



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	ARASU ENGINEERING COLLEGE
• Name of the Head of the institution	Dr. T. BALAMURUGAN
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04352777788
• Mobile no	9443681418
• Registered e-mail	principal@aec.org.in
• Alternate e-mail	arasuengg@gmail.com
• Address	Chennai Main Road
• City/Town	Kumbakonam
• State/UT	Tamilnadu
• Pin Code	612501
2.Institutional status	
• Affiliated /Constituent	Affiliated

• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing
• Name of the Affiliating University	Anna University, Chennai.
• Name of the IQAC Coordinator	Dr. Kalaimani Shanmugham
• Phone No.	04352777799
• Alternate phone No.	04352777777
• Mobile	9443421673
• IQAC e-mail address	viceprincipal@aec.org.in
• Alternate Email address	ksyazh@gmail.com
3. Website address (Web link of the AQAR (Previous Academic Year))	http://aec.org.in/IQAC/
4. Whether Academic Calendar prepared during the year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	http://aec.org.in/#

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.44	2018	16/08/2018	16/08/2023

6. Date of Establishment of IQAC

03/06/2013

7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution	UNNAT BHARAT ABIYAN	GOVERNMENT OF INDIA	2020-21	1,00,000

Department	Grant for Organizing Conference	AICTE	2020-21	50,000
Department	Seminar Grant	CSIR	2020-21	25,000
Department	Device Development	DST	2020-21	5,00,000
Department	ATAL- FDP	AICTE	2020-21	93,000

8. Whether composition of IQAC as per latest NAAC guidelines	Yes
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- Upload latest notification of formation of IQAC

9.No. of IQAC meetings held during the year	4
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- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?

Yes

- If No, please upload the minutes of the meeting(s) and Action Taken Report

No File Uploaded

10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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- If yes, mention the amount

11. Significant contributions made by IQAC during the current year (maximum five bullets)
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1. Seminar on " Nuances of NIRF" by Dr. M. Mohamed Siddik, Sadakathullah Appa college (AUTONOMOUS) Tirunelveli on 26.01.2021 2. Webinar on "NIRF and ATAL ranking of Institution and achievements" by Dr.K.Narayan, Dean (R & D), Sai Vidya Institute of Technology, Bangalore on 19.02.2021. 3. Renewal of NBA Accreditation. 4. Career guidance programme on "Know yourself and follow your dreams" by Ms. Lakshmi Priya, founder and director , Dream more career counseling services, Chennai on 25.03.2021. 5.QIP on " Real time techno world applications in Electronics and communications" by Dr. Balwinder Raj, Ph.D, PDF, .NITTR, Chandigarh on from 03.08.2020 to 08.08.2020.

12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year
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Plan of Action	Achievements/Outcomes

To prepare and distribute the E content for the relevant subject and to prepare power point presentation for effective online and blended mode teaching and learning	The subject contents were effectively delivered to the students as per the scheduled lesson plan.
To make the students familiar with the online examinations additional model examinations in MCQ type shall be conducted	Conducted the additional model examination on MCQ type and as a result of that university results have been improved.
To conduct more number of seminars, webinars, workshops, FDPs and conferences for quality improvement	Totally 201 programme have been conducted during the academic year
To conduct more number of value added courses	10 value added courses have been conducted
To encourage faculty members to pursue higher studies	Totally 15 faculty members registered for Ph.D programme during this academic year
To submit more number of project proposals to various funding agencies	Totally 86 project proposals were submitted by staff and students.

13. Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Council meeting	02/06/2021

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2020	30/01/2020

Extended Profile

1. Programme

1.1 Number of courses offered by the institution across all programs during the year 12

2. Student

2.1 Number of students during the year 922

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	63
2.3 Number of outgoing/ final year students during the year	230
3.Academic	
3.1 Number of full time teachers during the year	114
3.2 Number of sanctioned posts during the year	114
4.Institution	
4.1 Total number of Classrooms and Seminar halls	50
4.2 Total expenditure excluding salary during the year (INR in lakhs)	1123 Lakhs
4.3 Total number of computers on campus for academic purposes	500

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and docum

The Institution is equipped with extensive action plan for the implemer Various Committees have been formed for effective implementation and mc The committees are such as Institution Development Committee, Budget Cc Library Committee, Academic Calendar Committee, Academic Committee, Per Analysis Committee. Meetings are conducted by the principal periodicall Department to evolve various strategies for effective implementation of Calendar is prepared with details of the activities of the Academic Year activities is prepared which includes Industrial Visits, Guest Lectures Subject allotment is done based on proficiency matrix, experience and p previous years. Time table framed with provision for Value Added Course training, tutorial and class test. Lesson Plan, Question Bank, Lab Manu

The attendance and performance of the students are monitored by the Cla Counselors and HODs. The student's performance and attendance is commur regularly. Slow learners and for students having average learning capak conducted after the college working hours.

NPTEL - E-learning through online Web and Video courses in Engineering, streams are used by the faculty members. E-learning materials have beer for all the subjects in the curriculum to provide 24x7 learning Enviror Arasu Virtual Learning Centre for Technology, Engineering and Managemer in MOODLE platform.

Allocation of subject, preparation of lesson plan and lab manuals is dc semester. Augmented topics are included in the lesson plan and delivere

delivery and syllabus completion is done through class committee meetir academic audits. A class advisor is appointed to monitor the conduct of performance. Systematic examination process, standard question papers, and periodical dispatch of reports to parents. If the same subject is h faculty members for various sections of students a coordinator is appoi completion and the performance of all the faculty members handling the seminars, Industrial visits and training programs are conducted to sup inputs. Laboratory as per the requirements of the Curriculum is ensurec analytical subjects is ensured by conducting tutorial classes as per ti

File Description
Upload relevant supporting document
Link for Additional information

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuo

Academic calendar is prepared well in advance before the commencement c academic activities are planned and executed as per the academic calenc exams are also scheduled and conducted as per the schedule. Assessment the periodical entry in the web portal of Anna University. Activities s meetings, industrial visits, seminars, conferences are scheduled and ex

The internal assessment tests are conducted by the centralized examinat transparency. Three internal assessment tests are conducted during the performance of the students. Internal evaluation is made by the concerr internal marks are uploaded in the Anna university website periodically students can check the marks awarded for them from the university websi adheres to the norms of the affiliating university in awarding the inte end semester examination is conducted as per the norms of the Universit effectively utilized to conduct MCQ based assessment. Remedial coaching actions are carried out to improve the performance of slow learners.

File Description
Upload relevant supporting document
Link for Additional information

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description
Details of participation of teachers in various bodies/activities provided as a response to the metri
Any additional information

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective cours

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

12

File Description

Any additional information

Minutes of relevant Academic Council/ BOS meetings

Institutional data in prescribed format (Data Template)

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirem Template)

11

File Description

Any additional information

Brochure or any other document relating to Add on /Certificate programs

List of Add on /Certificate programs (Data Template)

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total nu

174

File Description

Any additional information

Details of the students enrolled in Subjects related to certificate/Add-on programs

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Sustainability into the Curriculum

As AEC is affiliated to Anna University, the curriculum defined by the prescribed curriculum effectively integrates issues relevant to gender, sustainability, human values and professional ethics and leads to a str development of students. Various activities are organized throughout th curriculum such as

Gender Sensitivity: Gender related programmes are organised through Won Students are sensitized and encouraged to work towards gender equity fr perspective. Free counselling services are provided through a counsell organizes seminars, conferences, guest lectures, exhibitions, street pl that help in gender sensitization.

