Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**ARUNAI ENGINEERING COLLEGE**
Name of the head of the Institution	**Dr.L.Jayakumar**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04175255101**
Mobile no.	**9842073165**
Registered Email	**aectvm1993@gmail.com**
Alternate Email	**praveenramanujam@gmail.com**
Address	**Velu Nagar, Mathur, Tiruvannamalai**
City/Town	**Tiruvannamalai**
State/UT	**Tamil Nadu**
Pincode	**606601**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**R. Praveen Kumar**
Phone no/Alternate Phone no.	**04175255101**
Mobile no.	**9842073165**
Registered Email	**praveenramanujam@gmail.com**
Alternate Email	**pkmtech@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.arunai.org/NAAC/

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.arunai.org/NAAC/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
3	**A**	**3.05**	**2015**	**01-May-2015**	**30-Apr-2020**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**24-Jun-2019**

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
To conduct 2 cycles of revision exams at the end of the semester	**30-Jun-2019** **90**	**1200**
No Files Uploaded !!!		

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
Biotechnology	Grant for Organizing Conferenc	AICTE	2019 2	270333
Biotechnology	Popular Lectures	DBT	2019 1	83000
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	1
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	No
Upload the minutes of meeting and action taken report	No Files Uploaded !!!
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

• Based on the discussion in previous meeting the intake of BE/Chemical has been raised from 30 to 60 • Principal congratulated the department of Biotechnology for grant received from AICTE to conduct FDP. • As discussed, previous meeting autonomous application was submitted to Anna University inspection was completed on 3/5/2019.

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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
To conduct slip test during the 1st hour	Slip tests were conducted which were found to be effective
To conduct 2 cycles of revision exams at the end of the semester	Revision exams were conducted which were found to be effective

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

Name of Statutory Body	Meeting Date
Governing Council	**09-Nov-2020**

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	**13-Feb-2020**

17. Does the Institution have Management Information System ?	**No**

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Part B

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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 words

> **Yes, the institution has a well-planned mechanism for curriculum planning and delivery as per the standards stated in the quality manual of ISO 9001:2015. At the beginning of each semester lesson plans will be obtained from the staffs for the subjects which they are teaching. The syllabus taught should be marked on hour basis and should be submitted to the head of the department by the end of every month, any deviations in the syllabus completion should be seriously addressed and extra hours should be allocated for the completion of the portion.**

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
		No Data Entered/Not Applicable !!!			

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 !!!		
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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
No Data Entered/Not Applicable !!!		

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
CISCO CCNA Program	04/02/2019	30
CISCO IT Essentials Program	10/06/2019	25
Course on Xilinx	19/08/2019	22
Ethical hacking secrets	11/11/2019	275
Effective Communication	04/03/2019	273
Electric and hybrid vehicle technology	03/02/2020	146
NDT in Welding	17/02/2020	69
Responsive Web Technology	10/02/2020	136
Smart Grid	11/02/2020	136
CISCO	22/07/2019	30
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year		
Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Science	5
BTech	IT	5
BTech	Chemical Engineering	21
BTech	Biotechnology	32
BE	Civil Engineering	31
BE	Mechanical Engineering	28
BE	Civil Engineering	31
BE	ECE	26
BE	EEE	19
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
AEC regularly collects feedback regarding the performance of the processes in the Quality Process Document from interested parties including students, parents, alumni and industry and takes action to ensure that the college fulfills customer satisfaction. • Students' feedback through class committee meetings • Students' feedback on the faculty members • Parents feedback • Feedback from industry • Feedback and findings from Accreditation agencies

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
No Data Entered/Not Applicable !!!				
[View File](#)				

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
2019	**290**	**30**	**178**	**33**	**211**

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	Numberof smart classrooms	E-resources and techniques used
163	**107**	**3**	**18**	**10**	**3**
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Students are split up as a group. For each group individual counsellors are allotted. Counsellors are allotted as per the ratio of 1:20. Mentors meet conducted for each group of students individually at least once a week. Continuous monitor, counselling and motivation for all the students in all the academic matters. Advise the students regarding selection of the project, elective papers in plant training. Contact parents if any academic irregularities negative behavioural changes. Counsellors pointed out the arrear candidates advised to improve the performance to clear the arrear get the pass mark.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1443	211	1:20

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
210	211	Nill	18	23

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
2020	00	Nill	00

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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
		No Data Entered/Not Applicable !!!		

