIONS	3.1	3.1
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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
National Seminar On IPR Policy	CIVIL ENGINEERING	20/03/2018
National Seminar on Intellectual property rights	ELECTRICAL ENGINEERING	22/05/2018
National Conference on How To Start A Business In College With No Money?	ELECTRONICS COMM ENGINEERING	17/07/2017
National Conference on Business Start-Up guide for Students	ELECT ELECTRONICS ENGINEERING	17/08/2017
National Conference on power an intrapreneurial mindset	ELECTRICAL ENGINEERING	08/08/2017
Workshop on National and International Patent Filing	CIVIL ENGINEERING	08/01/2018
National Seminar On Effects of Piracy and Counter Fitting	MECHANICAL ENGINEERING	12/02/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Certificate of Appreciation	Mr. Aditya Prasad Das	Citicon Engineers Ltd	12/02/2018	Mentoring Project

for Mentoring Project				
Best Faculty Advisor Award	Prof. Amiya Kumar Sahoo	IEI	14/11/2017	Best Faculty Advisor Award
No file uploaded.				

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NA	NA	NA	NA	NA	01/01/2018
No file uploaded.					

### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
15	10	7

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

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Basic Science Humanities	9	2.11
International	Civil Engineering	5	2.11
International	Computer Science Engineering	8	2.11
International	Electrical Electronics Engineering	3	2.11
International	Electronics and Communication Engineering	3	2.11
<a href="#">View File</a>			

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

Department	Number of Publication
Structural Engineering	5
Electronics Communication Engineering	23
Electrical Electronics Engineering	21
Electrical Engineering	17
Mechanical Engineering	57
Computer Science Engineering	38
Civil Engineering	32

No file uploaded.

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Jamming attack detection in a pair of RF communicating vehicles using supervised machine learning	Santosh Kumar Sharma, Jharana Das Adhikari, Jhalaka Hota	IJRES	2017	2	AIET, Bhubaneswar	5
Lifshitz transition : Fe by intuition of Se	Bikash Mohapatra, Samaresmi shra, Bhavesh Kumar Dadhich, Nilambari Panda	IJRES	2017	2	AIET, Bhubaneswar	5
Medium Access Control in a Network of Ad Hoc Mobile Nodes with Heterogeneous Power Capabilities	Pravat Routray, Nirupama Tripathy, Radha Mohan Acharya, Ipsit Joshi	IJRES	2017	2	AIET, Bhubaneswar	5
Preparation of Nickel Nanoparticles by Intramolecular Reaction of Nickel (II) Hydrazine Complex in the Solid State at Room Temperature	Rabi Panigrahi, Muktanjali Mishra, Sanjaya Kumar Mahapatra, Shubhangi Gopalrao Patil	IJRES	2017	2	AIET, Bhubaneswar	5
Detection	Pragyan Paramita	IJRES	2017	2	AIET, Bhubaneswar	5

from the digitized X-ray mammograms based on the deep active learning	Swain, Anil Kumar Dagar, Flora Das, Kailash Chandra Rout					
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[View File](#)

### 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	Institutional affiliation as mentioned in the publication
Performance Analysis of a ZVS Parallel Quasi Resonant Converter for a Solar Based Induction Cooking System	Sanjeev Kumar Mishra	IJRES	2017	2	5	AIET, Bhubaneswar
Simulation of Cycloconverter Fed Split Phase Induction Motor	Ipsita Pahi	IJRES	2017	2	5	AIET, Bhubaneswar
Premium Oriented Language Teaching and Learning through Integration of Skills	A Manisha	IJRES	2017	2	5	AIET, Bhubaneswar
Investigation of Mechanical Properties of Aluminium Silicon Carbide Hybride Metal	Jagdish Pradhan	IJRES	2017	2	5	AIET, Bhubaneswar



Matrix Composite (Mmcs)						
A Design of Single Phase Bridge Full-wave Rectifier	Ipsita Pahi	IJRES	2017	2	5	AIET, Bhubaneswar
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	78	86	12	10
Presented papers	76	82	8	6
Resource persons	8	7	7	4
No file uploaded.				

### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Pre Republic Day Camp( Pre-RDC)	NSS UNIT, AIET, Bhubaneswar	5	15
Swachh Bharat Abhiyan	4(O) CTC CUTTACK ARMY WING	5	60
AIDS awareness	NSS UNIT, AIET, Bhubaneswar	7	30
Gender Sensitization	WOMEN CELL AIET	8	15
Basic leadership Camp ( BLC)	NSS UNIT, AIET, Bhubaneswar	12	27
No file uploaded.			