Environment and Sustainability: The curriculum incorporates Environment The subject includes the students to know about water quality, air qual healthcare, Sanitation and Waste Management, Renewable Energy and Greer awareness camps, seminars, workshops, guest lectures, industry visits a organized through GEO Club. AEC focuses to research in inter-disciplina renewable energy, environmental pollution, agriculture, education and k

Human Values and Professional Ethics

A course of one credit on human values "Professional Ethics and Human V / open elective to all the students to take at least once during the pr Social development activities like working in NGOs, organizing blood dc up camps, hygiene and health workshops, environment awareness camps, ri workshops on social issues, public health, gender issues etc. All the a faculty in-charge.

As an integral part of student engagement in social activities during t college also mandates all the students to enrol as NSS/NCC Volunteers. values, ethics and socially responsible qualities. Students organize st campaigns, debates etc. Human values activities by students are being c

File Description

Any additional information

Upload the list and description of courses which address the Professional Ethics, Gender, Human Va and Sustainability into the Curriculum.

1.3.2 - Number of courses that include experiential learning through project work/field wo

20

File Description

Any additional information

Programme / Curriculum/ Syllabus of the courses

Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses

MoU's with relevant organizations for these courses, if any

Institutional Data in Prescribed Format

1.3.3 - Number of students undertaking project work/field work/ internships

394

File Description

Any additional information

List of programmes and number of students undertaking project work/field work/ /internships (Da

1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	
Any additional information	

1.4.2 - Feedback process of the Institution may be classified as follows

**B. Feedback collected
been taken**

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://docs.google.com/forms/d/Qxmwpf_U4BYUNEMYwbDxo_XQUvRajh7rXc/ea

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

230

2.1.1.1 - Number of students admitted during the year

230

File Description	Documents
Any additional information	
Institutional data in prescribed format	

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, D reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

228

File Description
Any additional information
Number of seats filled against seats reserved (Data Template)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Program

learners

Students are categorized as A (>75%), B (60 to 75%) and C (<60%) category based on their performance in Internal Assessment Tests and University examinations.

Students belong to A and B categories are bright students (advanced learners) and students belong to C category are slow learners. Special activities and additional programs are provided for bright students to make them cope up with growing trends and special classes are provided for slow learners in order to make them clear their examinations.

Bright students are focused by providing activities such as Soft skill training, seminar on advanced topic, encouragement to present paper in conferences, to participate in symposium and Project EXPO. Rank holders and class toppers are recognized during graduation and annual days.

Care is taken by the faculties in monitoring the performance of students. Any deviations from studies is observed by the respective faculties and appropriate measures are taken.

The faculties also go a step ahead and have periodic interaction with the students to monitor the performance of slow learners.

A motivation and responsibility from both parents and faculty will create a positive environment which will help to overcome the disabilities and hurdles faced by the slow learners. Regular meetings are conducted in an effective manner.

The slow learners are focused by conducting remedial coaching class and regular classes.

File Description

Paste link for additional information

Upload any additional information

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
922	117

File Description

Docume

Any additional information

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-based learning for enhancing learning experiences

The teaching-learning process is one major objective and the strength of the institution is given a right blend of traditional and modern methods to make learning a rewarding experience. Experiential learning, participative learning and various methodologies are well adopted to ensure the holistic development of students.

long learning and knowledge management.

Participative learning

Design/development of solutions: Students attempt to develop solutions problems and design system components/processes that meet the specified through group analysis, brainstorming etc.

Mind Maps for creativity: Teachers create a central node on a Mind Map freedom to expand and develop novel ideas.

Flipped Classes, blended learning and model making methods are introduced enhance participative learning.

Students are encouraged and presently made mandatory to take (Massive Open Online Courses) offered by premier institutions of the country. They include online lecture interaction through skype sessions.

Project works involving latest technologies and use of advanced softwares encouraged. On an average, 40 to 50 different problems are investigated final year students under the supervision of project guides, within the resources in each department.

Proficiency in soft and communication skills through lab sessions.

Industry interaction and summer training

Industrial / field visits, Practical training / internship at Industry institutions.

Industry projects and collaborations are undertaken to enrich students training.

Periodical Guest lectures on topics relevant to employment skills by professional organizations / industry.

Experiential learning

Practical courses (laboratory) including virtual labs are made compulsory

Preventive and breakdown maintenance activities of various lab equipment

Different learning methods viz. problem-based, case-based, project-based, computation-based, co-operative (work- or community-based) are implemented

Students are encouraged to take up innovative projects and mini project

Organization of exhibitions and open houses projecting senior students' work on basis are a source of motivation for younger students of the college.

Conducting investigations for solving complex problems: Use research-based methods including design of experiments, analysis and interpretation of information to provide valid conclusions.

Studio performances are practiced to facilitate learners understand the improvement in further endeavors. These sessions remove fear, tension,

Problem solving methodologies adopted are

Giving assignments and quizzes at the end of instruction of each unit.

Case Study Analysis and Discussion.

Product Design and development.

Implementation of real time projects.

All academic activities are aimed at elevating the students' knowledge, in them.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	https://www.youtube.com/v=9z_xR2jFMa8&ab_channel=ArasuEng

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write descriptio

Effective content delivery by using ICT tools in the class room for bet reinforcement of the concepts and problem-solving is adopted by all the ICT tools complement the traditional teaching-learning methods, and the interested in providing innovative methods for enriching the learning e has the needed resources which include wide availability of computers i and library, high speed internet access and general ICT knowhow among t The faculties are trained for the efficient use of tools through traini and/or faculty development programmes. Teaching/Learning methodologies for illustrations and special lectures, field study, case-studies, proj experimental methods, flipped class room sessions etc.

The conventional lecture method facilitates the teacher to interpret, e content of a topic, only for better understanding of the subject by the instruction of each unit, the students are given specific assignment wh To enhance the effectiveness, lectures are presented as 'learning dialc intermissions facilitating the students to recapitulate the acquired kr a few questions or a brief peer group discussion or a think-pair-share relevant interactive session. Thus, the blended mode of learning which interaction with the online learning is largely implemented.

ICT components are embedded in the course contents of all relevant engi include free / commercial software used for computation / simulation su solving linear or differential equations and statistical analysis of ex project works. ICT for course delivery includes power point presentatic educational websites. It helps our students in blended learning, flippe learning projects.

ICT enabled Teaching-Learning Process is supported with Regular Practic Digital Library, Online Courses (MOOCS, NPTEL etc.), online journals, C projectors for seminars and workshops, productive use of educational vi non-print material for students of different disciplines. Communicator enriched with ICT tools to make the students acquire proficiency in lis and writing skills.

