



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

|   |  |   |
|---|--|---|
| <b>1. Name of the Institution</b>             |  | ADHI COLLEGE OF ENGINEERING AND TECHNOLOGY  |
| Name of the head of the Institution           |  | A. Devaraju   |
| Designation                                   |  | Principal   |
| Does the Institution function from own campus |  | Yes   |
| Phone no/Alternate Phone no.                  |  | 04427290096   |
| Mobile no.                                    |  | 9789133629  |
| Registered Email                              |  | principal@adhi.edu.in   |
| Alternate Email                               |  | adevaa2011@gmail.com  |
| Address                                       |  | No. 6 Munu Adhi Nagar, Sankarapuram, Puliambakkam Post, Near Walajabad, Kanchipuram |
| City/Town                                     |  | Kanchipuram   |
| State/UT                                      |  | Tamil Nadu  |

| Pincode  | 631605  |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
|--|---|------|----------------------|---------------------------------------|-------------|-------|-------|------|----------------------|----------|--|-------------|-----------|---|---|------|------|-------------|-------------|
| <b>2. Institutional Status</b>   |   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Affiliated / Constituent   | Affiliated  |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Type of Institution  | Co-education  |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Location   | Rural   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Financial Status   | private   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Name of the IQAC co-ordinator/Director   | J. Gayathri Monicka   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Phone no/Alternate Phone no.   | 04427290096   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Mobile no.   | 9952971485  |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Registered Email   | iqac@adhi.edu.in  |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Alternate Email  | vp@adhi.edu.in  |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| <b>3. Website Address</b>  |   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Web-link of the AQAR: (Previous Academic Year)   | <a href="https://adhi.edu.in/iqac.php">https://adhi.edu.in/iqac.php</a>   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| <b>4. Whether Academic Calendar prepared during the year</b>   | Yes   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| if yes,whether it is uploaded in the institutional website:<br>Weblink :   | <a href="https://adhi.edu.in/ext_files/images/IOACFORM/ODD%20Sem%20Jun-%20Dec%2018.pdf">https://adhi.edu.in/ext_files/images/IOACFORM/ODD%20Sem%20Jun-%20Dec%2018.pdf</a> |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| <b>5. Accrediation Details</b>   |   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| <table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>C</td> <td>1.98</td> <td>2019</td> <td>08-Feb-2019</td> <td>02-Jul-2024</td> </tr> </tbody> </table> |   |      |                      |                                       |             | Cycle | Grade | CGPA | Year of Accrediation | Validity |  | Period From | Period To | 1 | C | 1.98 | 2019 | 08-Feb-2019 | 02-Jul-2024 |
| Cycle  | Grade   | CGPA | Year of Accrediation | Validity                              |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
|  |   |      |                      | Period From                           | Period To   |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| 1  | C   | 1.98 | 2019                 | 08-Feb-2019                           | 02-Jul-2024 |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| <b>6. Date of Establishment of IQAC</b>  | 31-Oct-2016   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| <b>7. Internal Quality Assurance System</b>  |   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Quality initiatives by IQAC during the year for promoting quality culture  |   |      |                      |                                       |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |
| Item /Title of the quality initiative by IQAC  | Date & Duration   |      |                      | Number of participants/ beneficiaries |             |       |       |      |                      |          |  |             |           |   |   |      |      |             |             |

|  |                  |    |
|--|------------------|----|
| Academic & Administrative Audit  | 28-Dec-2018<br>1 | 10 |
| Meeting related to preparation of student satisfaction survey report by IQAC | 07-Jan-2019<br>2 | 15 |
| Monthly review meetings  | 18-Feb-2019<br>8 | 20 |
| Researcher's Meet  | 07-Mar-2019<br>4 | 13 |
| <a href="#">View File</a>  |                  |    |

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

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|--------------------------------|--------|----------------|-----------------------------|--------|
| Nil                            | Nil    | Nil            | 2019<br>0                   | 0      |
| <a href="#">View File</a>      |        |                |                             |        |

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

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

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

Ø IQAC organized workshop on NBA accreditation process. Ø IQAC organized workshop on Research Methodology 2018 Ø Conducted Orientation programme Ø Conducted Academic Administrative audit Ø Conducted workshop for Faculty on Outcome Based Education and Pedagogy

[View File](#)

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

| Plan of Action                                   | Achivements/Outcomes  |
|--|---|
| Conducting the Workshops on Research methodology | An improvement in staff research publications.                                  |
| Active Learning through Digital resources        | A significant improvement in involvement in Smart Hackathon Project competition |
| Conducting Seminars                              | A significant improvement in the Anna University results.                       |
| <a href="#">View File</a>                        |   |

|  |   |
|--|---|
| <b>14. Whether AQAR was placed before statutory body ?</b>   | No  |
| <b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b> | Yes   |
| Date of Visit  | 06-Sep-2018   |
| <b>16. Whether institutional data submitted to AISHE:</b>  | Yes   |
| Year of Submission   | 2019  |
| Date of Submission   | 04-Jan-2019   |
| <b>17. Does the Institution have Management Information System ?</b>   | Yes   |
| If yes, give a brief description and a list of modules currently operational (maximum 500 words)                       | Adhi college of Engineering and Technology is monitoring under Management Information System, To access easily for the students and staff, regarding academic and nonacademic activities. Academic activities like Academic calendar to ensure the accurate number of working days, Class committee schedule provides the remarks, feedback and further development of action plan towards the academic year, course committee plan in the concern department deals with the coordination of the department faculties along with their concern head, subject allocation will depend on the area of specialization and experience of the every individual faculty, Syllabus will be completely |

follow as per the instruction of Anna University, timetable, tutorial class schedule will be an evaluation for the students to upgrade in their subject, Lab hours , Viva vice questions, Lesson plan, Weekly plan. Along with this for our further development we have Biometric attendance system for staff and Institutional email system. Non Academic Activities such as Mentoring System to motivate and to clear the grievances of the students, Library facilities with all the basic information's of the availability of books, magazines and journals. Training and Placement schedule with On campus drive and Off campus drive, Placed students details, Sample aptitude and verbal ability questions will be available.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Adhi College of Engineering and Technology is affiliated to Anna University, follows the University prescribed curriculum. With the prescribed curriculum of Anna University we will set academic calendar in accordance with the syllabus to make the teaching and learning process very effectively with the help of IQAC. Based on the expertisation of the subject, the head of the department will allot subjects to the faculties. Theory and Practical classes will be held according with the time table schedule which will be displayed through various means for instant notification of our students. Along with the conventional method of teaching, we included ICT based learning such as Smart class, live learning through YouTube supportive video which helps the students effectively to participate in learning process. Every week Friday the meeting was scheduled for teachers to plan and improve the next progress of the students.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate                                   | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entrepreneurship | Skill Development |
|---|-----------------|-----------------------|----------|--|-------------------|
| AUTOCAD                                       | Nil             | 01/03/2019            | 5        | Employability                            | Designing         |
| Staad Pro, Introduction to Revit Architecture | Nil             | 02/07/2018            | 5        | Employability                            | Designing         |
| Mobile Application Development                | Nil             | 02/01/2019            | 4        | Employability                            | Technical         |

#### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course                          | Programme Specialization | Dates of Introduction |
|---|--------------------------|-----------------------|
| <b>No Data Entered/Not Applicable !!!</b> |                          |                       |
| <a href="#">View File</a>                 |                          |                       |

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

| Name of programmes adopting CBCS | Programme Specialization                 | Date of implementation of CBCS/Elective Course System |
|----------------------------------|--|---|
| BE                               | MECHANICAL ENGINEERING                   | 18/06/2018  |
| BE                               | Electrical And Communication Engineering | 18/06/2018  |
| BE                               | Electrical And Electronics Engineering   | 18/06/2018  |
| BE                               | Computer Science And Engineering         | 18/06/2018  |
| BE                               | Civil Engineering                        | 18/06/2018  |
| ME                               | Engineering Design                       | 18/06/2018  |
| ME                               | Communication Systems                    | 18/06/2018  |

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

|                    | Certificate | Diploma Course |
|--------------------|-------------|----------------|
| Number of Students | 54          | 0              |

**1.3 – Curriculum Enrichment**

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

| Value Added Courses           | Date of Introduction | Number of Students Enrolled |
|-------------------------------|----------------------|-----------------------------|
| PHP MYSQL                     | 01/08/2018           | 15                          |
| 3d printing                   | 06/08/2018           | 18                          |
| Building Information Modeling | 30/07/2018           | 5                           |
| <a href="#">View File</a>     |                      |                             |

1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization                 | No. of students enrolled for Field Projects / Internships |
|-------------------------|--|---|
| BE                      | MECHANICAL ENGINEERING                   | 15  |
| BE                      | Electrical And Communication Engineering | 12  |
| BE                      | Electrical And Electronics Engineering   | 8   |
| BE                      | Computer Science And Engineering         | 16  |
| BE                      | Civil Engineering                        | 8   |
| ME                      | Engineering Design                       | 2   |
| ME                      | Communication Systems                    | 2   |

[View File](#)

## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

|           |     |
|-----------|-----|
| Students  | Yes |
| Teachers  | Yes |
| Employers | Yes |
| Alumni    | Yes |
| Parents   | Yes |

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

### Feedback Obtained

The feedback collected from the Teachers, parents, alumni and student's satisfaction survey, we improved a lot in the remedial classes and tutorial classes which helps to improve the progress and further development of our institution. Feedback related to communication of our students, solution is given to precede them with the participation of seminars, workshops and Paper presentation. Adhi college of Engineering and Technology has appointed a research mentor to collect the feedback from research aspects like requirements of equipment, proper exposure of our institution research facility through consultancy process, to improve the number of research scholars, developed the involvement of the students in participating the research conferences. Feedbacks received from students improved their industrial visit and industry oriented training. Feedbacks from suggestion box were properly analyzed and addressed by the management with the help of counselor.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization                 | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|--|---------------------------|--------------------------------|-------------------|
| BE                    | Mechanical Engineering                   | 120                       | 70                             | 60                |
| BE                    | Electrical And Communication Engineering | 90                        | 70                             | 69                |
| BE                    | Electrical And Electronics Engineering   | 60                        | 33                             | 28                |
| BE                    | computer science and Engineering         | 60                        | 52                             | 45                |
| BE                    | Civil Engineering                        | 60                        | 32                             | 29                |
| ME                    | Engineering Design                       | 24                        | 8                              | 6                 |
| ME                    | Communication Systems                    | 24                        | 3                              | 3                 |

[View File](#)

## 2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2018 | 1110  | 18  | 103   | 6   | 2  |

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 109                        | 109   | 5                                 | 38                               | 38                         | 8                               |

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

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

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

The mentoring system is the effective approach to locate the problems easily through personal counseling. In our institution we are following it from 2012. According to this system each faculty will be allocated with 15 students and they have to meet one student per day. During this meeting, mentor and mentee will have variety of discussion over the area of facilities in college, subject related issues, teacher and student relationship and further progress of their future. The above topics can be grouped in to Academic and non-academic issues. These problems and discussions will be sent to the chief mentor by the faculties. If the issues were related to institution, faculty or something else than the student, then the chief mentor will escalate the problem to the management and the remedial steps will be taken in the concern of student's good future. Not only that, in other hand mentoring system helps to locate the misconceptions, confusions, exam fear and anxiety, etc.. of the mentees to self recover them through regular counseling. At the end of each month consolidated report from all the mentors will be given to the chief mentor. Then the chief mentor will be the checker board to verify, the remedial action has taken or not. With the help of this system, really there is gradual increase in students behavior, learning capability, thinking capacity and problem solving.....etc.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|--|-----------------------------|-----------------------|
| 1128   | 109                         | 1:10                  |

## 2.4 – Teacher Profile and Quality

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

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 2                           | 2                       | 0                | 2  | 0                        |

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

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---------------|---|-------------|--|
|---------------|---|-------------|--|



|                           |                |                     |                                  |
|---------------------------|----------------|---------------------|----------------------------------|
| 2018                      | A. Devaraju    | Professor           | Best Research Paper Award        |
| 2018                      | I Saravanan    | Associate Professor | Best Reviewer Award              |
| 2018                      | V. Paranthaman | Professor           | Best Trouble Shooter             |
| 2018                      | D. Palanisamy  | Associate Professor | Best Academic Co-ordinator Award |
| 2018                      | .K.S.Thangavel | Assistant Professor | Humanity Award (Lions Club)      |
| <a href="#">View File</a> |                |                     |                                  |

## 2.5 – Evaluation Process and Reforms

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

| Programme Name | Programme Code | Semester/ year   | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|----------------|----------------|--|--|---|
| BE             | 106            | II Sem / I Year  | 30/05/2018   | 13/10/2018  |
| BE             | 106            | IV Sem / II Year, VII Sem / III Year, VIII Sem / IV Year | 01/06/2018   | 30/06/2018  |
| BE             | 105            | II Sem / I Year  | 30/05/2018   | 13/10/2018  |
| BE             | 105            | IV Sem / II Year, VII Sem / III Year, VIII Sem / IV Year | 01/06/2018   | 30/06/2018  |
| BE             | 104            | II Sem / I Year  | 30/05/2018   | 13/10/2018  |
| BE             | 104            | IV Sem / II Year, VII Sem / III Year, VIII Sem / IV Year | 01/06/2018   | 30/06/2018  |
| BE             | 114            | II Sem / I Year  | 30/05/2018   | 13/10/2018  |
| BE             | 114            | IV Sem / II Year, VII Sem / III Year, VIII Sem / IV Year | 01/06/2018   | 30/06/2018  |
| BE             | 103            | II Sem / I Year  | 30/05/2018   | 13/10/2018  |
| BE             | 103            | IV Sem / II Year, VII Sem / III Year, VIII Sem / IV Year | 01/06/2018   | 30/06/2018  |

[View File](#)

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

Internal evaluation will conduct through Exam cell under the supervision of Exam cell. Internal marks based on the performance of Internal Examination plays vital role to secure high marks in university examination. Exam Cell will ensure whether the question paper satisfy in accordance with the Bloom's Taxonomy. The answer scripts of the students are shown to the students and necessary suggestions will be given by the faculty to improvise their CGPA. Evaluated papers will be again evaluated by evaluation checking committee for further improvisation to strengthen the evaluation process. The projects of the students have to be carried under the supervision of their guides. The review of the project will be done with review one, review two and review three to make it better.