[View File](#)

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

Special Remedial Class, Assignment (Unit Wise),Revision Test The subject handling faculty prepares question bank that covers equal number of questions from each unit, covering all the topics Department internal exam coordinator under the guidance of HOD, checks for the standard of the question bank. College Internal exam Coordinator along with a Exam team selects the final internal questions for each subject from the question bank. Question papers are given to the internal exam coordinators of the department on the day of test, after approval from the Principal. Internal exam coordinator ensures smooth conduction of test and proper valuation of internal books. A Centralized valuation system is followed. Marks are entered in Softcopy as well as in hard copy. Faculty prepares the answer key / Scheme of evaluation and it is documented with a copy of sample question paper for the future reference.

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

Yes, academic calendar was prepared and adhered for the conduct of examination and other related matters. The affiliating university will circulate the tentative academic schedule at the start of every semester, the academic calendar of the institute will be prepared based on this schedule.

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)

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
No Data Entered/Not Applicable !!!					

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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)

arunai.org/NAAC/

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
Students Research Projects (Other than compulsory by the University)	90	Tamilnadu State Council for Science and Technology	0.14	0.14

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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
Scope and Opportunities in IPR	Chemical Engineering	25/02/2020

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
00	00	00	Nill	00

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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
00	00	00	00	00	Nill

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International

5000	10000	50000

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

Name of the Department	Number of PhD's Awarded
IT	1
Biotechnology	2
EEE	1
ECE	1
HAS	2

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	Biotechnology	6	3.2
International	Mechanical	4	0.4
International	IT	1	00
International	EEE	2	00
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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
Chemical	1
Biotechnology	3
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
Critical review on bioconversion of winery wastes int obvalue-added products	Praveen Kumar R	Industrial Crops Products	2020	0	Arunai Engineering College	Nill
Investigation of Mechanical and Wear Characteristics of Banana/Jute fiber Composite	L Jayakumar	MaterialsToday:Proceedings	2020	1	Arunai Engineering College	1

Analysis of the Mechanical and Wear properties of calotropis gigantea stem fiber/flax fiber as reinforcement epoxy hybridcomposites	L Jayakumar	MaterialsToday:Proceedings	2020	1	Arunai Engineering College	1
Experimental Investigation of Nonlinear Vibration Isolator with Fluidic Actuators (NLVIFA)	S. Sivakumar	Sound Vibration	2020	1	Arunai Engineering College	1
Optimising the wear performance of HVOF thermal spray coated Ti-6Al-4V alloy by grey relational approach	S. Thirumalvalavan	Int. J. Rapid Manufacturing	2020	1	Arunai Engineering College	1
Performance evaluation and load demand management of grid connected hybrid wind-solar-battery system	V Saravanan	International Journal of Applied Power Engineering	2020	3	Arunai Engineering College	3
Contemporary approaches towards augmentation	Praveen Kumar R	Environmental Technology Innovation	2020	3	Arunai Engineering College	3

of distinctive heterogeneous catalyst for sustainable biodiesel production						
Biochemical conversion of biodiesel by-product into malic acid: A way towards sustainability	Praveen Kumar R	Science of the Total Environment	2020	4	Arunai Engineering College	4

No file uploaded.

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
00	00	00	Nill	Nill	Nill	00

No file uploaded.

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	16	11	Nill	Nill
Presented papers	11	10	Nill	Nill
Resource persons	2	1	Nill	Nill

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
RE25 (450 GW by the y ear 2030) Renewable Energy	NSS EEE Department AEC	2	60
Siddha Awarness Programme	NSS Tamilnadu Siddha Hospital, Thiruvannamalai	2	60

Swachh Bharat	NSS YRC	2	60
Self EmpolymentAwarness Programme	NSS District Industrial Center, Thiruvvannamalai	2	60
Horticulture Awareness Programme	NSS Horticulture Department, Thiruvannamalai	2	60
Dental Camp	NSS Happy Dental Clicnic, Thiruvannamalai	2	60
Fire safty Rescue Camp	NSS Fire Safty and Rescue Department, Thiruvannamalai	2	60
Tree Plantation Camp	NSS District Forest Department, Thiruvvannamalai	2	60
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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
00	00	00	Nill
No file uploaded.			

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 activites	Number of students participated in such activites
00	00	00	Nill	Nill
No file uploaded.				