The case study and the project-based learning methods, which are partic discussion/demonstration based ways of learning, enable students gain t thinking, communication, and group dynamics and reflect appropriate int online interaction of the participating members. As engineering courses embedded with step by step solving of innumerable problems, hands-on se internships at work places, faculty and students find ICT tools indispe

File Description

Upload any additional information

Provide link for webpage describing the ICT enabled tools for effective teaching-learning process

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the late

2.3.3.1 - Number of mentors

104

File Description

Upload, number of students enrolled and full time teachers on roll

Circulars pertaining to assigning mentors to mentees

Mentor/mentee ratio

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

117

File Description

Full time teachers and sanctioned posts for year (Data Template)

Any additional information

List of the faculty members authenticated by the Head of HEI

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.S (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / I

10

File Description

Any additional information

List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.I full time teachers for year (Data Template)

2.4.3 - Number of years of teaching experience of full time teachers in the same institution academic year)

2.4.3.1 - Total experience of full-time teachers

609

File Description

Any additional information

List of Teachers including their PAN, designation, dept. and experience details(Data Template)

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and r words.

As per the guidelines provided by the affiliating university the internal assessment of students is done at regular interval and the evaluation process is completed to carry out the internal assessment of the students an internal examination cell is constituted. Based on the affiliating university guidelines, the internal examination conducting two assessment tests and one model examination as per the affiliating university. The IE cell prepares and disseminates the time table for the internal examination. The question paper is collected from the individual staff members through the internal examination cell and on the day of examination the question papers will be distributed to the students. The writing of examination by the students will be monitored by the invigilators. The answers are evaluated by the concerned staff member and after getting approval from the internal examination cell the answer will be distributed to the students. The marks obtained by the students are entered in the university web portal for calculating the internal marks.

File Description

Doc

Any additional information

Link for additional information

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound

In our institution there is a well defined mechanism to deal with the internal examination related grievances if any in transparent, time-bound and efficient manner. The internal examination related grievances if any either with the internal examination cell or directly with the Principal. Such complaints are handled by a committee comprising senior faculty members constituted by the institution for proper redressal to the complaints.

File Description

Documents

Any additional information

N

Link for additional information

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are state communicated to teachers and students.

Yes. The programme outcome for the particular programme is clearly framed in coordination with the norms of the affiliating university. The course outcomes for a particular programme is supplemented by the university along with the programme outcome. Both the programme outcome and course outcomes of all programmes offered are clearly stated and displayed on college website and communicated to both students and teachers in various modes such as displaying in the form of hoardings in prominent places, students' records, notebooks, staff work diary, etc.

File Description	Documents
Upload any additional information	
Paste link for Additional information	http
Upload COs for all Programmes (exemplars from Glossary)	

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution

Attainment of Course Outcomes

The attainment of programme outcomes and course outcomes are evaluated regularly. The course outcome for all the courses in a particular semester is evaluated in the university examinations.

Level 1: 60% of students getting B+ Grade and above in the University examinations of each batch

Level 2: 65% of students getting B+ Grade and above in the University examinations of each batch

Level 3: 70% of students getting B+ Grade and above in the University examinations of each batch

- Attainment is measured in terms of actual percentage of students getting B+ and above marks.
- If targets are achieved then all the course outcomes are attained if not, the institution is expected to set higher targets for the following years as a part of continuous improvement.
- If targets are not achieved the program should put in place an action plan for improvement in subsequent years

Attainment of Program Outcomes and Programme Specific Outcomes

The attainment of programme outcome of a particular programme for a particular batch is evaluated through the number of students graduated and feedback from employers, students and peers.

Direct attainment level of a PO & PSO is determined by taking average of attainment of that PO and/or PSO.

Indirect attainment level of PO & PSO is determined based on the student surveys, co-curricular activities, extracurricular activities etc.

- It is assumed that a particular PO & PSO has been mapped to five courses.
- PO & PSO attainment level will be based on attainment levels of direct assessment tools.
- It is assumed that while deciding on overall attainment level 80% weightage to direct assessment and 20% weightage to indirect assessment through students (largely), employers (to some extent). Program may have different appropriate justification.

Assuming following actual attainment levels:

Direct Assessment

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

Attainment level will be summation of levels divided by no. of courses.

Indirect Assessment

Surveys, Analysis, customized to an average value as per levels 1, 2 & 3.

PO & PSO Attainment level will be 80% of direct assessment + 20% of indirect assessment.

File Description
Upload any additional information
Paste link for Additional information

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

229

File Description
Upload list of Programmes and number of students passed and appeared in the final year examination (Use the provided Template)
Upload any additional information
Paste link for the annual report

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution m (results and details need to be provided as a weblink)

https://docs.google.com/forms/d/e/1FAIpQLSfB1tpBkm__jJ_qZlYFuB3R4ORqRZC

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research pro institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research proje during the year (INR in Lakhs)

9.30

File Description

Any additional information

e-copies of the grant award letters for sponsored research projects /endowments

List of endowments / projects with details of grants(Data Template)

3.1.2 - Number of teachers recognized as research guides (latest completed academic year

3.1.2.1 - Number of teachers recognized as research guides

4

File Description

Documents

Any additional information

Institutional data in prescribed format

3.1.3 - Number of departments having Research projects funded by government and non g year

3.1.3.1 - Number of departments having Research projects funded by government and non year

5

File Description

List of research projects and funding details (Data Template)

Any additional information

Supporting document from Funding Agency

Paste link to funding agency website

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and

Our institutehas created an ecosystem for the innovations by staff and

initiatives for creation and transfer of knowledge. The faculty members research activities utilizing the existing facilities. The college has Cell to monitor and address the importance of research. The Entrepreneur organizes

Functions of the Research Committee:

1. To identify emerging areas of research
2. To create a conducive environment for promotion of research the college.
3. To encourage the faculty members to organize more number of seminar workshops.
4. To encourage faculty members to apply for major, minor research design and innovation centres.
5. To ensure smooth functioning and effective management of Research & the college and to promote collaborative research.
6. To strengthen industry - institute interaction by promoting cell based research & innovation activities in the institute
7. To assist faculty on research proposals, patenting, research c

intellectual property issues.

1. To prepare a comprehensive list of funding agencies that allocate f projects

1. To prepare project proposals for getting funds from various funding UBA, CISR etc.

Entrepreneurship Development Cell

The Institution believes that research culture is pivotal to education; this, The Entrepreneurship Development Cell (EDC) for Skill Training, F thinking is established to help staff and students in the development c eco-system. The objective of the EDC is to bring awareness on entrepreneur to take calculated risks and come up with some innovative ideas to begi services rendered by the EDC Cell is as follows:

- With working professionals, aspiring and existing entrepreneurs, me venture capital firms and corporates through events like interactiv
- Various courses on Entrepreneurship Development Program in collabor
- Women Entrepreneurship Development Program was also organized.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.youtube.com/watch?v=C6XFzqg

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property & Entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual entrepreneurship year wise during the year

81

File Description

Report of the event

Any additional information

List of workshops/seminars during last 5 years (Data Template)

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

10

File Description

URL to the research page on HEI website

List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)

Any additional information

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

52

File Description

Any additional information

List of research papers by title, author, department, name and year of publication (Data Template)

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers published in conference proceedings year wise during year

61

File Description

Any additional information

List books and chapters edited volumes/ books published (Data Template)

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students, their development, and impact thereof during the year

The institute promotes regular engagement of faculty, students and staff community for their holistic development and sustained community development activities. Every Year, programmes are organized under which students are voluntarily in community based activities with neighborhood.

