# Yearly Status Report - 2019-2020

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1. Name of the Institution** | **ARVIND GAVALI COLLEGE OF ENGINEERING** |
| Name of the head of the Institution | **Dr. Vilas Pharande** |
| Designation | **Principal** |
| Does the Institution function from own campus | **Yes** |
| Phone no/Alternate Phone no. | **02162200100** |
| Mobile no. | **8806661739** |
| Registered Email | **agcenggsatara@gmail.com** |
| Alternate Email | **vilaspharande@gmail.com** |
| Address | **Gat No. 247, At Panmalewadi, Post Varye** |
| City/Town | **Satara** |
| State/UT | **Maharashtra** |
| Pincode | **415015** |

2. Institutional Status

| Affiliated / Constituent | **Affiliated** |
|---|---|
| Type of Institution | **Co-education** |
| Location | **Rural** |
| Financial Status | **private** |
| Name of the IQAC co-ordinator/Director | **Mr. Vishal Hingmire** |
| Phone no/Alternate Phone no. | **02162200100** |
| Mobile no. | **8482875175** |
| Registered Email | **agce.iqac2010@gmail.com** |
| Alternate Email | **agceenggsatara@gmail.com** |

## 3. Website Address

| Web-link of the AQAR: (Previous Academic Year) | [https://agce.edu.in/wp-content/uploads/2021/06/AQAR-2018-19.pdf](https://agce.edu.in/wp-content/uploads/2021/06/AQAR-2018-19.pdf) |
|---|---|

| **4. Whether Academic Calendar prepared during the year** | **Yes** |
|---|---|
| if yes,whether it is uploaded in the institutional website: Weblink : | [http://agce.edu.in/2019-20acal.php](http://agce.edu.in/2019-20acal.php) |

## 5. Accrediation Details

| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
|---|---|---|---|---|---|
| | | | | Period From | Period To |
| **1** | **B+** | **2.55** | **2016** | **02-Dec-2016** | **01-Dec-2021** |

| **6. Date of Establishment of IQAC** | **14-Jul-2012** |
|---|---|

## 7. Internal Quality Assurance System

| Quality initiatives by IQAC during the year for promoting quality culture | | |
|---|---|---|
| Item /Title of the quality initiative by IQAC | Date & Duration | Number of participants/ beneficiaries |
| **Quality Circle activity** | **01-Jul-2019**<br>**42** | **32** |
| **Avishkar-Project Exhibition** | **19-Oct-2019**<br>**1** | **191** |

| Outcome based education workshop | 14-Dec-2019 1 | 56 |
|---|---|---|
| Resume building and interview technique workshop | 23-Jan-2020 2 | 156 |
| View File | | |

**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 |
|---|---|---|---|---|
| Dr. Gayatri Shashikant Mirajkar | TEQIP III | Dr. Babasaheb Ambedkar Technological University, Maharashtra | 2019 365 | 200000 |
| View File | | | | |

| **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 :** | **3** |
| 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)**

•Enhanced Industry Institute Interaction activity •Trained students for aptitude, communication and technical skills •Organised and promoted students through technical competitions •Initiated preparation for NBA accreditation

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 |
|---|---|
| Promote add on Courses | Total Courses: 120 |
| MOU With Premium Institute | Under AICTE Margadarshan Scheme, Institute has signed MoU with Government College of Engineering Karad (An Autonomous Institute) 2. Twenty four faculty members were participated in FDP. |
| Industry Institute Interaction | Industry institute interaction strengthened through Seventeen MOUs signed, total 16 activities are carried out under MOUs signed, 11 industry sponsored projects carried out. |
| Applied for new courses Data Science and Artificial Intelligence | NOC received from DBATU university and awaiting approval from AICTE |
| View File | |