#### 3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Participating in save water rally	Participating certificate	N.C.C	174
Swaachh bharat abhiyaan	1st position	B.M.C ,B.B.S.R	126
<a href="#">View File</a>			

#### 3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations 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 activities	Number of students participated in such activities
Leprosy: treatable	4(O) MED CUTTACK	Anti Leprosy Drive	25	125
Sakhyara	NSS, Aryan	Adult-education rally	32	132
Every Drop matters	NSS, Aryan	Blood donation awarress Camp	26	97
No Dowry Campaign	Women Cell, Aryan	Anti Dowry Rally	45	128
AIDS Awareness Rally	4(O) MED CUTTACK	Visit to Old Age Homes	25	138
<a href="#">View File</a>				

### 3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Faculty Exchange	1	SELF	7
Internship	63	SELF	30
Seminar	132	SELF	3
Student Exchange	142	SELF	3
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research 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	Duration To	Participant
Industrial training	Industrial training	Silan Technology	01/02/2018	28/02/2018	30
Faculty exchange	Faculty exchange	Gandhi Institute of Engg Technology, Baniatangi	07/12/2017	13/12/2017	32
Student exchange	Student exchange	Mahavir Institute of Engineering and Technology, Bhubaneswar	08/01/2018	13/01/2018	51
Faculty exchange	Faculty exchange	Capital Engineering College,	16/04/2018	21/04/2018	33

		Bhubaneswar			
Joint conference	Joint conference	GIFT Bhubaneswar	17/08/2017	19/08/2017	43
Student exchange	Student exchange	NM Institute of Engineering Technology, Bhubaneswar	13/11/2017	27/11/2017	43
Collaborative research	Collaborative research	Citicon Engineers ltd	01/09/2017	01/12/2017	39
Internship	Internship	Oltron technology	01/03/2018	30/03/2018	37
Joint project	Joint project	Aryan infra projects limited	15/07/2017	15/01/2018	27
No file uploaded.					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
CITICON ENGINEERS	15/11/2017	Internship and Placement	50
ARYAN INFRA PROJECTS	20/12/2017	Exchange of Technology Project	64
OLTRON TECHNOLOGY	09/01/2018	Exchange of Technology Project	72
SILAN TECHNOLOGY	25/01/2018	Exchange of Technology Project	47
EDUBRIDGE	12/02/2018	Content Development	63
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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 development
120	120.36

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added

Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
No file uploaded.	

#### 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 patially)	Version	Year of automation
KOHA	Fully	18.11	2016

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	11160	4464000	1150	460000	12310	4924000
Reference Books	2075	488750	165	70125	2240	558875
e-Books	10263	96512	856	10258	11119	106770
Journals	45	218587	4	28564	49	247151
e-Journals	48	60580	15	27650	63	88230
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##### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
JAGDISH PRADHAN	FMHM	IMS (Institute Management System)	03/08/2018
STHITIPRAJANYA SATPATHY	TRAFFIC ENGINEERING	IMS (Institute Management System)	06/02/2018
KISAN PRAYAG PATRO	CORE JAVA	IMS (Institute Management System)	13/02/2018
NILAMBARI PANDA	ADVANCED MATH	IMS (Institute Management System)	19/02/2018
ARAVINDA MAHAPATRA	NT	IMS (Institute Management System)	26/02/2018
No file uploaded.			

#### 4.3 – IT Infrastructure

#### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	300	2	1	1	1	1	7	32	0
Added	50	1	0	0	0	0	0	16	0
Total	350	3	1	1	1	1	7	48	0

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

48 MBPS/ GBPS
---------------

#### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
IMS (Institute Management System)	<a href="https://cms.aryan.cloud/">https://cms.aryan.cloud/</a>

### 4.4 – Maintenance of Campus Infrastructure

#### 4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1064.8	1066.2	274	275.23

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

<p>The primary responsibility of the management and head of institution to develop the infrastructure and other facilities in regular intervals. A central library with research information and periodicals like Indian Academic Sciences, e-library K-HUB, Library Automation with KOHA Software, DELNET with Reprographic services available to all the students and staff. Periodic upgradation of books and journals are done according to the needs of the students and faculties of various departments Wi-Fi enabled campus, Internet facility has been upgraded to 48 Mbps. The Research and Development (R D) Cell encourages faculty to participate in independent / collaborative research. The Institution provides following research facilities. Financial support for RD activities including reimbursement of travel expenses and registration fees. The institution is also giving more emphasis on sports and other cocurricular activities. Indoor and Outdoor games, multi gymnasium are available inside the campus. A dedicated sports teacher is also taking Yoga classes at morning and evening time.</p>
<a href="https://aryan.ac.in/AQAR 2017-18/4.4.2">https://aryan.ac.in/AQAR 2017-18/4.4.2</a>