Various awareness programs, workshops, rallies and road shows with then environment & tree plantation, gender sensitization, traffic rule aware digital payment, and empowerment of girls and women; and help acid-atta

Continuous voluntary activities by students to maintain cleanliness in create awareness about the role of clean environment in human health at Swachh Bharat Abhiyan

File Description

Paste link for additional information

Upload any additional information

3.4.2 - Number of awards and recognitions received for extension activities from government during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government bodies year wise during the year

21

File Description

Any additional information

Number of awards for extension activities in last 5 year (Data Template)

e-copy of the award letters

3.4.3 - Number of extension and outreach programs conducted by the institution through Government including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

37

File Description

Reports of the event organized

Any additional information

Number of extension and outreach Programmes conducted with industry, community etc for the duration (Data Template)

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration

and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue

6017

File Description

Report of the event

Any additional information

Number of students participating in extension activities with Govt. or NGO etc (Data Template)

3.5 - Collaboration**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange****3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange year**

06

File Description

e-copies of related Document

Any additional information

Details of Collaborative activities with institutions/industries for research, Faculty

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corpora**3.5.2.1 - Number of functional MoUs with Institutions of national, international importance corporate houses etc. year wise during the year**

07

File Description

e-Copies of the MoUs with institution./ industry/corporate houses

Any additional information

Details of functional MoUs with institutions of national, international importance, other universities the year

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities****4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning computing equipment etc.**

The institution has adequate facilities for teaching - learning, viz., computing equipment, etc. The institution ensures adequate availability physical infrastructure as it is critically linked to the vision of the of the academic year need-assessment for replacement / up-gradation / a infrastructure is carried out based on the suggestions from BOS members

lab technicians and system administrator after reviewing course require ratio, budget constraints, working condition of the existing equipment grievances. The Time Table committee plans ahead for all requirements r laboratories, furniture and other equipments. Physical Facilities Adequ facilities are keys for effective and efficient conduct of the educatio of infrastructure thus has to keep pace with the academic developments other supportive facilities on the campus are developed to contribute t curricular, extra- curricular and administrative activities. A provisio budget is made annually for maintenance and replenishment of physical f their availability on a continual basis. Optimal deployment of infrastr conducting workshops/awareness programs/training programs for faculty c

File Description	Documents
Upload any additional information	No File
Paste link for additional information	http://aec.org.in

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, out

Sports :

Sport is an integral part of the curriculum. Various sports facility is within the campus. The college is committed to create a balanced atmoq and sports activities for the overall personality development of its st competitions such as inter departmental, inter collegiate, Inter Univer team spirit in students. Sports and games help the students to improve relationship in healthy manner. Talented students are honored with meda certificate. The department of Physical Education in the college is well facilities in sports and games for indoor and outdoor also. The college as Chess, Carom, Table Tennis and Cricket ground, Volley ball court, Ba ground as outdoor games.

Yoga :

The institute has dedicated space for Yoga and Meditation for improving of faculty and students. International Yoga day is celebrated every year

Gymnasium:

The institute has an in-house gymnasium facility which the faculty and gymnasium has facilities like treadmill, cycle, abdominal bench, Weight

Cultural:

Cultural activities are conducted on different occasions like first year farewell, teacher's day and Womens Day. To bring out the inherent talent college has started clubs like Tamil Perayam, Fine arts club and Elite has an open-air lawn where students conduct these cultural programmes. 7 halls and an auditorium to conduct cultural activities.

In addition to cultural clubs, the institute also has clubs for technic App Development Club. Students join these clubs depending on their inte

actively participate and showcase their talents and skills. The activities enhance the overall personality of the students. Through these club events, students not only get a chance to organize the events which helps them gain experiences beyond their comfortable limits.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://aec.org.in/nss-yog

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

11

File Description	Documents
Upload any additional information	
Paste link for additional information	http://
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR)

0

File Description
Upload any additional information
Upload audited utilization statements
Upload Details of budget allocation, excluding salary during the year (Data Template)

4.2 - Library as a Learning Resource

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

Library as a Learning Resource. The library holdings in terms of books, materials and technology-aided learning mechanisms which enable student knowledge and skills required for their study programmes. A recent development in the availability of digital means, the functioning of the library has undergone a major transformation. Automation of library using the ILMS, use of e-journals and books, providing digital resources in the library have become a matter of necessity. Providing digital resources and developments as well as utilizing them well are important indicators of the quality of an institution.

File Description
Upload any additional information
Paste link for Additional Information

4.2.2 - The institution has subscription for the following e-journals

B. Any 3 of the above

resources e-journals e-ShodhSindhu Shodhganga Membership
e-books Databases Remote access toe-resources

File Description

Upload any additional information

Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-Lakhs)

17.31

File Description

Any additional information

Audited statements of accounts

Details of annual expenditure for purchase of books/e-books and journals/e- journals during the ye
Template)

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

56

File Description

Docur

Any additional information

Details of library usage by teachers and students

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

IT Infrastructure : The institution adopts policies and strategies for deployment and maintenance. The ICT facilities and other learning resou available in the institution for academic and administrative purposes. access to technology and information retrieval on current and relevant deploys and employs ICTs for a range of activities.

File Description

Upload any additional information

Paste link for additional information

4.3.2 - Number of Computers

500

File Description	Documents
Upload any additional information	
List of Computers	

4.3.3 - Bandwidth of internet connection in the Institution**B. 30 - 50MBPS**

File Description
Upload any additional Information
Details of available bandwidth of internet connection in the Institution

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic salary component during the year (INR in lakhs)**

84.37

File Description
Upload any additional information
Audited statements of accounts
Details about assigned budget and expenditure on physical facilities and academic support facilities (Templates)

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

A separate maintenance department is functioning in the college with a maintenance supervisor and maintenance assistants are available to look

Civil works like maintenance of building floors, walls and other furniture time to time and log book register is maintained. Electrical maintenance in the departments as and when required. Calibration of instruments and equipment regularly depending upon the requirement by concerned department. They involve external agencies in this respect, in addition to involving the lab assistants.

Our campus is fully furnished and equipped with Wi-Fi. Smart Classrooms and departments equipped with Wi-Fi projectors and screen. Our library has been updated with a digital storage server and E-learning materials. We have a Seminar hall. We provide flexible & cost effective network of transport buses are operated in different routes. We have separate hostels for Bachelors with all facilities. We are providing free 24 hour internet facility in a dining hall with modern kitchen having seating capacity of 2000 students providing hygiene food to staff and students. Books required as per AICTE

departments every year and purchased as per the norms of the Institute. suggested by the Heads of Departments are also discussed in the meeting accordingly. The updated version of e-journals is printed according to

A spacious playground is available in our campus in which daily practice in outdoor games such as Ball Badminton, Tennis, Throw Ball, Cricket, Football, Volley Ball, Athletic events, etc. We train the students in Tennis, Badminton, Chess, Carom, Weight lifting, Power lifting etc. Our Multi Gyms for boy and girl students and staff usage.