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

| Name of Statutory Body | Meeting Date |
|---|---|
| Governing Body | 15-Jun-2021 |

| | |
|---|---|
| **15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?** | **No** |
| **16. Whether institutional data submitted to AISHE:** | **Yes** |
| Year of Submission | **2020** |
| Date of Submission | **10-Jan-2020** |
| **17. Does the Institution have Management Information System ?** | **Yes** |
| If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words) | Learning Management System via institute website accessed through MOODLE – all students were in contact with faculty members through the institute website. Course material, elearning resources like PPT, books video lectures etc. were made available. Quiz, surprise tests were carried out online and results published could be known to the student by the login. All the notices, student attendance, academic calendar, question bank and previous university question |

papers were communicated to the students. Due to the prevalent pandemic situation, the lectures and practicals were conducted through Google Meet and Virtual Lab respectively. The submission and assignments uploaded by students on MOODLE. All internal exams were conducted online through MOODLE. The assessment was done by the faculty members based on that. •Digital Classroom – Use of Interactive intelligent panel provides improved and effective classroom content delivery. Smart integration of all teaching tools like audio, video, images, charts, and graphs, etc. on a single platform. Effective classroom management and time management. Simple and easy to use multiple gesture controls for teaching different disciplines . Easier and quicker platform to save, review, and reuse lessons taught. •Digital Governance carried out through CCTV for academic activities like classroom session, examination work, evaluation of answer sheets, reading room etc. and also facilities like canteen, parking etc. Use of social media (Whatsapp group) for formal communication with students like notices, circulars etc. •Library Management System Software – the record of books issued to students and staff was maintained through software. OPAC system facilitates students to search for books available and also to make requisitions. • Staff attendance- Staff attendance record is maintained by a biometric device. • Accounts and financial works- Record of student fees, operational expenses, purchase of equipment and its maintenance, furniture is maintained through Tally Software. • Online payment Gateway for filling of examination form, revaluation, student enrolment etc. is used. All the payments including faculty remuneration are handled through an online channel.

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

As per AICTE guidelines, for the academic year, 2019-20 University declared all

activities for UG and PG program. The Academic Monitoring Committee had prepared curriculum planning in line with university guidelines at the institute level. Head of Department prepared departmental academic calendar with respect to institute academic calendar which was approved by Departmental Advisory Boards with suggestions. By considering the domain and also the choice of subjects of the faculty members, load distribution was carried out in the department. The faculty prepared the course file and uploaded all contents on MOODLE. For effective delivery, all the curricula had been displayed on the notice board and shared through the digital media to all the students, well before time. Effective execution of curricula was ensured by different statutory and non-statutory committees. Academic Monitoring Committee prepared and executed the time table, monitored lectures on daily basis and verified completion of syllabus fortnightly. If faculty members were lagging in their lesson plan execution they were supported with extra lectures/practicals. Surprise lectures were attended by senior faculty members for maintaining quality of teaching and necessary guidelines were suggested. Slow learners were identified and remedial lectures were conducted to improve the results. Similarly advanced learners were offered NPTEL courses and "AGCE TECHNOSTAR" scholarships were awarded to them. Training and placement committee had organized industrial talks, workshops, industrial visits, field trainings and internships to enhance employment. Research and Development committee promoted and published industrial/innovative problem statements. Students, in association with faculty members selected problem statements according to their areas of interest and the validation of work was carried out through various competitions such as Avishkar, Smart India Hackathon etc. Institute received Academic Excellence Award from DBATU, Lonere. During the pandemic situation, a virtual internship program (YUGAM) was arranged for the students in which 8 different hands-on workshops were conducted. To improve team building and leadership qualities, an event "SAWKAR TROPHY" which included various games was organized by the extra-curricular committee. Internal and external examinations were carried out smoothly by examination committee through MOODLE. Counseling of students and faculty members was done by Guardian Faculty Members (GFM) and seniors/industrial experts respectively. All the documentations were verified by internal as well as external academic advisors and the Academic Audit Report (AAR) was submitted to DBATU Lonere for extension of affiliation. For the academic year 2019-20 final year students, Ms Prajkta Shinde (E & TC Engineering) secured Fourth Rank & Ms Sonali Pisal (Mechanical Engineering) secured Eighth Rank in theory examination.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entreprene urship | Skill Development |
| --- | --- | --- | --- | --- | --- |
| Internet of Things | Nil | 29/06/2020 | 28 | Employabil ity | Yes |
| Artificial Intelligence | Nil | 29/06/2020 | 28 | Employabil ity | Yes |
| CNC Programming | Nil | 29/06/2020 | 28 | Employabil ity | Yes |
| Lean six sigma | Nil | 29/06/2020 | 28 | Employabil ity | Yes |
| UG NX Software | Nil | 29/06/2020 | 28 | Employabil ity | Yes |
| Web Design | Nil | 29/06/2020 | 28 | Employabil ity | Yes |

| PCB Design | Nil | 29/06/2020 | 28 | Employability | Yes |
| Challenges and Skill required for Civil Engineers | Nil | 29/06/2020 | 29 | Employability | Yes |