### CRITERION V – STUDENT SUPPORT AND PROGRESSION

#### 5.1 – Student Support

##### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Institute Scholarship	780	7800000

<b>Financial Support from Other Sources</b>			
<b>a) National</b>	<b>Prerana Scholarship (Odisha) Medhabruti Scholarship (Odisha) National Scholarship (Minority)</b>	<b>625</b>	<b>32700100</b>
<b>b) International</b>	<b>NIL</b>	<b>0</b>	<b>0</b>
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
<b>Life Lessons From Bhagavad Gita</b>	<b>04/12/2017</b>	<b>406</b>	<b>PITABAS SAHANI, YOGA GURU, Bhubaneswar</b>
<b>Social Media Management</b>	<b>03/12/2017</b>	<b>372</b>	<b>Ashdit software solution, Bhubaneswar</b>
<a href="#">View File</a>			

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 in the comp. exam	Number of students placed
<b>2017</b>	<b>DRISHTI (A Vision for Life)</b>	<b>307</b>	<b>307</b>	<b>12</b>	<b>65</b>
<a href="#">View File</a>					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
<b>2</b>	<b>2</b>	<b>5</b>

## 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 participated	Number of students placed
<b>APPEAL GROUP</b>	<b>15</b>	<b>5</b>	<b>SILAN TECHNOLOGY</b>	<b>15</b>	<b>9</b>
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.Tech	Civil Engineering	REC, Bhubaneswar	M. Tech
2018	3	B.Tech	Electrical Engineering	REC, Bhubaneswar	M. Tech
2018	2	B. Tech	Civil Engineering	CEB, Bhubaneswar	M. Tech
2018	2	B.Tech	Civil Engineering	NMIET, Bhubaneswar	M. Tech
2018	1	B.Tech	Civil Engineering	GIFT, Bhubaneswar	M. Tech

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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
Any Other	25
No file uploaded.	

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

Activity	Level	Number of Participants
Discuss Through	State	1
Cricket Tournament	Inter College	12
Annual Sports Meet	Institute Level	154
Volley Ball	Inter College	8
200 mtr running race (Boys)	University	1
100 mtr running race (Girls)	University	1

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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/international 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	Name of the student
2017	CLEAN E BHUBANESWAR	National	4	3	1621320296	SABNAM DAS
2018	SWACHH BHARAT ABHIYAN	National	8	9	1703200243	SRIKAN GOUTAM JENA

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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 Institute follows Proctorial system in which each Proctor is designated to care 20 students. Institute also arranges the following programmes on a regular basis to guide the students. • Orientation programmes • Personal Counselling • Career Counselling. • Seminars by Industrial experts. There is a mentoring system in place in the college to take care of the interests of all the students on rolls. The mentors provide professional guidance and tactical support for Entrepreneurship including its procedures, statutory requirements, Licensing needs, potential areas for SMEs etc. The mentor coordinates with the college authorities to invite industry professionals, experts from bank financial institutions, Govt. agencies for one-to-one interaction with the students. He also coordinates with the authorities for Industrial Visits and Internships to familiarize students with Industrial Work scenario. Awareness and support are provided to students relating to GATE, GRE, CAT, ISRO, Defense Services, DRDO, BARC, and other Govt. PSUs examinations. There is a mentoring system in place in the college to take care of the interests of all the students on rolls. The mentors provide professional guidance and tactical support for Entrepreneurship including its procedures, statutory requirements, Licensing needs, potential areas for SMEs etc. The mentor coordinates with the college authorities to invite industry professionals, experts from bank financial institutions, Govt. agencies for one-to-one interaction with the students. He also coordinates with the authorities for Industrial Visits and Internships to familiarize students with Industrial Work scenario. Awareness and support are provided to students relating to GATE, GRE, CAT, ISRO, Defense Services, DRDO, BARC, and other Govt. PSUs examinations.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association has both executive and general body for its function with Er. BipashMohanty as its President and Er. J.R.Paikray as Secretary. It has been registered under the society registration act on 10th July, 2015 and it bears the registration number of 2032- 18-07 2017-18. The Alumni give their feedback on various issues for improvements in institution's functioning. These are treated with utmost importance by the institute. The members of the association are invited to various functions organized by the institute to address and interact with the students

5.4.2 – No. of enrolled Alumni:

261

5.4.3 – Alumni contribution during the year (in Rupees) :

576200

5.4.4 – Meetings/activities organized by Alumni Association :

The alumni members met twice in a year. The association involved in many socio-cultural activities during the academic year 2017-18. They are also giving their valuable suggestions for the development of the institution.