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
00	00	00	00
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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
00	00	00	Nill	Nill	00
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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
00	Nill	00	Nill

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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
60	51.28

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

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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 patially)	Version	Year of automation
MODERNLIB	Fully	Nill	2004

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	18729	41616	55	300	18784	41916
Journals	125	109	Nill	Nill	125	109
CD & Video	3199	51	Nill	Nill	3199	51

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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
00	00	00	Nill

	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	871	6	100	2	6	1	10	100	0
Added	0	0	0	0	0	0	0	0	0
Total	871	6	100	2	6	1	10	100	0

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 centre and recording facility
00	Nill

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 incurredon maintenance of physical facilites
40	32.2	30	18.4

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)

Campus infrastructure will be maintained under the supervision of support staff whom they report to the Administrative Officer. Laboratory infrastructure will be monitored by the Head of the Departments, the requirements and shortfalls will be reported to the Principal Whenever a need arises Sporting facility will be taken care of the Physical Education Director who reports to the Principal about the requirements and activities

https://www.arunai.org/infrastructure.html

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	Academic Scholarship	31	155000
Financial Support from Other Sources			
a) National	Community Scholarship	635	9985255

b)International	Nill	Nill	Nill
No file uploaded.			

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
Placement Training	05/08/2019	16	TIME
Aptitude and soft skill	22/07/2019	71	Smart Training Resource
Hands on python	14/01/2019	69	GUVI Private Ltd
Soft Skill	19/08/2019	38	Smart train
Bridge Course for Freshers	21/09/2020	280	Arunai Engineering College
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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 passedin the comp. exam	Number of studentsp placed
2020	Placement Drive	78	78	8	8
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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
20	16	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
VWR, SUTHERLAND, , HAN DIGITAL , , SHIASH PVT LTD, , CSS corp Pvt Ltd, , Just Dial, Eureka Forbes	112	28	TCS	21	2

		No file uploaded.			

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
No Data Entered/Not Applicable !!!					

View File

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
Any Other	1
No file uploaded.	

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

Activity	Level	Number of Participants
College Sports Day 1	Institute Level	1100
College Cultural Event 1	Institute Level	800
No file uploaded.		

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
Nill	00	Nill	Nill	Nill	00	00
No file uploaded.						

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

Student member included in the IQAC of the Institute

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

00

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 institute have well established decentralized mechanism which allows every stake holder will be participative. The IQAC consists of representatives from students, staff, administrative staff, general public and the top management. The decision making in the Governing Council will be based on the inputs from all level of stakeholders. Every department will conduct class committee meeting in which all the students will represent their grievances, the out come of this meeting will be reported in the department staff meeting, which will be then conveyed to the Principal. Principal after discussion with the HODs represent this issue in IQAC and consequently in the Governing council. This approach was found to be satisfactory and adopted to the system

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

Partial

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
Admission of Students	The admission of the institute is done by 2 methods. Government Quota and Management Quota admissions. The Directorate of technical Education, Government of Tamilnadu fills the Government Quota seats through a centralized counselling process. The management quota sets will be filled by the Institute. Students willing to join in Management Quota will be required to fill the Institutes application format. These applications will be scrutinized and based on the availability of the seats, students will be admitted.
Industry Interaction / Collaboration	The Industry Institute Collaboration Cell is headed by the Principal, other members of the cell are the Placement and Training Officers, Heads of the Departments. The cell identifies the companies and industries and help the departments to sign MoU with them for various curricular and co-curricular activities of the students
Human Resource Management	The Human resource is mananged by the central office with Registrar as its Head. Heads of the department identifies the HR requirement and forward to the Principal. Principal after analysis of the requirement will forward the request to registrar. The vacancy positions will be advertised and the vacant positions will be filled by interview. The interview will be

	held for the incumbents in the presence of the Principal, Registrar, Head of the Department and an expert.
Library, ICT and Physical Infrastructure / Instrumentation	The Institute has a well equipped library with required books and journals. All the staff and student will be provided with library membership cards for lending.
Research and Development	The RD cell of the institute monitors the research activities carried out in the institute. RD cell organizes meeting with the department Heads to enhance the research activities in the Institute. RD cell monitors call for project proposals from various funding agencies and inform to the departments. Also the cell provides support to young faculties to identify thrust research areas and motivate them to network with other research institutes
Examination and Evaluation	As we are affiliated college the institute follows the examination pattern designed by the University. Apart from the end semester examination internal exams were organized regularly for every unit. Internal Exams were planned like Slip test 1 (1st Unit) Continuous Internal Assessment Test 1 (1st and 2nd Unit) Slip Test 2 (3rd Unit) Continuous Internal Assessment Test 2 (3rd and 4th unit) Model Exam (All 5 Units) This scheme of test will help the students to prepare for the entire syllabus
Teaching and Learning	The institute has well-planned teaching learning practice mechanism which will be fine tuned time to time based on the current requirements. Apart from the regular courses students are motivated to involve in co-curricular activities which will help them to enhance their practical knowledge
Curriculum Development	As the Institute is affiliated to Anna University, Chennai we are following the curriculum and regulations provided by the University. Beyond the recommended curriculum the institute involved in organizing value added co-curricular activities like Guest Lectures, Seminars, Workshops, Symposiums, Conferences, etc for the overall skill development of the students to make them employable