## 1.2 – Academic Flexibility

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

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

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

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
| --- | --- | --- |
| BTech | Civil, SY, Planning for sustainable development | 06/01/2020 |
| BTech | Civil, TY, Business communication and presentation skillsn skills | 01/07/2019 |
| BTech | Civil, TY, Waste water treatment | 06/01/2020 |
| BE | Civil, BE, Solid waste management | 01/07/2019 |
| BE | Civil, BE, Design of Bridge | 06/01/2020 |
| BE | Civil, BE, Advance construction technique | 06/01/2020 |
| BTech | E & TC, TY, Data structure and algorithm using java programming | 01/07/2019 |
| BTech | E & TC, TY, Python programming | 06/01/2020 |
| BTech | E & TC, TY, Power Electronics | 06/01/2020 |
| BE | E & TC, BE, Robotics | 01/07/2019 |
| BE | E & TC, BE, Mechatronics | 06/01/2020 |
| BTech | CSE, SY, Object oriented programming in Java | 06/01/2020 |
| BTech | CSE, SY, Numerical method | 06/01/2020 |
| BTech | CSE, TY, Introduction to research | 01/07/2019 |

| | | |
|---|---|---|
| BTech | CSE, TY, Business Communication | 01/07/2019 |
| BTech | CSE, TY, Artificial Intelligence | 06/01/2020 |
| BTech | CSE, TY, Internet of things | 06/01/2020 |
| BTech | CSE, TY, National Social Service | 06/01/2020 |
| BE | CSE, BE, Ad hoc wireless networks | 01/07/2019 |
| BE | CSE, BE, Software testing and quality assurance | 06/01/2020 |
| BTech | Electrical, SY, Electrical engineering materials | 01/07/2019 |
| BTech | Electrical, SY, Signal and systems | 01/07/2019 |
| BTech | Electrical, SY, Solid state devices | 06/01/2020 |
| BTech | Electrical, SY, Introduction to non conventional energy sources | 06/01/2020 |
| BE | Electrical, TY, Advances in renewable sources | 01/07/2019 |
| BE | Electrical, TY, Illumination Engineering | 01/07/2019 |
| BTech | Electrical, TY, Power Plant in Engineering | 01/07/2019 |
| BTech | Electrical, TY, Industrial Automation and Control | 06/01/2020 |
| BTech | Electrical, TY, Switch Gear and Protection | 06/01/2020 |
| BTech | Electrical, TY, Project Management | 06/01/2020 |
| BE | Electrical, BE,FACTS | 01/07/2019 |
| BTech | Mechanical, SY, Interpersonal Communication Skills | 06/01/2020 |
| BTech | Mechanical, TY, Automobile Engineering | 01/07/2019 |
| BTech | Mechanical, TY, Renewable Energy Sources | 06/01/2020 |
| BTech | Mechanical, TY, Solar Energy | 06/01/2020 |

| BTech | Mechanical, TY, I.C. Engine | 06/01/2020 |
| --- | --- | --- |
| BE | Mechanical, BE, Industrial Product Design | 01/07/2019 |
| BE | Mechanical, BE, Automobile Engineering | 01/07/2019 |
| BE | Mechanical, BE, Interpersonal Resource Planning | 06/01/2020 |
| BE | Mechanical, BE, Industrial Engineering | 06/01/2020 |

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

|  | Certificate | Diploma Course |
| --- | --- | --- |
| Number of Students | 369 | Nil |

## 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 |
| --- | --- | --- |
| Basic Human Rights | 01/07/2019 | 363 |
| [View File]() | | |

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 | Field Project Mechanical Engineering | 12 |
| BE | Field Project Electrical Engineering | 5 |
| BE | Field Project Electronics & Telecommunication Engineering | 3 |
| BE | Field Project Computer Science Engineering | 23 |
| BE | Internship Mechanical Engineering | 180 |
| BE | Internship Electrical Engineering | 31 |
| BE | Internship Electronics & Telecommunication Engineering | 80 |
| BE | Internship Computer Science Engineering | 141 |
| BEch | Internship Civil Engineering | 19 |
| [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