#### 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 (maximum 500 words)



The principal is the sole authority of the institution. Students are empowered to play an active role in cocurricular and extracurricular activities, and social services. The institution promotes a culture of participative management by involving the staff and students in various activities. There are different committees such as drama club, women Cell, NSS, IQAC, mentoring etc. The College core committee formulates common working procedures and entrusts the implementation through departments. The department or committee incharge manages the activities of the department and keep track of cocurricular and extracurricular activities in the College. Other units of College like sports, library, students council also operates under the guidance of the various committees and also students are involved in the decision making process to some extent.

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 in 100 words each):

Strategy Type	Details
Curriculum Development	As an affiliated College, the Institution follows Biju Patnaik University of Technology University curriculum. The institute conducts a meeting with Internal and external experts from academia and experts from Industry and Alumni periodically for enriching the curriculum.
Teaching and Learning	The institute has its own teaching strategy to promote value-based teaching learning system to increase competency levels of students to match the changing needs of industry and society. The mechanism adopted for evaluating the performance of teachers is through feed-back from various stakeholders, the prime source being the same from students parents. The feedback is analysed and discussed by HoDs with the concerned teacher and suggestions are made for further improvements. The non-teaching staff are evaluated qualitatively in consultations with the Principal. The institute has a system for assessing the knowledge and skills for particular programs. Besides teaching, group discussions, tutorials, class tests, assignments, surprise tests, remedial and bridge classes, seminars, debates, field studies, study tours etc. are conducted to enrich the quality of teaching. The Campus is Wi-Fi enabled. It has well equipped labs, workshops and library. AIET has well qualified and experienced faculty members. Seminars, workshops, add-on programs

	etc. are conducted for teachers to enhance their knowledge and skills.
Examination and Evaluation	<p>The examination and evaluation process is depends on the university i.e. Biju Patnaik University of Technology, Rourkela, Odisha.</p> <p>Continuous evaluation using assignments, quiz, class test, group discussions, presentation, case studies and sessional exams is to improve the quality.</p>
Research and Development	<p>The Research and Development (R D) Cell encourages faculty to participate in independent / collaborative research. The Institution provides following research facilities: • Well equipped laboratories. • A library with research information and periodicals. • Wi-Fi enabled campus. • Leave facilities for higher studies / research. • Financial support for RD activities including reimbursement of travel expenses and registration fees.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>• A library with research information and periodicals like Indian Academic Sciences, e-library K-HUB, Library Automation with KOHA Software, DELNET with Reprographic services. • Wi-Fi enabled campus. • Internet facility has been upgraded to 48 Mbps. • ICT enabled class rooms.</p>
Human Resource Management	<p>Adequate no. of qualified teaching and supporting staff are appointed through notified procedures of open advertisement, demo-classes interview by expert panels as per norms of AICTE/Govt. of Orissa/BPUT. Programs on communication skills/GD personality development programs for students, faculty development programs held at regular intervals. Various incentive schemes and welfare activities are used for motivating students / staff.</p> <p>Instead of six-day teaching per week, classes are held for five days leaving the Saturday for curricular and extra-curricular activities.</p>
Industry Interaction / Collaboration	<p>i) Study Tours and Industrial Visits to various industries for practical exposure of students /faculty. ii) Partnership agreements entered with other institutes / industry. iii) Industrial training / on-line projects are arranged. iv) Industry experts / eminent academicians are invited as guest speakers. v) Students participate</p>

	in many industry sponsored programs /Certificate courses / summer training etc.
Admission of Students	Admissions are made through a single window i.e. Joint Entrance Examination and reservations guideline is strictly followed as issued by the Govt. of Odisha / Regulatory Bodies from time to time.