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

Academic calendar is framed under the guidance of IQAC members before the starting of every semester. It consists of IAE schedule, and also we will ensure no. of working days accurately, holidays will be planned as per Anna university instructions. The academic calendar consist Iae schedules, holidays list, working days, study holidays, last working days, sports meet, Events day, model exam time tables and model practical exam schedules...etc. The academic calendar will be displayed in MIS, common and class notice boards to create the transparency and awareness among the students and staff members. Local holidays will be decided with announcement of the district level administrator.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.adhi.edu.in/mech/index.php>

## 2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization                  | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|----------------|----------------|---|---|---|-----------------|
| 106            | BE             | Electronics and Communication Engineering | 44  | 41  | 93.18           |
| 105            | BE             | Electrical and Electronics Engineering    | 29  | 27  | 93.1            |
| 104            | BE             | Computer Science Engineering              | 39  | 37  | 94.87           |
| 114            | BE             | Mechanical Engineering                    | 85  | 62  | 72.94           |
| 103            | BE             | Civil Engineering                         | 42  | 32  | 76.19           |
| Nil            | ME             | Communication Systems                     | 1   | 1   | 100             |

|                           |    |                    |   |   |       |
|---------------------------|----|--------------------|---|---|-------|
| Nil                       | ME | Engineering Design | 7 | 3 | 42.85 |
| <a href="#">View File</a> |    |                    |   |   |       |

## 2.7 – Student Satisfaction Survey

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

[https://adhi.edu.in/ext\\_files/images/IOACFORM/Student%20satisfaction%20survey%202018-2019.pdf](https://adhi.edu.in/ext_files/images/IOACFORM/Student%20satisfaction%20survey%202018-2019.pdf)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

| Nature of the Project  | Duration | Name of the funding agency                     | Total grant sanctioned | Amount received during the year |
|--|----------|--|------------------------|---------------------------------|
| Projects sponsored by the University                                 | 120      | AYAAN FOUNDATION                               | 10000                  | 10000                           |
| Minor Projects   | 120      | Global Techno Solutions                        | 6000                   | 6000                            |
| Students Research Projects (Other than compulsory by the University) | 120      | VI Micro systems                               | 3000                   | 3000                            |
| Interdisciplinary Projects   | 120      | Dr.APJ Abdul Kalam Centre for Advance Research | 5000                   | 5000                            |
| <a href="#">View File</a>  |          |  |                        |                                 |

### 3.2 – Innovation Ecosystem

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

| Title of workshop/seminar                           | Name of the Dept. | Date       |
|---|-------------------|------------|
| Cyber Crime Security in Social Media                | CSE               | 13/07/2018 |
| Software Quality Assurance                          | CSE               | 25/08/2018 |
| Cyber Forensic Tools                                | CSE               | 25/09/2018 |
| Hosting Website on Cloud                            | CSE               | 26/12/2018 |
| World Youth Change Makers                           | CSE               | 03/01/2019 |
| Industry 4.0 (Workshop)                             | EEE               | 02/07/2018 |
| Machine Learning and Hands on With IoT Applications | EEE               | 09/08/2018 |
| PLC Automation and SCADA                            | EEE               | 17/09/2018 |

|   |            |            |
|---|------------|------------|
| Industrial Automation<br>(Seminar)                                  | EEE        | 25/08/2018 |
| TOTAL STATION SURVEY  | CIVIL      | 04/09/2018 |
| ADVANCED METHOD OF<br>PACKAGED SEWAGE TREATMENT                     | CIVIL      | 24/08/2018 |
| construction practices  | CIVIL      | 10/09/2018 |
| "TWO DAYS WORKSHOP ON 3D<br>PRINTING                                | CIVIL      | 13/08/2018 |
| Deep Learning Using<br>Tensor Flow                                  | ECE        | 18/02/2019 |
| Mobile Application<br>Development                                   | ECE        | 06/02/2019 |
| Emerging Trends in IOTs<br>Its Applications                         | ECE        | 27/12/2018 |
| Cyber Crime And Security<br>In Social Media                         | ECE        | 13/07/2018 |
| Smart India Hackathon<br>Awareness Program                          | ECE        | 10/01/2019 |
| WORKSHOP ON ROBOTICS  | MECHANICAL | 11/09/2018 |
| WORKSHOP ON HAND HELD 3D<br>SCANNER                                 | MECHANICAL | 10/08/2018 |
| WORKSHOP ON POWER PLANT<br>ENGINEERING                              | MECHANICAL | 04/08/2018 |
| INAUGURAL OF INDIAN<br>WELDING SOCIETY                              | MECHANICAL | 02/08/2018 |
| CERTIFIED SOLIDWORKS<br>ASSOCIATE EXAMINATION BY<br>DASSAULT SYSTEM | MECHANICAL | 28/07/2018 |
| RECENT DEVELOPMENT IN<br>WIND ENERGY TECHNOLOGY                     | MECHANICAL | 25/07/2018 |

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

| Title of the innovation  | Name of Awardee           | Awarding Agency   | Date of award | Category |
|--------------------------|---------------------------|---|---------------|----------|
| Smart India<br>Hackathon | M. Shanmuga<br>naga priya | Knowledge<br>Sharing<br>ministry of<br>labour and<br>employment | 02/03/2019    | Student  |
| Smart India<br>Hackathon | R. Pavithra               | Knowledge<br>Sharing<br>ministry of<br>labour and<br>employment | 02/03/2019    | Student  |
| Smart India<br>Hackathon | P. Rajasree               | Knowledge<br>Sharing<br>ministry of<br>labour and<br>employment | 02/03/2019    | Student  |
| Smart India              | V. Sabeetha               | Knowledge   | 02/03/2019    | Student  |

|                       |                |   |            |         |
|-----------------------|----------------|---|------------|---------|
| Hackathon             |                | Sharing ministry of labour and employment |            |         |
| Best Conference Paper | P. Subalakshmi | Rrase College of Engineering              | 09/03/2019 | Student |
| Best Conference Paper | D. Jasmine     | Rrase College of Engineering              | 09/03/2019 | Student |
| Best Conference Paper | S. Nithya      | Rrase College of Engineering              | 09/03/2019 | Student |
| Best Conference Paper | N. Prabavathy  | Rrase College of Engineering              | 09/03/2019 | Student |
| Best Conference Paper | C. Meenatchi   | Rrase College of Engineering              | 09/03/2019 | Student |
| Best Conference Paper | N. Pavithra    | Rrase College of Engineering              | 09/03/2019 | Student |

[View File](#)

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

| Incubation Center | Name | Sponsered By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|-------------------|------|--------------|----------------------|--------------------|----------------------|
| NIL               | NIL  | NIL          | NIL                  | NIL                | Nil                  |