File Description	Documents
Upload any additional information	
Paste link for additional information	

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government

1037

File Description
Upload self attested letter with the list of students sanctioned scholarship
Upload any additional information
Number of students benefited by scholarships and free ships provided by the Government during the year (Template)

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non-government agencies during the year

41

File Description
Upload any additional information
Number of students benefited by scholarships and free ships institution / non- government agencies during the year (Template)

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description
Link to Institutional website
Any additional information
Details of capability building and skills enhancement initiatives (Data Template)

5.1.4 - Number of students benefitted by guidance for competitive examinations and career institution during the year

File Description
Any additional information
Number of students benefitted by guidance for competitive examinations and career counseling dur Template)

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description
Minutes of the meetings of student redressal committee, prevention of sexual harassment committ Ragging committee
Upload any additional information
Details of student grievances including sexual harassment and ragging cases

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

130

File Description
Self-attested list of students placed
Upload any additional information
Details of student placement during the year (Data Template)

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

3

File Description	Docu
Upload supporting data for student/alumni	
Any additional information	
Details of student progression to higher education	

5.2.3 - Number of students qualifying in state/national/ international level examinations du GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

4

File Description
Upload supporting data for the same
Any additional information
Number of students qualifying in state/ national/ international level examinations during the year Template)

5.3 - Student Participation and Activities

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

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

02

File Description
e-copies of award letters and certificates
Any additional information
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)

5.3.2 - Institution facilitates students' representation and engagement in various administrative activities (student council/ students representation on various bodies as per established process)

Various committees are formed for the effective functioning of the academic departments have a department student society, student chapters of various associations and various social clubs. The Head of the Department, staff of respective departments in consultation with the Principal choose the members of these bodies. The representation of students in these bodies helps them in their overall development. These bodies contribute to the overall development of the institution.

students to develop technical skill, updating knowledge, personality de society through the following Societies/Associations. There are staff a the smooth and efficient conduct of these activities. The various commi members such as Class Committee, Department Associations, Cultural Comm Committee, Students (chapter/forum) Associations such as IEEE, ISTE, CS Cell, Anti-ragging Committee, Sports Committee, NSS, YRC, RRC, Women En and Redressal committee, Tamil Perayam and GEO club.

File Description

Paste link for additional information

Upload any additional information

5.3.3 - Number of sports and cultural events/competitions in which students of the Institut (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Instit

9

File Description

Report of the event

Upload any additional information

Number of sports and cultural events/competitions in which students of the Institution participate (organized by the institution/other institutions (Data Template)

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the developme and/or other support services

Alumni Details:

Year of Establishment 2008, Registration Number 49/2008, Date of Regist the President Dr. T. Balamurugan, Name of the Vice President Dr. Kalain Secretary Mr. M. Thiyagarajan, Name of the Treasurer Mr. R. Malarvannar 22.03.2021.

Activities:

1. Alumni student interaction on carrier options and higher studies in Mr.T.ayyappan (Field lead Engineer, Dell technologies, UK), Mrs.T.Durga developer, HCL Technologies, UK) and Mr.D.Surendar (senior developer, c passed out), on 30.04.2020.

2. Alumni Meet regarding placement opportunities, suggestions for impr activities of the college was conducted on 22.03.2021.

3. A webinar on Electrical Design Methodology for Industries given by M 2006 passed out) on 13.02.2021.

4. A webinar on Selection and Sizing of Electrical Equipments by Mr. Mr passed out) on 05.06.2021.

5. Mr. R. Vijay (Mech, 2014 Passed out), delivered a technical talk on Programme in THERMAL ENGINEERING - II on 10.06.2020.

6. Mr. R. Vijay (Mech, 2014 Passed out), delivered a technical talk on Programme in Engineering Thermo dynamics on 22.07.2020.

7. Inagural address delivered by Dr.M.Meignanamoorthy (Mech, 2011 Passe Department of Mechanical Engineering, K. RamaKrishnan College of Engine Samayapuram, Triuchirappalli in Inaugural function of MECHZEAL 2020-21.

File Description	Documents
Paste link for additional information	https://www.youtube.com/v=EMLqv8CKktI&ab_channel=ArasuEn
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission

The vision of the institution is to be a Centre of Excellence in Engine Management on par with International standards The mission of the insti students with high professional skills and ethical values, to Impart kr practices, to Instill Spirit of Innovation through Training, Research a Continuous Assessment and Remedial Measures, To achieve Academic Excell Emotional and Social stimulation Our college provides academic ambience fosters enthusiasm and motivation so as to realize challenging and rewa students. Our unwavering commitment to quality education and experienci students develop the abilities for critical thinking and evaluation of translate concepts and theoretical knowledge into real time situations.

Besides these, our students are molded to be socially aware and become effective contributions towards societal transformation and nation build University, Anna University Chennai is one of the leading technological curricula is designed taking into consideration the technological advar changing requirements of the job market, The program educational object objectives and program outcomes are derived from the requirements of th accreditation. The Graduate attributes of the western countries are as engineering graduates. We follow Choice Based Credit System(CBCS) and t horizontal mobility in the selection of electives based on the student's incorporates Lifelong learning skills as one of the graduate attributes

with credits such as Engineering Ethics and Human Values. Language Lab opportunities to learn foreign languages to equip the student to face opportunities in other countries.

E Learning resources provide an equal opportunities to students to learn and update themselves with the requirements of the changing job market.

File Description	Documents
Paste link for additional information	http://aec.org.in/v
Upload any additional information	No File U

6.1.2 - The effective leadership is visible in various institutional practices such as decentraliza

The administrative activities of the Institution are managed by the Cha the Trust. The academic activities of the Institute are managed by the Governing Council, for its perspective, policy, financial planning and more in a year. The agenda focuses on comprehensive development and on steady growth of the college. The Council monitors the formulation, prc evaluation, reforming with special reference to quality and standards c expectations. Based on the decision made in the Governing Council meeti valuable support to the Principal in order to implement the plans and p academic activities of the institution are managed by the Principal. Th implements, and execute the quality policy and plans, he takes care of activity that leads to the attainment of stated quality policy, Co-ordi members in improving the image building of the Institute, Enhancement c Institution, through various social welfare activities, placement activ functioning of Grievance and redressal committee through an effective f of the social transformation through the activities of YRC, NSS etc. Th National level Symposium, Workshops and Conferences organized by studer President, Treasurer and other Volunteers. Student members are nominate meetings. Various professional societies, clubs involve students in adm inculcate the organizing skills among them. Students' head in NSS, YRC, Club, Mind Teasers Club etc., Decentralization at various levels such a chairman, class Advisors, lab-in charges, Counselors - one faculty per for coordinating various activities enable the faculty members to enhar attributes. The senior faculty members are appointed as conveners for v autonomy in decision making.

The college delegates the plan of the academic activities every year as organization. The major decisions for the function of the Institution a Institution will be taken in the Governing Council meetings. Department take decision in the department level. The necessary support isprovided Trust. The College promotes a culture of participative management. The listening to voices from the students and faculty members through prope class committee meeting for all classes headed by the class committee c meeting as scheduled. It is the platform for the students to notify the academic parts. Minutes of class committee meeting will be sent to the Department meeting will be conducted by the HODs in order to address th will be passed to the top management.