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

E-governance area	Details
Examination	As an affiliated institute, the university designed an UMS (University Management System) through which all the examination related activities are being carried out.
Finance and Accounts	The institute uses latest Tally software for all types of financial activities. The institute also gives more emphasis on digital mode of transaction.
Planning and Development	All the notices and important activities are uploaded in the college website. SMS and automated Email service implemented for all the stakeholders. e-governance software used for redressal of all types of grievances.
Administration	The total administration of the institute is depends on the ERP software.
Student Admission and Support	The admission process is done through e-counselling process. The detail profile of the institution, infrastructure and facilities, fee structure etc are uploaded on the institute website.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	STUTEE MOHANTY	EARTHQUAKE RESISTENT DESIGN AND ENGINEERING APPLICATION OF CONFERENCE	NA	7000
2017	ADITYA PRASAD DAS	SOLID WASTE MANAGEMENT	NA	6500

		SYSTEM		
2018	NILIMASHREE NIHARIKA	FIBRE RAINFORCED CONCRETES IN CIVIL ENGINEERING	NA	7000
2017	JYOTIRMAYEE PANDA	URBAN ENVIROMENTAL PROBLEMS	NA	7000
2018	OSIN SANGHAMITRA PATEL	EXTENDED REASONAL URBANISATION CONFERENCE	NA	6500
2018	DR. RAGHUPATRUNI BHIMA RAO	HIGH ENGINEERING AND MAINTENANCE	NA	7000
2017	SHRADHANANDA GHADAI	BUILDING PLANNING PRINCIPLE	NA	7000
2017	NILANCHALA SWAIN	ADVANCES AND INNOVATION IN CIVIL ENGINEERING	NA	5500
2017	ATUL KUMAR MALLIK	BENDABLE CONCRET AND TECHNOLOGY	NA	7000
2017	BARODA PRASANNA SAHOO	ELECTRONIC PIPELINE TECHNOLOGY PIPELINE SURVEY EQUIPMENT	NA	7000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for 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	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	Advances in Materials and Processing	NA	14/11/2017	18/11/2017	47	Nill
2017	NA	FDP on stress management in teaching organization	06/09/2017	10/09/2017	Nill	37

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Machine Learning Based 5G Wireless Communication Systems	51	16/10/2017	22/10/2017	7
Recent Trends on Smart Nanomaterials and its Diversified Applications	44	15/12/2017	21/12/2017	7
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
25	25	11	11

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
E P F, ESI and Group Insurance Scheme	E P F, ESI and Group Insurance Scheme	Scholarships and awards

## 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal audit is done after every six months where the auditing team checks the income received from the students which is recorded in the software and reconciled with the fees that is to be received according to class wise. Cash book is checked with the help of bank statement and vouchers maintained by the institution along with physical cash verification. Reports of Income and Expenditure statement is submitted to the Chattered Accountant who prepared the financial statement and other reports for the institution.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
CITICON ENGINEERS LTD	800000	Workshop Sponsored
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

## 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	Yes/No	Authority
Academic	Yes	Biju Patnaik University of Technology	Yes	Principal
Administrative	No	Nill	Yes	Management

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

Parent Teacher Association meeting is conducted periodically to know about the students' progress. The parents get an opportunity to interact with the faculty advisors and heads of the departments to know about their ward's performance and study.

### 6.5.3 – Development programmes for support staff (at least three)

- Short term computer literacy courses for the supporting staff being conducted in regular intervals.
- Orientation program of non-teaching staff was conducted
- Technical training programmes are organised to enhance their skill and up to date with current technology for technical and non-teaching staff.

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

1. Organised Student Induction Programme 2. Strengthened NCC/NSS activities 3.

### 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	Yes
d) NBA or any other quality audit	No

### 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	Number of participants
2017	Analyzing effectiveness of study tour	09/09/2017	11/08/2017	12/08/2017	55
2017	Improving number of internship by students	16/10/2017	15/09/2017	16/09/2017	65
2018	Improvement of Teaching Learning Process	15/11/2017	09/10/2017	10/10/2017	54
2018	Aptitude and soft skills training	12/02/2018	10/01/2018	11/01/2018	128

**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 institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Equality for women is progress for all	06/01/2018	06/01/2018	85	194
Women Empowerment	02/08/2017	02/08/2017	78	175

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

Percentage of power requirement of the University met by the renewable energy sources
(i) Solar Panel 1kWp is used inside college campus. (ii) Solar Street lights with automatic off on control are used in the college campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2