Feedbacks received from all the stakeholders including the Students, the Parents, Industry Personnel,Alumni using online and offline methods were recorded and discussed in HOD meeting along with Principal. A) Students Feedback from the students was taken on monthly basis through online mode. On the basis of feedback received from the students regarding syllabus completion, faculty member's subject preparation, Communication skills, Teaching approach of faculty members, Fairness of the internal evaluation, Performance discussion with students, Involvement of the faculty in promoting industry-institute interaction, Mentoring process for cognitive, social and emotional growth of students, Multiple opportunities provided by the institute for growth of students, information about PO's and CO's, Follow-up by the mentor,Concepts illustration through examples and applications, SWOT analysis of students, efforts of institute in student's involvement for improvement of teaching process, use of teaching paedology, encouragement for extra curricular activities, efforts to inculcate soft skills, life skills and employability skills, use of ICT tools by faculty members, overall quality of teaching-learning process, rating is done on a 0-4 scale. Based on the feedback received, suggestions/remedial action was taken from HOD by taking consent of Principal. B) The Parents Institute has active Parent Teacher Association. Online meetings were conducted twice in an academic year. Initiatives taken by institute were shared and suggestions given by parents incorporated. C) Industry Personnel Industry institute interactions were maintained by separate training and placement cell. During industrial visits, guest lectures, internships and project work feedback received was considered and forwarded to University for further action. D) Alumni Institute has registered alumni association with charity commissioner Satara. Alumni visits as per their convenience to the institute and provide academic support, guidance for seminar, project and assist for student placement. Alumni delivered their lectures to present students and shared their experiences to bridge the industry-institute gap. They were also actively involved in departmental advisory board and IQAC for overall development of institute. Once in a year alumni meet was carried out for effective support to each other. Suggestions received from alumni were discussed in HOD meeting and incorporated. Final year students during their major project, compulsorily opt for Alumni mentor for successful completion of their projects and get benefitted with placement.

## 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 |
| --- | --- | --- | --- | --- |
| Mtech | Heat Power Engineering | 18 | 12 | 12 |

| BTech | Mechanical Engineering | 120 | 22 | 22 |
|-------|------------------------|-----|----|----|
| BTech | Electrical Engineering | 30 | 18 | 18 |
| BTech | Electronics & Telecommunication Engineering | 60 | 18 | 18 |
| BTech | Computer Science & Engineering | 60 | 48 | 48 |
| BTech | Civil Engineering | 60 | 18 | 18 |
| [View File](#) | | | | |

## 2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|------|------|------|------|------|
| 2019 | 1155 | 12 | 72 | 3 | 75 |

## 2.3 – Teaching - Learning Process

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

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Numberof smart classrooms | E-resources and techniques used |
|------|------|------|------|------|------|
| 75 | 75 | 3 | 11 | 3 | 3 |
| [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)

Students mentoring system is effectively implemented in the Institute. A batch of 20 students was allotted to each faculty member teaching respective classes. Interaction between mentor and mentee was carried out on a daily basis for half an hour from 4.45 PM to 5.15 PM. This was incorporated in the time table itself. During this interaction, the academic problems of students viz. difficulty in understanding the subject, conduction of practicals, evaluation of assignments, availability of library books ,printing mistakes in results, continuous assessment and mid semester examination results, irregularities of attendance were conveyed to the students.Aptitude questions were posted to the students via WhatsApp groups followed by the solutions in the evening. Answer sheets of continuous assessment and mid semester examination were made available to the students for self-assessment. The mentor also encouraged, guided and supported his/her group of students to participate in co-curricular and extracurricular activities at state and national level competition etc.Mentor, during Parent Teacher meeting update academic performance of the students to their parents and suggest necessary precautions. General suggestions received from parents as well as students related to canteen, transport, hygiene and hostel were resolved time to time. Separate mentoring and encouragement was provided to the students for participating in the state and national level innovative project competitions such as AVISHKAR, ANVESHAN, Shrijan organised DIPEX, HACKATHONS etc. All the boys and girls were counselled through professional counsellor as and when needed on issues of mental, diet, physical, hygiene etc by Women empowerment committee. Additionally, ladies hostel also has their own mentoring system to address the