[View File](#)

### 3.3 – Research Publications and Awards

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

| State | National | International |
|-------|----------|---------------|
| 3     | 0        | 0             |

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

| Name of the Department | Number of PhD's Awarded |
|------------------------|-------------------------|
| EEE                    | 1                       |

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

| Type          | Department             | Number of Publication | Average Impact Factor (if any) |
|---------------|------------------------|-----------------------|--------------------------------|
| National      | Mechanical Engineering | 9                     | 3.3                            |
| National      | ECE                    | 4                     | 1.6                            |
| International | CIVIL ENGINEERING      | 1                     | 3.52                           |
| National      | CIVIL ENGINEERING      | 1                     | 0.13                           |
| International | EEE                    | 3                     | 0.4                            |
| National      | CSE                    | 1                     | 0.4                            |

[View File](#)

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

| Department                                | Number of Publication |
|---|-----------------------|
| COMPUTER SCIENCE ENGINEERING              | 2                     |
| ELECTRICAL AND ELECTRONICS ENGINEERING    | 2                     |
| CIVIL ENGINEERING                         | 2                     |
| ELECTRONICS AND COMMUNICATION ENGINEERING | 1                     |

[View File](#)

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

| Title of the Paper   | Name of Author   | Title of journal             | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|--|--|------------------------------|---------------------|----------------|---|---|
| Improved Thermal Energy Storage Behavior of a Novel Nanofluid as Phase Change Material (PCM)   | S Hari Krishnan, A Devaraju, GR Kumar, S Kalaiselvam   | Materials Today: Proceedings | 2019                | 4              | Adhi College of Engineering and Technology                | 4   |
| Experimental investigation of improved thermal characteristics of SiO <sub>2</sub> /myristic acid nanofluid as phase change material (PCM) | S Hari Krishnan, A Devaraju, P Sivasamy, S Kalaiselvam | Materials Today: Proceedings | 2019                | 5              | Adhi College of Engineering and Technology                | 5   |
| Preparation and enhanced capacitive behavior of Ni-ZnO nanocomposite as electrode  | P Anandhi, V Jawahar Senthil Kumar, S Hari Krishnan    | Materials Today: Proceedings | 2019                | 3              | Adhi College of Engineering and Technology                | 3   |

|  |  |                                      |      |   |  |   |
|--|--|--------------------------------------|------|---|--|---|
| for supercapacitor   |  |                                      |      |   |  |   |
| Software as a service by interoperating in a multi-cloud environment   | I Saravanan, Rajeswari Sridhar   | Materials Today: Proceedings         | 2019 | 0 | Adhi College of Engineering and Technology | 0 |
| INFLUENCE OF WIRE-EDM TEXTURED CONVENTIONAL TUNGSTEN CARBIDE INSERTS IN MACHINING OF AEROSPACE MATERIALS (Ti-6Al-4V Alloy) | D Manikandan, D Arulkirubakaran, D Palanisamy, RameshRaju                  | MATERIALS AND MANUFACTURING PROCESS  | 2019 | 7 | Adhi College of Engineering and Technology | 7 |
| Machinability analysis of high strength materials with Cryo-Treated textured tungsten carbide inserts                      | D Palanisamy, K Balasubramanian, N Manikandan, D Arulkirubakaran, R Ramesh | MATERIALS AND MANUFACTURING PROCESSE | 2019 | 4 | Adhi College of Engineering and Technology | 4 |
| Machinability analysis and application of response surface approach on CNC turning of LM6/SiCp composites                  | Palanisamy Duraisamy Balasubramanian K, Nataraj. M                         | MATERIALS AND MANUFACTURING PROCESSE | 2019 | 3 | Adhi College of Engineering and Technology | 3 |
| Machinability studies on precipitation hardened stainless  | D Arulkirubakaran, K Balasubramanian, R Raju, D Palanisamy, N              | NISCAIR-CSIR, India                  | 2019 | 3 | Adhi College of Engineering and Technology | 3 |

|   |   |   |      |   |  |   |
|---|---|---|------|---|--|---|
| steel using cryo-treated textured carbide inserts   | Manikandan  |   |      |   |  |   |
| Analysis of structure property relationship of super duplex stainless steel AISI 2507 weldments for severe corrosive environments | V Paranthaman, K Shanmuga Sundaram, A Vinoth Jebaraj                      | IOP Publishing                                  | 2019 | 1 | Adhi College of Engineering and Technology | 1 |
| Evaluation of Anaerobic Digester for Treating Tannery Effluent by Water Displacement Method                                       | B.Sasivarnan and M.Rajeshkannan, V.Sowmiya, E.Subashchandrabose, R.Swetha | International Journal of Engineering Technology | 2018 | 0 | Adhi College of Engineering and Technology | 0 |
| <a href="#">View File</a>   |   |   |      |   |  |   |

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

| Title of the Paper  | Name of Author   | Title of journal            | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|--|-----------------------------|---------------------|---------|---|---|
| Machinability studies on precipitation hardened stainless steel using cryo-treated textured carbide inserts | D Arulkirubakaran, K Balasubramanian, R Raju, D Palanisamy, N Manikandan | NISCAIR-CSIR, India         | 2019                | 2       | 2   | Adhi College of Engineering and Technology                |
| Machinability analysis  | Palanisamy Duraisamy   | MATERIALS AND MANUFACTURING | 2019                | 1       | 1   | Adhi College of Engineering                               |



|  |  |                                     |      |   |   |  |
|--|--|-------------------------------------|------|---|---|--|
| and application of response surface approach on CNC turning of LM6/SiCp composites   | Balasubramanian K, Nataraj. M  | CTURING PROCESS                     |      |   |   | g and Technology                           |
| Machinability analysis of high strength materials with Cryo-Treated textured tungsten carbide inserts                      | D Palanisamy, K Balasubramanian, N Manikandan, D Arulkirubakaran, R Ramesh | MATERIALS AND MANUFACTURING PROCESS | 2019 | 1 | 1 | Adhi College of Engineering and Technology |
| INFLUENCE OF WIRE-EDM TEXTURED CONVENTIONAL TUNGSTEN CARBIDE INSERTS IN MACHINING OF AEROSPACE MATERIALS (Ti-6Al-4V Alloy) | D Manikandan, D Arulkirubakaran, D Palanisamy, RameshRaju                  | MATERIALS AND MANUFACTURING PROCESS | 2019 | 2 | 2 | Adhi College of Engineering and Technology |
| Preparation and enhanced capacitive behavior of Ni-ZnO nanocomposite as electrode for supercapacitor                       | P Anandhi, V Jawahar Senthil Kumar, S Harikrishnan                         | Materials Today: Proceedings        | 2019 | 1 | 1 | Adhi College of Engineering and Technology |
| Experimental investigation of improved thermal characteristics of SiO <sub>2</sub> /myristic                               | S Harikrishnan, A Devaraju, P Sivasamy, S Kalaiselvam                      | Materials Today: Proceedings        | 2019 | 1 | 1 | Adhi College of Engineering and Technology |