File Description

Paste link for additional information

Upload any additional information

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The college has prepared a Strategic Plan for the Academic year 2020-21 the quality indicators determined by NAAC. In the preparation of the Strategic Quality Assurance Cell (IQAC) of the college has taken initiatives in their expectations, management policies and goals and objectives of the base for formulation of the Strategic plan. Regarding curricular aspects considered such as Appointment of Qualified Teachers, Conduct of Academic Existing Programmes, Quantitative Strengthening of Existing Programmes, Infrastructure, Qualitative Strengthening of Existing Programmes, Use of IT System, Seminars and Workshops, Deputation to Seminars and Workshops, I Effective Communication of Curriculum Design and Development to Faculty Regarding teaching-learning Process the following things are considered Introduced in Admission Process and Student Profile, Monitoring of Teacher Introduction of Specialty Programmes, Recording of Attendance, Recognition performance of students shall be recognized by organizing the felicitation Needs, Supporting Academic Programmes and Policies Proportionate to Needs Encouragement to Students, Guest Lecture Series, Conduct of Revision and Parent Meetings, Invitation of Parents' Views, Access for Information, and Discipline in Teaching Learning Process, Academic Calendar.

File Description	
------------------	--

Strategic Plan and deployment documents on the website	
--	--

Paste link for additional information	
---------------------------------------	--

Upload any additional information	
-----------------------------------	--

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policy appointment and service rules, procedures, etc.

The college is managed by Sri Thirunavukkarasu Dhanalakshmi Educational Secretary and Chairman were concerned with the implementation and operational administrative aspects. The Principal governs the academic and administrative college. The Deans along with the HODs are in-charges of the academic and administrative activities. The teaching staff takes care of the academic activities with co-curricular activities. The office administration includes accounts maintenance, hostel manager administration. Organization structure of Arasu Engineering College with Board of Trustees on the top of decision making followed by Advisory Principal. The administrations of the academic and non academic activities Cells and Committees formed and authorized in the governing council. Cultural Committee, Cultural committee, Library Advisory committee, Hostel Committee, Training, Anti Ragging and grievances redressal committees will include thereby management wants the decision making is in the hands of the student chaired by the Chairman along with Advisor, Principal, Vice Principal, I University Nominee to ensure transparency in the selection process. College

headed by Chairman with representation of Advisor, Principal, HODs and well with an aim of developing the institute as an institution of excel

File Description	Documents
Paste link for additional information	
Link to Organogram of the institution webpage	
Upload any additional information	

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

File Description
ERP (Enterprise Resource Planning) Document
Screen shots of user inter faces
Any additional information
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)

6.3 - Faculty Empowerment Strategies

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

The college is implementing various schemes for the welfare of the teaching members. The staff members are encouraged and given financial assistance for education, to attend FDP in their field of interest, to attend and present at National/International conferences, to publish research papers in refereed journals, seminar, guest lecture, FDP for faculty members. Orientation programs are organized for newly recruited faculty members once in a year to enhance their teaching abilities. Faculty members are appreciated and motivated for their performance by means of certificate of appreciation. Faculty members are encouraged to attend the seminars/conferences as well as those organized by university and AICTE by providing on-duty. Cash awards and honorariums have been provided to the faculty members for their best performances in research. The faculty members were given on-duty to attend or either part-time in person in the outside world. The Institution provides the following to motivate the employees such as conducive working environment without harassment, insurance, vacation for teaching and non-teaching staff members every year, 7 days wedding leave, free transportation for both the teaching and non-teaching staff members. The faculty members are appreciated with incentives, promotion, etc.

File Description
Paste link for additional information
Upload any additional information

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops at professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops

of professional bodies during the year

199

File Description

Upload any additional information

Details of teachers provided with financial support to attend conference, workshops etc during the

6.3.3 - Number of professional development /administrative training programs organized by non-teaching staff during the year**6.3.3.1 - Total number of professional development /administrative training Programmes of teaching and non teaching staff during the year**

31

File Description

Reports of the Human Resource Development Centres (UGCASC or other relevant centres).

Reports of Academic Staff College or similar centers

Upload any additional information

Details of professional development / administrative training Programmes organized by the University and non teaching staff (Data Template)

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses)**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation Course, Refresher Course, Short Term Course during the year**

114

File Description

IQAC report summary

Reports of the Human Resource Development Centres (UGCASC or other relevant centers)

Upload any additional information

Details of teachers attending professional development programmes during the year (Data Template)

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The Management, Principal and HoD's are involved in the review of the performance of the faculty's appraisal, which includes incentive, allowances and promotions in turn this will be communicated. Promotion order copies are also filed in their individual files and maintained in the office. Faculty members have been asked to fill the annual performance appraisal form for the academic year. Appraisal based on the following criteria such as Experience, Professional Activities and Contribution made in academic and administration (Institution).

level & National level), developmental activities, Research, Contribution appraisal of the respective. Every year, faculty members have to submit Performance Appraisal of the faculty is evaluated according to the split teaching methodologies, course delivery, correction of answer scripts, and uniform coverage of syllabus and etc., These points carries 90 mark appraisal reports give quantitative assessment of a teacher on three Key Teaching, Research and Service. The targets are set for each of the categories below the minimum target level are advised to attend Faculty Development outside the college and opportunities are given for their improvement

File Description

Paste link for additional information

Upload any additional information

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various audits carried out during the year with the mechanism for settling audit objections within a month

Once in year statutory audit is conducted by the professionals. Audit is recognized Chartered Accountant. Internal audit is performed twice in a year. Students fee is the major source of the Institution. In addition management expenses like new building and major equipments required if any. The audit statement for all the previous years are available with accounts section. The fund required for the development is contributed by the management. The role in controlling the financial activities. The financial resources controlled in a very effective and foolproof manner. There is fully computerized accounting institute. Each and every transaction is supported by the vouchers. All bank and all expenditures, recurring and non-recurring, are incurred through authorized persons can operate the bank account. Department heads prepare on their requirements and submit to the management every academic year. the budget proposals and approve accordingly. The purchase will be made given budget proposal. If any deviation occurs in the budget, respective issue and give justification so that subsequently the same will be approved. procedure, unnecessary purchases are avoided and the available funds at institution has a pre-defined mechanism for internal and external audit by the internal auditor of the Institute. External audit conducted by the the end of every academic year stock of every department is verified by from other departments who act as internal auditors. The qualified remarks and auditor are taken into consideration for future course of actions.

File Description

Paste link for additional information

Upload any additional information

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers and (Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers and

4.18**File Description**

Annual statements of accounts

Any additional information

Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers (Data Template)

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Fee collected from students is the major source of the Institution. In funding for capital expenses like new building and major equipments rec income and expenditure statement for all the previous years are availab the college. Excess fund required for the development is contributed by utilization of funds is ensured by allocating proper funds to the conce from the respective departments are involved in the budgeting process.