problems of female students staying in the hostel. General Responsibilities: The mentor takes care of the students in the following ways. • Meet the group of students daily for half an hour from 4.45 PM to 5.15 PM •Continuously monitor, counsel, guide and motivate the students in all academic, co-curricular, sports, cultural activities. • Advise students regarding choice of electives, projects, internship etc. • Contact parents/guardians if the situation demands e.g. academic irregularities, irregularities in the behaviour, and interpersonal relations, detrimental activities etc. • Advise students in their career development/professional guidance. • Keep contact with the students even after their graduation through alumni association. • Inform the HOD and implement the suggestions given. • Maintain a brief record of all discussions with the students. • Initiate administrative action on the student based on the advice of HOD. • Keep the Head of the Institute informed about the daily activities, achievements, progress of the students and also invites suggestion from him.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
| :---: | :---: | :---: |
| 1167 | 75 | 1:16 |

## 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 |
| :---: | :---: | :---: | :---: | :---: |
| 75 | 75 | 0 | 29 | 4 |

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 |
| :---: | :---: | :---: | :---: |
| 2019 | Mr. Ravi Raju Kamble | Assistant Professor | Award for Working on Women Empowerment |
| 2019 | Mr. Arjun Arun Kadam | Assistant Professor | Appreciation for Zonal Coordinator of Avishkar 2019 by DBATU, Lonere |
| 2020 | Mrs. Samina Y. Mulla | Assistant Professor | Appreciation for NPTEL activity |
| [View File](#) | | | |

## 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 |
| :---: | :---: | :---: | :---: | :---: |
| Mtech | 654559610 | 2019-20 | 17/07/2020 | 30/07/2020 |
| BE | 654524210 | 2019-20 | 22/10/2020 | 10/11/2020 |
| BE | 6545 37210 | 2019-20 | 22/10/2020 | 10/11/2020 |
| BE | 6545 29310 | 2019-20 | 22/10/2020 | 10/11/2020 |
| BE | 6545 61210 | 2019-20 | 22/10/2020 | 10/11/2020 |
| BE | 6545 19110 | 2019-20 | 22/10/2020 | 10/11/2020 |
| [View File](#) | | | | |

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

The Continuous Internal Evaluation (CIE) system is developed to monitor student's progress during the various semesters. CIE is carried out on the basis of following parameters: a) Exam calendar was designed as per DBATU's academic calendar and accordingly the different examinations were carried out. b) Assignments – Questions formulated as per Blooms Taxonomy. In the time table, separate library hours were allocated for use of library. During this period assignments designed by the teachers based on blooms taxonomy were given to the students. c) Continuous Assessment (CA) and Mid Semester Examination- i) Theory papers - Carried out on online as well as offline mode containing objective as well as descriptive questions through MOODLE. CA1 and CA2 examination was of 10 marks each while mid semester examination was of 20 marks. Question papers were designed as per Blooms Taxonomy. ii) Practicals – Carried out on online as well as offline mode. CA1 and CA2 practical examination was conducted for 50 marks each. For online mode practicals were conducted and assessed using virtual labs. d) The evaluation of papers was done taking into consideration the attainment of Course Outcomes (CO's) by the student. Individual CO's attainment of the students were noted and necessary suggestions given in the library, for maximum attainment with reference to internal evaluation. e) Project Presentations – Ready templates were circulated among the students to maintain the uniformity. Mapping of Program Outcomes and Course Outcomes were added for assessment of final year project. Project phase presentations carried out through Research Development committee. External assessment was done through industry personnel. f) Industrial visits and training – Before the visit, students were oriented about the industry and objectives of conducting the visit. Visit reports were assessed after the visit. Also, internships were offered to the students and after completing of the same students had to present their reports. g) Class interactions – Last 10 minutes were reserved for question answers pertaining to the session. h) Group discussions – Weightage given to recent engineering trends for group discussion topics. i) Workshops/Seminars – Experts from diverse industries were invited for workshops / seminars. j) Major and minor Projects – Students were encouraged to participate in various competitions for project demonstrations. k) Surprise tests – Conducted to check the student's preparedness. l) Inter college competitions – Students were trained and encouraged to participate in various paper presentations, project presentations. m) Attendance of students – Maintained on MOODLE. n) Parents meeting – Two meetings were conducted and GFM appraised them of the student's progress and development. o) Mock oral – Students are assessed through mock oral during practical CA1 and CA2 examination.