|   |  |   |      |   |   |  |
|---|--|---|------|---|---|--|
| acid nanofluid as phase change material (PCM)   |  |   |      |   |   |  |
| Improved Thermal Energy Storage Behavior of a Novel Nanofluid as Phase Change Material (PCM)                              | S Hari Krishnan, A Devaraju, GR Kumar, S Kalaiselvam | Materials Today: Proceedings                          | 2019 | 2 | 2 | Adhi College of Engineering and Technology |
| A New Zeta Bridge Less Power Factor Correction Converter with Multiple Outputs for Power Quality Improvement in Computer  | Devarajan.S. V, Bhaskar. K.B Karthick.R              | International Journal of Pure and Applied Mathematics | 2018 | 1 | 1 | Adhi College of Engineering and Technology |
| Implementation Of Improved Cascaded Multicell 15 Level Inverter For Induction Motor Using Level Shifting Multicarrier PWM | K.B. Bhaskar, S.V.Devarajan, R.Karthick              | International Journal of Pure and Applied Mathematics | 2018 | 2 | 2 | Adhi College of Engineering and Technology |
| <a href="#">View File</a>   |  |   |      |   |   |  |

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

| Number of Faculty           | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 5             | 39       | 4     | 2     |
| Presented papers            | 25            | 2        | 1     | Nil   |

|                           |   |   |   |   |
|---------------------------|---|---|---|---|
| Resource persons          | 0 | 4 | 2 | 5 |
| <a href="#">View File</a> |   |   |   |   |

### 3.4 – Extension Activities

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

| Title of the activities                        | Organising unit/agency/<br>collaborating agency | Number of teachers<br>participated in such<br>activities | Number of students<br>participated in such<br>activities |
|--|---|--|--|
| Falrefest 18                                   | NSS, NCC - ACET                                 | 52   | 875  |
| Independence day<br>Celebration                | NSS, NCC - ACET                                 | 2  | 110  |
| Blood donation<br>camp                         | YRC   | 5  | 32   |
| Tree plantation<br>program at Mahindra<br>City | NSS - ACET                                      | 5  | 200  |
| Election<br>Awareness Rally                    | NSS - ACET                                      | 10   | 200  |
| NCC Enrollment<br>day                          | NCC - ACET                                      | 5  | 52   |
| Tree Plantation                                | NCC - ACET                                      | 3  | 45   |
| 6th Graduation<br>Day                          | NSS, NCC - ACET                                 | 42   | 225  |
| <a href="#">View File</a>                      |   |  |  |

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

| Name of the activity                           | Award/Recognition | Awarding Bodies   | Number of students<br>Benefited |
|--|-------------------|---|---------------------------------|
| Academic partner                               | Recognition       | BRIDGE18 ICT<br>Academy   | 60                              |
| Cricket (Men)                                  | Award             | Anna University   | 15                              |
| Volleyball (Men)                               | Award             | VIT   | 14                              |
| Project<br>shortlisted                         | Recognition       | smart india<br>hackathon 2018                                       | 6                               |
| Excellent<br>Performance in<br>Education Field | Award             | Bharath Rathna<br>Dr. radhakrishnan<br>memorial teachers<br>Academy | 1118                            |
| <a href="#">View File</a>                      |                   |   |                                 |

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

| Name of the scheme | Organising unit/Agen<br>cy/collaborating<br>agency | Name of the activity | Number of teachers<br>participated in such<br>activites | Number of students<br>participated in such<br>activites |
|--------------------|--|----------------------|---|---|
| Social             | YRC - ACET   | Blood                | 5   | 32  |

|                           |            |                                     |    |     |
|---------------------------|------------|-------------------------------------|----|-----|
| Awareness Scheme          |            | donation camp                       |    |     |
| Social Welfare Scheme     | NSS - ACET | NSS camp                            | 2  | 60  |
| Social Awareness Scheme   | NSS - ACET | Election Awareness Rally            | 10 | 200 |
| Social Welfare Scheme     | NSS - ACET | Kerala flood relief fund collection | 4  | 25  |
| Social Welfare Scheme     | NSS - ACET | Khaja cyclone rescue operation      | 2  | 25  |
| <a href="#">View File</a> |            |                                     |    |     |

### 3.5 – Collaborations

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

| Nature of activity                          | Participant | Source of financial support | Duration |
|---|-------------|-----------------------------|----------|
| International Students leadership Programme | 8           | ACET                        | 6        |
| <a href="#">View File</a>                   |             |                             |          |

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

| Nature of linkage             | Title of the linkage  | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|-------------------------------|---|---|---------------|-------------|-------------|
| sharing of research knowledge | Conference  | BRIDGE -2019 CONFERENCE   | 31/01/2019    | 31/01/2019  | 3           |
| On Job Training               | Power Seminar   | ICT Academy and Adhi College of Engineering Tech                                | 11/02/2019    | 11/02/2019  | 124         |
| Project work                  | DESIGN AND IMPLEMENTATION OF 0 TO 15 LEVEL INVERTER TO REDUCE THE TOTAL HARMONIC DISTORTION USING H-BRIDGE TOPOLOGY | VI Micro Systems  | 27/12/2018    | 13/03/2019  | 4           |

|                           |   |  |            |            |   |
|---------------------------|---|--|------------|------------|---|
| Project work              | IMPROVING EFFICIENCY OF HYBRID PHOTO VOLTAIC THERMAL SYSTEM USING PCM | Dr.APJ Abdul Kalam Centre for Advance Research | 27/12/2018 | 13/03/2019 | 4 |
| <a href="#">View File</a> |   |  |            |            |   |

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

| Organisation  | Date of MoU signed | Purpose/Activities               | Number of students/teachers participated under MoUs |
|---|--------------------|----------------------------------|---|
| SGIT STEINBEIS UNIVERSITY in GERMANY and GERMAN CENTER ADVANCED STUDIES | 13/08/2018         | academic and scholarly exchanges | 56  |
| <a href="#">View File</a>   |                    |                                  |   |

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|--|--|
| 70565000   | 34625908                                       |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities                   | Existing or Newly Added |
|------------------------------|-------------------------|
| Campus Area                  | Existing                |
| Class rooms                  | Existing                |
| Laboratories                 | Existing                |
| Seminar Halls                | Existing                |
| Classrooms with Wi-Fi OR LAN | Existing                |
| <a href="#">View File</a>    |                         |

### 4.2 – Library as a Learning Resource

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

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---------------------------|--|---------|--------------------|
| Autolib                   | Fully                                    | 1.0     | 2018               |

4.2.2 – Library Services

| Library Service Type | Existing |         | Newly Added |        | Total |         |
|----------------------|----------|---------|-------------|--------|-------|---------|
| Text Books           | 5153     | 2084072 | 1282        | 215472 | 6435  | 2299544 |
|                      | 5        | 5095    | 125         | 123435 | 130   | 128530  |

|                    |    |       |     |         |     |         |
|--------------------|----|-------|-----|---------|-----|---------|
| Reference Books    |    |       |     |         |     |         |
| Journals           | 21 | 550   | 25  | 61400   | 46  | 61950   |
| e-Journals         | 44 | 13570 | 400 | 1411960 | 444 | 1425530 |
| Library Automation | 1  | 82600 | 0   | 0       | 1   | 82600   |