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 addressed	Number of participating students and staff
2017	3	3	16/03/2018	60	Survey of adapted villages continues	To analyse the village and individual problems	25
2017	2	2	25/08/2017	30	Computer Awareness Course to 50 School Students of Nearby Villages	Making the local students computer literate.	82
2017	1	1	10/07/2	45	Outing	Every	102

			017		for Students	Sunday college buses are provided to students to go for outing purpose	
2017	1	1	01/07/2017	342	Transport Facility	College buses are provided to students and faculties for coming to college	120
2017	2	2	13/09/2017	60	Adopted 5 nearby villages	Study of different issues of the adapted villages	32
2018	4	4	05/02/2018	1	Industr ial Tour	1 day i ndustrial visits are done to make students familiar with the working e nvironmen t of indu stries	62
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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)
Students Hand Book	01/07/2017	The student should arrive to class on time. Every student must carry his/her Identity Card and have proper uniform whenever he/she is on the premises. Ragging is banned on the institute campus. Anyone found guilty of ragging and/or abetting ragging to be punished.
Employee Hand Book	01/07/2017	Every employee shall at



all times serve efficiently, act in a disciplined manner and maintain absolute integrity and devotion to duty. Save in exceptional circumstances, no employee shall absent himself from his duties without having first obtained the permission of the authority provided in the Leave Rules.

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

Activity	Duration From	Duration To	Number of participants
Yoga Day	21/06/2018	21/06/2018	46
Swacch Bharat Abhiyan	21/11/2017	21/11/2017	30
Blood Donation Camp conducted by NSS Committee	14/06/2018	14/06/2018	55
Tree Plantation	13/03/2018	13/03/2018	30
Disease Awareness Program	09/04/2018	09/04/2018	35
Expert Talk on Tolerance of Diversity	15/05/2018	15/05/2018	32
Independence Day	15/08/2017	15/08/2017	70
Republic Day	26/01/2018	26/01/2018	65
Engineers Day	15/09/2017	15/09/2017	55
Waste Management and Environmental Sanitation	13/12/2017	13/12/2017	28
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Plantation programme.
- Installation of solar energy sources for lighting college campus, hostels, play-fields, street lighting, etc.
- Cleanliness programme organised by college in near by villages.
- Use of plastic bags totally banned inside the campus.
- Strict controls exercised for water conservation and usage.

### 7.2 – Best Practices

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

1. Extensively implemented 'Swachbharat' mission due to which the entire campus is dirt-free. During visits for community service, students and teacher volunteers promote this mission and its awareness among the local population.
2. Regular Yoga classes are organized for students under specialist yoga instructors.
3. Distributed relief materials amongst the victims of natural calamities like flood, cyclone etc.

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

[https://aryan.ac.in/AOAR\\_2017-18/7.2.1](https://aryan.ac.in/AOAR_2017-18/7.2.1)

### 7.3 – Institutional Distinctiveness

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

The Vision of the Institute focuses on Global Standards, Value-based Education and Sustainable Development. A high quality of academic excellence can provide value-added experience for the students. The positive outcomes are achieved by designing the curriculum to meet the global requirements and through teaching-learning methods blended with ethical values. The structured induction of the student into the curriculum enables to visualize the career opportunities and the approach towards achieving them. Participation of students in Co-Curricular Activities and Extra Curricular Activities helps to enhance all round personality development. Experiences and appreciations gained through these activities assist students during internships. Career guidance and Personal counseling. The NSS units of the college have been recognized by the State Govt and frequently arranging many social activities. The NCC unit of the institution is also attending different NCC camps and many of the NCC cadets awarded during these camps.

Provide the weblink of the institution

[https://aryan.ac.in/https://aryan.ac.in/AOAR\\_2017-18/7.3.1](https://aryan.ac.in/https://aryan.ac.in/AOAR_2017-18/7.3.1)

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

- Augmentation of Research and Paper publications in each department
- Conducting more nos. of Seminars and workshops by inviting Industry professionals and academic experts.
- Increase in interaction with stakeholders e.g. Parents guardians, Students, Alumni, Industry professionals.
- Thrust on conducting value based training programs for faculty, staff and students including refreshers courses.
- Conducting more campus drives.
- Full implementation of IMS.
- Increase in no. ICT enabled Class rooms in each department.
- Grooming students for entrepreneurship through support services i.e. Sensitization and awareness programs, Specialist talk programs by Industrialists, Experience sharing interactions, Programs on financing SMEs, Licensing procedures etc.
- Increased no. of Social Extension programs.
- Organizing Tech-Fest 2019.
- Thrust on conducting more nos. of Industrial visits for students.