File Description**Documents**

Paste link for additional information

Upload any additional information

6.5 - Internal Quality Assurance System**6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing processes**

The IQAC Cell of the college works towards improving and maintaining th identifying and suggesting new ways of using teaching aids, developing offering suggestions for the new self-finance courses. IQAC is an effec coordinating and monitoring mechanism. The IQAC plays a vital role in n quality of the institution and suggests quality enhancement measures to objectives are

1. To develop quality parameters for the activities of the college.
2. To facilitate the creation of a learner-centric environment conduci faculty maturation to adopt the required knowledge and technology f and learning process.
3. To solicit, format and implement feedback/ suggestions from stake h affairs.
4. To create quality consciousness among the stake holders especially and non-teaching faculty.
5. To document the steps taken and process implemented, leading to qua
6. To act as a nodal agency to coordinate quality related activities i
7. To organize inter and intra institutional workshops, seminars on qu promotion of quality circles.
8. To documentthe various programmes/activities of AEC, leading to qua
9. To act as a nodal agency of the college for coordinating quality-re adoption and dissemination of best practices.
10. To maintain institutional database through MIS and with ICT enabled

11. To prepare annual quality assurance report (AQAR) for NAAC to be submitted in the next academic year.

File Description

Paste link for additional information

Upload any additional information

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operation at periodic intervals through IQAC set up as per norms and recorded the incremental improvements.

The institution reviews its teaching learning process, structures & methodologies of operation at periodic intervals through IQAC set up as per norms and recorded the incremental improvements. It proposes some procedures for enhancing the teaching learning process. It is subjected to the faculty members based on their specialization and prepares the University curriculum. Teachers prepare the lesson plan and get it approved. It is assessed by Terminal Tests and model examination accordingly and informed to the students. Class committee meeting is held three times in a semester to fulfill their grievances. Assignments, seminars and models are given to provide exposure of their subjects. Finally course portfolio of the subject is completed, thus completing the teaching learning process of the semester.

File Description

Paste link for additional information

Upload any additional information

6.5.3 - Quality assurance initiatives of the institution include:
 Regular meeting of Internal Quality Assurance Cell (IQAC);
 Feedback collected, analyzed and used for improvements
 Collaborative quality initiatives with other institution(s)
 Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description

Paste web link of Annual reports of Institution

Upload e-copies of the accreditations and certifications

Upload any additional information

Upload details of Quality assurance initiatives of the institution (Data Template)

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The cross cutting issues such as Gender, Climate Change, Environmental etc., well incorporated into the curriculum itself. The subjects such as

Human Values, Environmental Science and Engineering are included in the subjects. The women empowerment cell in the Institution organizes programs for students. There is no gender bias in the Institute. ENVIRONMENTAL EDUCATION adopted rain water harvesting system to increase the recharge of ground rain water from the catchment areas and storing in reservoir (pond). HU formed an Anti-Ragging committee with the Principal as the convener. It controls ragging, which is a violation of fundamental human rights and beginning of every year, this committee forms an Anti-Ragging Squad for -The ICT (Information and Communication Technology) activities are in progress and communication enrichment with the students. The staff in-charge of the e-mail groups to convey the placement details, placement requirements, trainings and interviews. The entire campus is connected through LAN and members of ICT Academy of Tamilnadu (ICTACT), an Initiative of Government of Tamil Nadu and Industry which is a not-for-profit autonomous organization, are working for the quality of students passing out of Institutions in Tamil Nadu, to make them immediately employable in the ICT industry. Our faculty members have been working to transfer the needs of the industry to the students. WOMEN EMPOWERMENT CELL of our college is established to empower our women students and staff to react suitably to the issues pertaining to women students. In addition to addressing their needs and concerns, the cell creates awareness of rights and responsibilities and arduously to enhance their status and thereby empowers them intellectually. Various programmes are arranged under the auspices of this cell to empower women.

The college sensitizes its staff and students on issues such as gender, by arranging lectures, workshops, seminars, documentary film, invited talks and presentations. Women empowerment cell is also functioning in our Institution. All staff member of both the genders are treated equally in all aspects. They are treated equally in religious aspects. NSS camps are organized for the staff. Social issues and plantation of trees are given importance during the camps organized by NSS frequently. The students come forward and donate blood to the public. Regular medical checkup for the staff members conducted by YRC. Health camps for staff members. Seminars are conducted on Women Empowerment.

File Description
Annual gender sensitization action plan
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	C. Any 2 of the above
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File Description	Documents
Geo tagged Photographs	
Any other relevant information	N

7.1.3 - Describe the facilities in the Institution for the management of the following types of d

(within 200 words) Solid waste management Liquid waste management Biomedical waste management recycling system Hazardous chemicals and radioactive waste management

The waste management system is very effectively implemented in our college. Solid waste is collected and disposed in a safe manner. So many people are employed to sweepers collect the wastes and dispose it. The solid wastes such as paper, plastic, etc. are collected and disposed. The liquid waste management is done in a recycling system. The college takes a serious measure for waste management, universal wastes" such as some specialty batteries (e.g. lithium or lead containing batteries) and disposed. E-wastes are considered dangerous, as certain components of electronic materials that are hazardous, depending on their condition and density. Copiers, printers, electric lamps, audio equipment and batteries are properly disposed. Following are the measures taken by the college to make the campus eco-friendly. The energy conservation leads to the saving of electric power. The losses are quantified and the ways for reduction of these losses are identified and implemented. Surface uniformity is maintained in the HT circuit breakers to ensure their proper operation. Energy efficient fuses are used. Rain Water harvesting All the buildings are equipped with rain water harvesting system to accumulate the rainwater, rather than allowing it to run off. It increases the ground water level significantly. The large number of trees on the campus plays a vital part in carbon neutrality. Also, as an initiative to reduce the carbon footprints, all the computers in the campus have LCD monitors. We have taken all possible measures to minimize the carbon emission. Plantations We plant around 200 trees every year. The whole college is surrounded by lush green trees. Hazardous waste management The college takes a serious measure for waste management, universal wastes" such as some specialty batteries (e.g. lithium or lead containing batteries) and disposed. E-waste management E-wastes are considered dangerous, as certain electronic products contain materials that are hazardous, depending on their condition. Computers, copiers, fax machines, electric lamps, audio equipment and batteries are properly disposed.

File Description	
Relevant documents like agreements / MoUs with Government and other approved agencies	
Geo tagged photographs of the facilities	

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the following
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File Description		Documents
Geo tagged photographs / videos of the facilities		
Any other relevant information		

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows:	

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description

Geo tagged photos / videos of the facilities

Various policy documents / decisions circulated for implementation

Any other relevant documents

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

File Description

Reports on environment and energy audits submitted by the auditing agency

Certification by the auditing agency

Certificates of the awards received

Any other relevant information

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the

File Description

Geo tagged photographs / videos of the facilities

Policy documents and information brochures on the support to be provided

Details of the Software procured for providing the assistance

Any other relevant information

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words)

The institute is proactively taking efforts in providing a better environment to promote better education, economic upliftment of the needy and setting

1. Unnat Bharat Abhiyaan (Under Ministry of HRD)-Adopted 4 villages in and conduct activities for their socio-economic development. The college has tested these villages for increasing their environmental and ethical awareness. It has tested the quality of drinking water available in these villages. It has implemented the project DC micro grid based Solar PV generator for UBA scheme.
2. The College organized extension activities such as Covid awareness camp for the benefit of the society. Arasu Community Radio station programmes relevant to Health and Social Issues.
3. Blanket Distribution to needy people has been conducted in the area for socio economic upliftment.
4. The college has also donated automatic hand sanitizer to Government
5. Blood donation camp is annually organized at the College NSS and YF faculty and staff contributed voluntarily by donating blood for the society and proudly adorn the badge of a blood donor.