[View File](#)

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

| Name of the Teacher | Name of the Module      | Platform on which module is developed | Date of launching e-content |
|---------------------|-------------------------|---------------------------------------|-----------------------------|
| ALL TEACHERS        | POWERPOINT PRESENTATION | CMS                                   | 18/06/2018                  |

[View File](#)

### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type         | Total Computers | Computer Lab | Internet   | Browsing centers | Computer Centers | Office   | Departments | Available Bandwidth (MBPS/ GBPS) | Others   |
|--------------|-----------------|--------------|------------|------------------|------------------|----------|-------------|----------------------------------|----------|
| Existing     | 402             | 5            | 400        | 1                | 1                | 6        | 8           | 105                              | 0        |
| Added        | 6               | 0            | 8          | 0                | 0                | 2        | 2           | 0                                | 0        |
| <b>Total</b> | <b>408</b>      | <b>5</b>     | <b>408</b> | <b>1</b>         | <b>1</b>         | <b>8</b> | <b>10</b>   | <b>105</b>                       | <b>0</b> |

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

105 MBPS/ GBPS

4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility  |
|--|---|
| VIRTUAL LEARNING                           | <a href="https://fb.watch/9OFLFOR6mH/">https://fb.watch/9OFLFOR6mH/</a> |

### 4.4 – Maintenance of Campus Infrastructure

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

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 68255000                               | 48546914   | 5156965                                | 2815201  |

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

IQAC of Adhi college of Engineering and Technology inquires the requirements of laboratory equipments through lab incharges, library needs from librarian, Sports equipments from physical education trainer, computers and classroom

requirements from Head of the department. Lab requirements will be analyzed by lab incharges and the consolidated report will be prepared and purchased by Head of the department. The maintenance of the laboratory will be followed by the student entry exit register book. Volumes, titles and subscriptions will be forwarded to the Head of the Institution through librarian. Using OPAC software, we will maintain the record of the availability of the books, which will be really accessible. Requirements of sports related equipments will be collected and purchased by physical education trainer. Zonal meets for sports will be conveyed to students through circular from physical education trainer, coaching and preparation for students will be done in accordance with that. Participation and winning moments were recorded. Classroom requirements like duster, marker and chalks...etc. Computer software update will be done by head of the department with the co-ordination of the consolidated report of the class incharges. Research equipments were consolidated by research scholars and finalized by head of the department then it will be procured by the head of the institution. We have supervisors to maintain the CCTV and Projectors in every classroom, 247 electricians is available in the campus for addressing and providing solutions.

[https://adhi.edu.in/ext\\_files/images/IQACFORM/4.4.2%202018-2019.pdf](https://adhi.edu.in/ext_files/images/IQACFORM/4.4.2%202018-2019.pdf)

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

|                                      | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|--------------------------|--------------------|------------------|
| Financial Support from institution   | ADHI WELFARE SCHEME      | 165                | 15675000         |
| Financial Support from Other Sources |                          |                    |                  |
| a) National                          | 0                        | 0                  | 0                |
| b) International                     | 0                        | 0                  | 0                |

[View File](#)

#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implemetation | Number of students enrolled | Agencies involved       |
|---|-----------------------|-----------------------------|-------------------------|
| Mentoring                                 | 18/06/2018            | 1128                        | STUDENT GRIEVENCES CELL |
| Bridge Courses                            | 04/06/2018            | 196                         | ACET                    |
| Remedial Class                            | 25/09/2018            | 926                         | ACET                    |
| Personal Counseling                       | 18/06/2018            | 1128                        | STUDENT GRIEVENCES CELL |

[View File](#)

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

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passed in the comp. exam | Number of students placed |
|------|--------------------|--|--|--|---------------------------|
|      |                    |  |  |  |                           |

|                           |                |     |     |     |     |
|---------------------------|----------------|-----|-----|-----|-----|
| 2018                      | HR<br>CONCLAVE | 230 | 230 | 127 | 206 |
| <a href="#">View File</a> |                |     |     |     |     |

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

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---------------------------|--------------------------------|---|
| 165                       | 160                            | 15  |

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus                     |                                 |                           | Off campus                                |                                 |                           |
|-------------------------------|---------------------------------|---------------------------|---|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited             | Number of students participated | Number of students placed |
| HCL                           | 72                              | 11                        | SCHNEIDER<br>ELECTRIC<br>INDIA PVT<br>LTD | 45                              | 15                        |
| <a href="#">View File</a>     |                                 |                           |   |                                 |                           |

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

| Year                      | Number of students enrolling into higher education | Programme graduated from | Department graduated from | Name of institution joined                                     | Name of programme admitted to |
|---------------------------|--|--------------------------|---------------------------|--|-------------------------------|
| 2018                      | 2  | B.E                      | ECE                       | ADHI   | COMMUNICATION SYSTEMS         |
| 2018                      | 2  | B.E                      | EEE                       | "TamilNadu Open University Sri Ramanujar Engineering College " | MBA                           |
| 2018                      | 3  | B.E                      | MECH                      | ADHI   | ENGINEERING DESIGN            |
| <a href="#">View File</a> |  |                          |                           |  |                               |

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

| Items                     | Number of students selected/ qualifying |
|---------------------------|---|
| GATE                      | 1                                       |
| <a href="#">View File</a> |   |

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

| Activity  | Level | Number of Participants |
|-----------|-------|------------------------|
| CHESS (W) | ZONAL | 48                     |



|                           |       |    |
|---------------------------|-------|----|
| CHESS (M)                 | ZONAL | 78 |
| <a href="#">View File</a> |       |    |

### 5.3 – Student Participation and Activities

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

| Year                      | Name of the award/medal | National/ International | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|---------------------------|-------------------------|-------------------------|-----------------------------|-------------------------------|-------------------|---------------------|
| 2018                      | NIL                     | National                | Nil                         | Nil                           | Nil               | NIL                 |
| <a href="#">View File</a> |                         |                         |                             |                               |                   |                     |

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

The student counselor is the head of all mentors and she/he will allot 15 students for each mentor. Feedbacks and grievances will be most probably solved by the counselor, facility related grievances will be passed to the management through student counselor head and that will be sort out within in stipulated time. Our institution has appointed an Academic Co-coordinator to monitor the regular academic activities. Our institution is enriched with several committees like library committee to enrich the knowledge, cultural committee for refreshment of the students from their academy, Sports committee to equip the students in physical activities, NSS, NCC and YRC for social welfare activities. Club committees like English, Maths and EVS club to develop their co-curricular activities. Other committees like transport committee, library committee, system admin committee, laboratory committee, research committee and women empowerment.