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

All the activities including academic, co-curricular, extra-curricular were included in the institute academic calendar at the start of the academic year. While preparing this calendar care was taken in such a way that it should be inline with the academic calendar received from university. Every department then prepared their respective departmental academic calendar in which department specific activities were added. These calendars were disseminated to all the students via electronic media, institute's website and notice board. Induction program was carried out at the beginning of the academic year 2019-20 for the first-year students in online mode. Parents meeting was conducted twice a year one in each semester. Also parents meeting of the defaulter students were held in the second week of every month.Industrial visits were planned by each department on Saturday of last week of the month. Various activities like tree plantation, flag hoisting on Independence Day Republic Day, Teacher's Day celebration, Swachha Bharat Abhiyan, street act play, non-vehicle day, Digital

Awareness Program, National Youth Day, the anniversaries of great leaders of India, International Women's Day, World Environmental Day, International Yoga Day, Engineer's Day were celebrated for maximum attainment of Program Outcomes. Sports and cultural activities were conducted with the active and wholehearted participation of the students. The winning team in sports receiving the coveted SAWAKAR TROPHY. The students participated in full strength in the cultural program TARUNAI which ran for an entire week successfully and the first of its kind to be conducted in the entire region. International conference was organised in which research papers presentation was done by UG, PG students, faculty members participated in it. Students received guidance from industry experts through industrial trainings conducted for a month after the end of the semester. Alumni meet was held once a year and a series of lectures by them were conducted periodically. Internal exams like continuous assessment (CA1 CA2), mid semester examination was conducted as scheduled. Students were supported with extra practicals of their respective subjects. All the University exams including theory and practicals were conducted as per the tentative schedule given by the University. Every Saturday was allotted for doubt solving of the students.

## 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://agce.edu.in/2019-20popsoco.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 |
|---|---|---|---|---|---|
| 654519110 | BE | Civil Engineering | 25 | 25 | 100 |
| 654524210 | BE | Computer Science & Engineering | 43 | 43 | 100 |
| 654537210 | BE | Electronics & Telecommunication Engineering | 28 | 28 | 100 |
| 654529310 | BE | Electrical Engineering | 46 | 46 | 100 |
| 654561210 | BE | Mechanical Engineering | 101 | 96 | 95.04 |
| View File | | | | | |

## 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)

http://agce.edu.in/2019-20Student_satis.php

## 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 |
|---|---|---|---|---|
| Minor Projects | 365 | Zerg Corporation, Satara | 0.4 | 0.4 |
| Minor Projects | 365 | Abhijat Equipments Pvt. Ltd. Satara | 0.15 | 0.15 |
| Minor Projects | 365 | Tuljabhavani Constructions | 0.09 | 0.09 |
| Minor Projects | 365 | Aditya English Medium School, Bavdhan | 0.09 | 0.09 |
| Minor Projects | 365 | Shri Surveyors Loss Assessors, Pune | 0.13 | 0.13 |
| Minor Projects | 365 | Inventive Infotech, Satara | 0.12 | 0.12 |
| Minor Projects | 365 | SaiTronics, Karad, Satara | 0.17 | 0.17 |
| Minor Projects | 365 | Sairam Electricals, Sangali | 0.48 | 0.48 |
| Minor Projects | 365 | Kisanveer Sugar Factory, Wai, Satara. | 0.15 | 0.15 |
| Major Projects | 365 | Office of TEQIP-III Project, Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra | 2 | 2 |