File Description
Supporting documents on the information provided (as reflected in the administrative and academic the Institution)
Any other relevant information

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations and responsibilities of citizens

The institution sensitizes the students and the employees to the constitutional values, rights, duties and responsibilities and constantly works upon to educate the citizens of the country through various curricular and extra-curricular

The college hoists the flag during national festivals and invites eminent students and staff by informing the qualities of freedom fighters and their responsibilities of citizens.

The college establishes policies that reflect core values. Code of conduct for students and staff and everyone should obey the conduct rules. The college encourages students in Sports and Games, NCC and NSS at National level to strengthen their relation. The college regularly organizes cleaning activity of Mahatma Scheme.

File Description	Docu
Details of activities that inculcate values; necessary to render students in to responsible citizens	
Any other relevant information	

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and

A. All of the above

conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

File Description

Code of ethics policy document

Details of the monitoring committee composition and minutes of the committee meeting, number organized, reports on the various programs etc., in support of the claims

Any other relevant information

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

The college is committed to promote ethics and values amongst students

The college organizes National festivals as well as Anniversaries for t Personalities.

The following days are celebrated:

1. Teachers day(5th Sept) as birthday of great teacher Dr.Sarvapalli F
2. Engineers day (15th Sept) - The Birth anniversary of Sir M.Visvesva the country.
3. International Women's Day(8th March)
4. International Yoga day (21st June)
5. Independence day(15th August)
6. Republic day(26th Jan)
7. World environment day(5thJune)
8. NSS day(24th Sept)
9. World Students' Day (15th October)

File Description

Annual report of the celebrations and commemorative events for the last (During the year)

Geo tagged photographs of some of the events

Any other relevant information

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC fo

Best Practice 1:

Title of the Practice: Efficient implementation of course delivery thro fostering effective knowledge transfer.

1.Goals

- To ensure that courses offered to students are allotted to competent adequate expertise and experience to teach the course.
- To ensure that the faculty member, well ahead of the beginning of the course objectives and outcomes, adequate study material, present software tools, lesson plan, question bank and get approved by HOD/
- To monitor online course delivery continuously during the progress feedback/input given by the stakeholders.
- To put a system in place for measuring the attainment of the intended quantitatively for each course.

2.The Context

In any higher educational institution, knowledge transfer is one of the focused. In this context, establishing a robust system to scientifically are to be achieved, developing processes to transfer the knowledge and the outcomes quantitatively are followed periodically. Appropriate steps improvement which is very essential.

3.The Practice

In the beginning of the every semester, it is ensured that teachers of well equipped to handle the courses assigned to them. As the semester is delivered as per the lesson plan prepared. Periodically head of the department of the course delivery and ensure that the course delivery is in line with of any deviation, suitable measures are taken to bring it in line with feedback is collected from students and appropriate measures are taken

1. Feedback from the students collected in the Class Committee meeting second internal assessment tests.
2. Feedback is taken from the students on the teaching of every course
3. Once in a year parent teacher meeting is arranged to get parents' views concerns raised appropriate actions are taken. Performance of the student assessment tests is taken as an indicator and used to categorize student

4.Evidence of Success

There is an overall improvement in the university results and placement pass percentage are achieved, even with increasing number of graduates

5.Problems Encountered and Resources Required

A great deal of time is to be set apart by all the faculty members in a relevant documentation, apart from the time spent for the class room teaching facilities and applications are required to conduct class.

Best Practice 2 :

Title of the Practice : Project based learning

1. Goal

The objectives of this project based learning of this institution are as follows:

- To enhance the innovative skills of the student
- To encourage the students to make projects to meet the challenges in the real world
- To obtain the exposure of technical skills regarding project development
- To induce the students to participate in the project expo conducted in various colleges/universities
- It also develops the presentation skill of the student when the project is presented

2.The Context

The contextual feature of this system is to make technically well equipped students have a chance to learn and create the innovative projects. Here it gives an opportunity to solve industrial and social problems and make solutions for them through the project based learning.

3.The practice

Innovative projects are published in media and the device developed is used to showcase the innovations of the students, the faculty members have been forming a project team and encouraged them to participate in HACKATHON and other Project Expo.

4.Evidence of success

The students have undergone their academic project with full-fledged ideas. The following students from the various departments of this institution participated with their innovative projects and won the prizes in those competitions.

Project based learning for the academic year 2020 2021

S. No.	Department	Name of the projects	Name of the Students
1.	Auto	Solar Powered Electric car with Variable Wheelbase Technology	U. Sivakumar T. G. Rajees S. Srimarinivas N. Vignesh P. Pugazhenth
2.	CIVIL	Utilization of Municipal Solid Waste as Construction Block	G.Jeevithalakshmi M.Durgadevi S.Sukima.
3.	CSE	Smart Power Distribution	Prabha.A Subathra.K

			Shafreenshafa.S
4.	CSE	Smart Security Management System	Arthi.S Arthika.K Swarnamalya.K
5.	CSE	AI based cultivation of crops under automated greenhouse using IOT	Preethi.M Sangamithra.D Vijaya.P
6.	ECE	Digital AI Stethoscope	AmsathKhan .K Govindhan .J.M Hrithik Sriram .S Mohammed Ali Jinna .A
7.	ECE	Design of Intelligent Mirror Using IoT and AI	Pradeep .S Senthilkumar. B Shanmugam. M
8.	ECE	Power Generation using Piezo Sensor	Bavithra .B Nivetha .G Priya Dharshini .V Saranya .K
9.	EEE	Sensor Based Flood & Landslide Pre-Alert System	N. Akash R. Bharath N. Prem Ganesh R. Vinith
10.	EEE	Preparation of Vermicomposting System Using Automation Technology	R. Anbuselvan S. Hariharan P. Karthick A.J. Mohamed Fasith
11.	EEE	Perception of Radio Frequency Based Indoor Assistive Direction And Localization for Visually Impaired People	M. Mohamed Sameer D. Sivapriyan J. Jayasurya E. Praveen Kumar

12.	MECH	Design and Fabrication of Smart e-Bike	Mr. P. Vignesh
13.	MECH	Design and Fabrication of TEG Cook stove	Mr. R. Vijay

File Description	Documents
Best practices in the Institutional website	https://www.youtube.com/watch?v=C6XFz
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thru

Our institution is located in a rural area. Many of our students are fr belong to first graduate category. Keeping this in mind, our college gi enhance the skills of the students to face the global challenges. Motiv conducted to make them aware of the society. Experts from all walks of (IPS), Indian Administrative Service (IAS), Doctors, Environmentalists, experts, business people, Human resource managers, sports personalities are invited and awareness programmes are conducted to enhance the skill aspects to face the society with confidence. Moreover the students are updated technological developments in the field of science and technolc to publish their projects in media and proper guidance and support prov project proposal in Tamilnadu State Council of Science and Technology

File Description	Documen
Appropriate web in the Institutional website	
Any other relevant information	

7.3.2 - Plan of action for the next academic year

1. To submit the project proposal to various funding agencies
2. To conduct more number of value-added and certificate courses

3. To encourage the faculty members to pursue higher studies
4. To encourage the faculty members to publish paper in peer reviewed
5. To collaborative with industries by signing MoU