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

325

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

56000

5.4.4 – Meetings/activities organized by Alumni Association :

22.01.2019

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Research scholars were given decentralization to take their own decisions on appointing speaker for guest lecturing, organizing hands on training, workshops etc., so that, research scholars will create the exposure of modern research methodologies and techniques to create awareness about the research to the students. Even research scholars can work without time restrictions for sample preparation and sample analysis. Research scholars can accommodate in college

hostel during their research period at cost of free. Adhi college of Engineering research scholars will not be charged for using research equipment. In the case of unavoidable situation, Head of the department has a flexibility to do minor changes in the lesson plan. So that the regular flow of academic activities will not be disturbed.

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

Partial

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

| Strategy Type  | Details   |
|--|---|
| Admission of Students                                      | <ul style="list-style-type: none"> <li>• Admission of students is conducted through online and offline process. Application Forms for admission can be get from the institution.</li> <li>• All necessary information regarding admission of students is given in College Website.</li> <li>• Following University guidelines and as per Government directives, the entire process of receiving and shortlisting application is done offline, ensuring complete transparency.</li> <li>• Student admission is conducted strictly on the basis of merit.</li> <li>• Reservation policy of the State Government is strictly followed.</li> <li>• List of Students selected in the Reserved Category is attached separately to ensure chances for them in higher education.</li> </ul> |
| Industry Interaction / Collaboration                       | <ul style="list-style-type: none"> <li>• IQAC ensures that practical aspects of education and undertakes such measures as would Buttress employability of the students.</li> <li>• Institution departments in collaboration with various agencies, working in the field of skill development and organizations belonging particularly to tertiary sector conduct awareness campaigns and workshops in the college.</li> <li>• HR conclaves conducted for to give lecture on industry needed for student employability</li> </ul>  |
| Library, ICT and Physical Infrastructure / Instrumentation | <ul style="list-style-type: none"> <li>• Our Institution having central library is a wifi enabled digitized one with CCTV installed therein.</li> <li>• Central library uses Barcode technology and record e-database.</li> <li>• Central Library provides Online OPAC(Open Access Catalogue)</li> <li>• More number of reputed journals (National and International) are regularly subscribed by the institution. Apart from the central library, departmental library facilities are available in each and</li> </ul>   |

|                            |  |
|----------------------------|--|
|                            | every department.  |
| Research and Development   | <ul style="list-style-type: none"> <li>• IQAC along with committee members were conducting research meeting regarding research work.</li> <li>• Management is encouraging the staff to do research and development also it provides efficient facilities.</li> <li>• Researchers are motivated to submit project proposals to generate fund from the agencies.</li> </ul>  |
| Examination and Evaluation | <ul style="list-style-type: none"> <li>• Each and every department internal evaluation is carried out through regular class tests, tutorials, student seminars/presentations, quizzes etc.</li> <li>• Assignment and Internal Assessment have been conducted as per curriculum and guidelines of the University.</li> <li>• Apart from IAE, Class tests are conducted at regular intervals to know the problems and difficulties of the students.</li> <li>• Constant communication with the students has been maintained to solve the problems faced by them.</li> <li>• Suggestions and advices are given for the betterment of the students. Retest will be conducted by the university to expedite the publication of results. As a part of this system, teachers of the college participate actively in the evaluation process as examiners, squad team, chairpersons etc.</li> </ul> |
| Teaching and Learning      | <ul style="list-style-type: none"> <li>• Information and Communication Technology (ICT) along with traditional method is used in the classroom to make the teaching process more productive and effective.</li> <li>• Group Discussion and Quiz contest organized by the college at regular intervals.</li> <li>• Students are allowed to participate the seminars as per their convenience.</li> <li>• Outreach (academic) programmes by the department of science and humanities, Computer Science, organized to enhance the skill of our students.</li> <li>• Mentoring to the students has been practiced regularly</li> <li>• Guest Lectures are organized frequently.</li> </ul>   |
| Curriculum Development     | <ul style="list-style-type: none"> <li>• Our Institution following the Curriculum is within the purview of the concerned Boards of Studies of the affiliating university.</li> <li>• Teachers of this institution have been motivated to attend seminar, workshop, etc. and provide suggestions for designing curriculum at UG and PG levels.</li> <li>• A good number of teachers of our college, as members of the UG and PG Boards of</li> </ul>  |

Studies in different subjects, play decisive roles in the formulation and implementation of the syllabi. • As per the course design, we, at the college level arrange plan for classes, assignments and internal assessment.

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

| E-governance area             | Details   |
|-------------------------------|---|
| Examination                   | <p>The student database were prepared, when a student is admitted in College through offline Process . For the enrolment of the students to the university, online database is used. At the time of filling up forms for examination, all required information is supplied to the university as per their requisition. All examination related documents such as hall tickets, registration certificate, etc. are prepared and used from the database of the students.</p>  |
| Finance and Accounts          | <ul style="list-style-type: none"> <li>• All financial transactions are governed by our accounts department.</li> <li>• Online PF through EPension module have been introduced and followed.</li> <li>• The salary payments to the staff are made by online banking.</li> </ul>   |
| Administration                | <ul style="list-style-type: none"> <li>• Instructions, notices to the departments and teachers are circulated through E-mails.</li> <li>• All activities relating to student admission are being done totally through online and offline</li> <li>• Every notice related to students is uploaded in the Website of the College to make them informed.</li> <li>• The important information is served among the students through email which is possible by maintaining the student database.</li> <li>• notices boards were used to display instructions to the staff as well as to the students of the College.</li> <li>• The central library is WIFI enabled and computers are connected via LAN.</li> </ul> |
| Student Admission and Support | <ul style="list-style-type: none"> <li>• As per guidelines of the Government, admission of the students is conducted totally offline. All information related to admission of students in different departments is provided through College Website and prospectus.</li> </ul>  |
| Planning and Development      | <ul style="list-style-type: none"> <li>• Regular IQAC meets which formulates the plan of action to be taken for the enhancement of quality of the institution for an academic session.</li> <li>• This is done after collecting and</li> </ul>  |

analysing feedback from different stakeholders. Departmental profiles and information sheets are collected through official emails and analysed. • The plan of action is submitted to the Governing Body of the College as a form of proposal for its necessary approval. Governing Body approves the proposal of IQAC on those factors after considering the possibility of its execution. • Thereafter, these are uploaded to our college website, so that the every stakeholder can access to these.