View File

## 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 |
|---|---|---|
| 15 Days Induction Program for Final Year Students | Electronics and Telecommunication Engineering, Electrical Engineering, Civil Engineering, Mechanical Engineering, Computer Science and Engineering | 02/08/2019 |
| Guest Lecture on | Electrical Engineering | 20/08/2019 |

| | | |
|---|---|---|
| Industrial Skills and Todays Job Opportunities | | |
| Guest Lecture on Industrial Skills and Todays Job Opportunities: Electrical Automation | Electrical Engineering | 23/08/2019 |
| Guest Lecture on Industrial Interaction: Recent Trends in Industries | Mechanical Engineering | 16/09/2019 |
| Guest Lecture on Industrial Interaction: Recent Trends in Automobile Industries | Mechanical Engineering | 18/09/2019 |
| Guest Lecture on Industrial Skills and Todays Job Opportunities | Electronics and Telecommunication Engineering | 30/09/2019 |
| Guest Lecture on Introduction to Career Opportunities in System Networking | Computer Science and Engineering | 11/09/2019 |
| Guest Lecture on Industrial Skills and Todays Job Opportunities: Construction | Civil Engineering | 20/09/2019 |
| Guest Lecture on Industrial Skills and Todays Job Opportunities: Automation | Electronics and Telecommunication Engineering | 23/10/2019 |
| Guest Lecture on Opportunities in Service Industries | Mechanical Engineering | 07/10/2019 |
| Guest Lecture on Recent Trends in Design and Manufacture | Mechanical Engineering | 11/02/2020 |
| Panel Discussion on Challenges and Opportunities in Foreign Countries | Mechanical Engineering | 05/03/2020 |
| Guest Lecture on Cybermate Forensics and Data Security Solutions | Computer Science and Engineering | 28/02/2020 |
| Two Days Faculty Development Program on, Special Topics in Industry Applications sponsored by Dr. Babasaheb Ambedkar Technological University, Maharashtra, India under TEQIP III | Mechanical Engineering Electronics and Telecommunication Engineering Computer Science and Engineering Electrical Engineering Civil Engineering | 07/01/2020 |
| Guest Lecture on Culture | Computer Science and | 10/02/2020 |

| | | | | |
|---|---|---|---|---|
| of MNCs | Engineering | | | |
| Guest Lecture on Cyber Crime | Computer Science and Engineering | 24/07/2019 | | |

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 |
|---|---|---|---|---|
| Institute of Leadership Excellence | Arvind Gavali College of Engineering | Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India | 03/01/2020 | Zonal Level Event Organizer |
| AVISHKAR 2019-2020 (Zonal Level) | Sayyad Muskan Tayyub | Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India | 09/11/2019 | Under Graduate (Humanities, Fine Arts, Languages) |
| AVISHKAR 2019-2020 (Zonal Level) | Bandal Tushar Jaywant | Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India | 09/11/2019 | Under Graduate (Commerce, Management, Law) |
| AVISHKAR 2019-2020 (Zonal Level) | Shinde Mayuri Bhagwan | Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India | 09/11/2019 | Under Graduate (Agricultural Animal Husbandry) |
| AVISHKAR 2019-2020 (Zonal Level) | Chavan Ankita Sanjay | Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India | 09/11/2019 | Under Graduate (Engineering Technology) |
| AVISHKAR 2019-2020 (Zonal Level) | Gaikwad Tejaswini Prakash | Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India | 09/11/2019 | Under Graduate (Medical, Pharmacy) |
| AVISHKAR 2019-2020 (Zonal Level) | Pharande Ganesh Laxman | Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, | 09/11/2019 | Post Graduate (Engineering Technology) |

| AVISHKAR 2019-2020 (University Level) | Pharande Ganesh Laxman | Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India | 03/01/2020 | Post Graduate (Engineering Technology) |
|---|---|---|---|---|
| AVISHKAR 2019-2020 (District Level) | Bhaskar Sanyogita | Shivaji University, Kolhapur, India | 07/02/2020 | Under Graduate (Engineering Technology) |
| ANVESHAN 2019-2020 (State Level) | Pharande Ganesh Laxman | AICTE, New Delhi, India | 20/02/2020 | Post Graduate (Engineering Technology) |

[View File](#)

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

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|---|---|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | | | |
| No file uploaded. | | | | | |

### 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|---|---|---|
| No Data Entered/Not Applicable !!! | | |

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

| Name of the Department | Number of PhD's Awarded |
|---|---|
| No Data Entered/Not Applicable !!! | |

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

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---|---|---|---|
| International | Electronics and Telecommunication Engineering | 1 | 6.04 |
| International | Electrical Engineering | 1 | 6.04 |