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

E-governace area	Details
Planning and Development	**00**
Administration	**00**
Finance and Accounts	**00**
Student Admission and Support	**Student admission is done in 2 modes. Management and Government quota seats are filled by the management and government respectively. Government quota seats were filled by online based single window counselling**
Examination	**Students internal marks and attendance will be entered in centralized system in the affiliating university web portal. internal marks and hall tickets for final semester exams will be automatically generated based on the data entered in the university webportal**

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
Nill	**00**	**00**	**00**	**Nill**

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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)
2019	**ISO Internal auditor training program**	**00**	**16/12/2019**	**17/12/2019**	**18**	**Nill**
2020	**Research Article Writing**	**00**	**05/03/2020**	**Nill**	**26**	**Nill**

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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	Number of teachers who attended	From Date	To date	Duration

programme				
Prospects and challenges in biofuels and bioenergy (STTP)	3	11/11/2019	16/11/2019	6
CS6010 Social Network Analysis	2	02/12/2019	06/12/2019	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
211	211	47	47

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Free transport and Working lunch, soft loan to staffs having more than 5 years instation experience	PF, Free transport and Working lunch, soft loan to staffs having more than 5 years instation experience	Group Insurance, Free Medical facility, Assistance for Educational Loans, Academic Scholarships for best performers

6.4 – Financial Management and Resource Mobilization

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

The accountant is a regular full-time employee of the institute who records the financial activities. Accountant coordinates with the external auditors.

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
00	0	00

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6.4.3 – Total corpus fund generated

00

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	No	Nill	Yes	IQAC
Administrative	No	Nill	Yes	ISO Cell

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

The institute is not having a functional parents-teacher association. However, the institute is collecting advice from parents through various modes and

utilizes them for the development of the institution. Parents feedbacks were collected

6.5.3 – Development programmes for support staff (at least three)
Awards to encourage non-teaching support staffs

6.5.4 – Post Accreditation initiative(s) (mention at least three)
1. Implementation of Faculty appraisal system 2. Implementation of outcome-based education 3. Implementation of Research forum

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
2019	IQAC Meeting	30/06/2020	Nill	Nill	13

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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 institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women Entrepreneurship Program	06/01/2020	06/01/2020	109	63

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
00

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nill
Rest Rooms	Yes	1
Scribes for examination	No	Nill
Special skill	No	Nill

	development for differently abled students						

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	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
2019	1	1	16/09/2 019	7	NSS Camp	Local Issues	38

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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)
00	Nill	00

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Ethics in Manufacturing	02/03/2020	02/03/2020	64

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

The Institute is well known for its green environment. The institute encourages students to plant trees inside the campus. Students are regularly involved in plantation activities to keep the campus clean and green

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

• Dale Carnegie teaching methodology – Every concepts have been explained through real time example or from the day to day activities. It is also called that known to unknown concept. That is we have been explaining the normal world activities by this, we are relating this activity with the technical concept. • Special coaching for slow learning • Remedial classes for those who fail in CIA tests • Faculty is encouraged to use Power Point Presentations and OHP apart from blackboards for teaching and better understanding for students. • NPTEL Videos delivered by the eminent faculties from the top ranked institutes of the country such as IIT and IISC are played to the students

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

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

Arunai Engineering College is constantly involved in the improvement of society. Being situated in the rural part, the institute always involved in

societal development activities. Inspite of reducing placemnets for Engineering graduates, the institute provides better placement for the rural students. Nearly 50 companies visited the campus for placement drive. Apart from this researchers, professors and other dignitaries were invited to the campus to speak with the students by which the technical acumen is instigated. AEC always feel proud in the overall improvement of the students

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

1. Creation of Centre of Excellence for Cyber Electrical Systems. 2. Deployment of Autonomous Behavioral and Mentoring System for Students and Staff. 3. Involvement of International Electric utilities/ Power sectors for curriculum support in the evolving value added courses. 4. Strengthening the Alumni interaction 5. To enhance the number of smart classrooms 6. Automation of department library