### 6.3 – Faculty Empowerment Strategies

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

| Year                      | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|---------------------------|-----------------|--|--|-------------------|
| 2018                      | Nil             | Nil  | Nil  | 0                 |
| <a href="#">View File</a> |                 |  |  |                   |

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

| Year                      | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|---------------------------|--|---|-----------|---------|---|---|
| 2018                      | nil  | nil   | Nil       | Nil     | Nil                                     | Nil   |
| <a href="#">View File</a> |  |   |           |         |   |   |

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

| Title of the professional development programme  | Number of teachers who attended | From Date  | To date    | Duration |
|--|---------------------------------|------------|------------|----------|
| One Week Course on Recent Trends in Materials and Manufacturing Engineering (RTMME-2018) | 1                               | 10/12/2018 | 15/12/2018 | 6        |
| DST Sponsored FDP on Topic Recent Trends in Controllers                                  | 1                               | 19/11/2018 | 30/11/2018 | 12       |

|  |   |            |            |   |
|--|---|------------|------------|---|
| for Renewable Energy Systems at VIT Chennai                              |   |            |            |   |
| BRIDGE -2019 CONFERENCE  | 2 | 30/01/2019 | 30/01/2019 | 1 |
| Short term courses on Material Testing and Characterization              | 1 | 14/12/2018 | 15/12/2018 | 2 |
| Acedimic leadership program  | 1 | 26/08/2018 | 28/09/2018 | 3 |
| Youth Innovation Summit-2019   | 1 | 09/01/2019 | 09/01/2019 | 1 |
| Anna University approved FDP on RF and Microwave Engineering.            | 1 | 07/06/2018 | 14/06/2018 | 7 |
| Anna University approved FDP on Digital Electronics                      | 1 | 22/06/2018 | 29/06/2018 | 7 |
| ICT Academy sponsored Faculty Development Program on 'Creative Thinking' | 1 | 11/07/2018 | 12/07/2018 | 2 |
| <a href="#">View File</a>  |   |            |            |   |

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

| Teaching  |           | Non-teaching |           |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent    | Full Time |
| 0         | 109       | 0            | 12        |

6.3.5 – Welfare schemes for

| Teaching  | Non-teaching  | Students                                 |
|---|---|--|
| Employees Provident Fund, Subsidy in food and Transport, Gifts for diwali and Pongal Festival | Employees Provident Fund, Subsidy in food and Transport, Gifts for diwali and Pongal Festival | scholarships through adhi welfare scheme |

**6.4 – Financial Management and Resource Mobilization**

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

Adhi college of Engineering and Technology will perform internal audit for

Laboratory for every semester. External audit will be performed by external auditing committee members for accounts and finance.

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

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose         |
|--|-------------------------------|-----------------|
| Management   | 15675000                      | Student Welfare |
| <a href="#">View File</a>                                |                               |                 |

6.4.3 – Total corpus fund generated

75400

## 6.5 – Internal Quality Assurance System

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

| Audit Type     | External |                 | Internal |           |
|----------------|----------|-----------------|----------|-----------|
|                | Yes/No   | Agency          | Yes/No   | Authority |
| Academic       | Yes      | Anna University | Yes      | IQAC      |
| Administrative | Yes      | Anna University | No       | Nil       |

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

Letter Communication to parents thrice per semester, Participation in Induction Programme, Providing valuable suggestions for future course of action 3. Participation in Parent -Teacher meeting and providing feedback . Participation in Graduation and sports meet Programme

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

1.Training for NBA Documentation 2. Training for Teaching and learning through e-content for staff 3.Training for researchers to make a valuable research

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

New Course initiation, Motive the staff to get more project grants, Initiate all the departments to organize national/International level conferences,

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC                            | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|------|---|-------------------------|---------------|-------------|------------------------|
| 2018 | Meeting related to preparation of student satisfaction survey | 07/01/2019              | 07/01/2019    | 07/01/2019  | 20                     |

|                           |                         |            |            |            |    |
|---------------------------|-------------------------|------------|------------|------------|----|
|                           | report by IQAC          |            |            |            |    |
| 2018                      | Monthly review meetings | 18/02/2019 | 18/02/2019 | 15/05/2019 | 20 |
| 2018                      | Researchers Meet        | 07/03/2019 | 07/03/2019 | 07/03/2019 | 13 |
| <a href="#">View File</a> |                         |            |            |            |    |

## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

| Title of the programme              | Period from | Period To  | Number of Participants |      |
|-------------------------------------|-------------|------------|------------------------|------|
|                                     |             |            | Female                 | Male |
| <b>WOMEN LEADERSHIP DEVELOPMENT</b> | 08/03/2019  | 08/03/2019 | 45                     | 18   |

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

|   |
|---|
| Percentage of power requirement of the University met by the renewable energy sources |
| Nil   |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities   | Yes/No     | Number of beneficiaries |
|-------------------|------------|-------------------------|
| <b>Ramp/Rails</b> | <b>Yes</b> | <b>1</b>                |
| <b>Rest Rooms</b> | <b>Yes</b> | <b>1</b>                |

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date       | Duration | Name of initiative              | Issues addressed   | Number of participating students and staff |
|------|--|--|------------|----------|---------------------------------|--|--|
| 2018 | Nil  | 1  | 10/12/2018 | 1        | Tree Plantation                 | Awareness to local communities about the importance of tree plantation | 45   |
| 2018 | 1  | Nil  | 27/09/2018 | 1        | Entrepreneurship awareness camp | Awareness to the student   | 2  |



|                           |     |     |            |   |  |  |     |
|---------------------------|-----|-----|------------|---|--|--|-----|
|                           |     |     |            |   |  | community about the knowledge in Entrepreneurship                                      |     |
| 2018                      | 1   | Nil | 15/05/2018 | 1 | Free international student leadership training programme | Importance in learning process   | 146 |
| 2019                      | Nil | 1   | 18/05/2019 | 1 | Life skill Training Program                              | Awareness to the student from various schools about the importance of higher education | 4   |
| <a href="#">View File</a> |     |     |            |   |  |  |     |

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

| Title               | Date of publication | Follow up(max 100 words)   |
|---------------------|---------------------|--|
| Department Handbook | 14/11/2018          | Updated information on vision, mission of the department, history and achievements of the department, hierarchy of the department and Event schedule |
| Student Calendar    | 18/06/2018          | Semester wise - academic planner with working days, exam dates, model practical dates and holidays   |

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

| Activity                  | Duration From | Duration To | Number of participants |
|---------------------------|---------------|-------------|------------------------|
| Teachers day Celebration  | 05/09/2018    | 05/09/2018  | 158                    |
| <a href="#">View File</a> |               |             |                        |

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

1. The Campus is maintained as No Smoking Zone
2. Tree Plantation
3. Regular seminar/workshop on environment
4. Harvesting of rain water
5. Campus cleaning
6. Green Audit.

#### 7.2 – Best Practices

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

Adhi college of Engineering and Technology created research environment with well built research equipments. This encouraged our research scholars and students towards research area. We initiated lots of club activities which increased the participation of the students and it helped a lot to participate in the smart hackathon project.

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

<https://adhi.edu.in/igac.php>

### 7.3 – Institutional Distinctiveness

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

Adhi college of Engineering and Technology initiated entrepreneurship development activities for the students to develop their entrepreneurship skill, awareness, ideas and availability sources. It plays vital role in developing student's skill, also we provide the incubator cell to improve their entrepreneurship skill. The Entrepreneurship development will be reviewed and enhances the participation of the students, with the regular meeting with EDC members and management through IQAC. This develops the market survey abilities. EDC improvises its activities by conducting suggestion meeting with its stakeholders, parents and alumni.

Provide the weblink of the institution

<https://adhi.edu.in/igac.php#>

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

Awareness of NCC and extension activity needs to be introduced to the newly admitted students. Institution planned to motivate the students for the better usage of ICT tools. So that students can enrich themselves with better knowledge. Management motivated our faculties for more funded projects and publications of research papers. Institution planned to purchase books in various genres with various volumes and titles.