[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 and Engineering | 10 |
| Mechanical Engineering | 11 |
| Electrical Engineering | 7 |
| Civil Engineering | 4 |

| Electronics and Telecommunication Engineering | 6 |
|---|---|
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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 |
|---|---|---|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | | | | |
| No file uploaded. | | | | | | |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|---|---|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | | | | |
| No file uploaded. | | | | | | |

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

| Number of Faculty | International | National | State | Local |
|---|---|---|---|---|
| Presented papers | 38 | 2 | 0 | 0 |
| Attended/Seminars/Workshops | 1 | 49 | 30 | 2 |
| Resource persons | 0 | 1 | 0 | 0 |
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## 3.4 – Extension Activities

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

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|---|---|
| Swachhata at ST Bus stand, Civil Hospital, RTO Office | AGCE and Satara ST stand | 32 | 103 |
| Health Check-up Camp | AGCE and BhalegharVillage Panchayat | 2 | 21 |
| Road Safety Awareness | AGCE, RTO Satara and Anewadi Toll Plaza | 2 | 50 |
| NSS Camp | AGCE and Anewadi Village Panchayat | 14 | 51 |
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**3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year**

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---|---|---|---|
| NSS Camp | Appreciation Letter | Shivaji University Kolhapur | 51 |
| Blood Donation Camp | Appreciation Letter | Mauli Blood Bank | 86 |
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**3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year**

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activites | Number of students participated in such activites |
|---|---|---|---|---|
| Blood Donation Camp | AGCE and Mauli Blood Bank | Blood Donation | 15 | 86 |
| Fit India | AGCE, Fit India, GOI | Swachhata Hi Seva | 2 | 70 |
| Tree Plantation | AGCE | Tree Plantation | 6 | 31 |
| | | View File | | |

## 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 |
|---|---|---|---|
| Combined Innovative Research Proposal (CIRP) Scheme of TEQIP-III of Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India | Dr. Mirajkar Gayatri Shashikant | Office of TEQIP-III Project, Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra, India | 365 |
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**3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year**

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|---|---|---|---|---|---|
| Training and Placement | Training | Dhoot transmission private limited, Suzlon | 29/05/2019 | 06/03/2020 | 531 |

| | energy LTD, Maharashtra scooter pvt. | | | | |
|---|---|---|---|---|---|

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

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|---|---|---|---|
| AB Software Solution, Satara | 18/06/2019 | Campus Drive | 30 |
| Aditi Buildcon | 14/01/2020 | Industrial Visit | 36 |
| Niketan Construction, Satara | 08/01/2020 | Guest Lecture on Site Knowledge | 30 |
| J. W. Infra | 29/01/2020 | Recruitment Activity | 3 |
| Satara Fibre Glass | 14/01/2020 | Training | 10 |
| Zerg Corporation | 13/09/2019 | Internship / Field Training | 2 |
| Akashganga Constructional Machines Pvt. Ltd. | 27/01/2020 | Guest Lecture | 56 |
| New HKS Electronics | 02/01/2020 | Internship / Field Training | 4 |
| Prime Enterprises | 02/01/2020 | Internship / Field Training | 4 |
| Space Automation | 03/01/2020 | Internship / Field Training | 4 |

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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

**4.1 – Physical Facilities**

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

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|---|---|
| 630000 | 583612 |

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 LCD facilities | Existing |
| Classrooms with Wi-Fi OR LAN | Existing |

| Seminar halls with ICT facilities | Existing |
|---|---|
| Video Centre | Existing |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Newly Added |
| Value of the equipment purchased during the year (rs. in lakhs) | Newly Added |
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## 4.2 – Library as a Learning Resource

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

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---|---|---|---|
| BIYANI Technology | Fully | 1.0.1 | 2013 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---|---|---|---|---|---|---|
| Text Books | 12830 | 2685885 | 423 | 235650 | 13253 | 2921535 |
| Reference Books | 1103 | 1042353 | 74 | 70300 | 1177 | 1112653 |
| e-Books | 3418 | Nill | 565 | 0 | 3983 | 0 |
| Journals | 42 | 133100 | 0 | 0 | 42 | 133100 |
| e-Journals | 1 | 13570 | 0 | 0 | 1 | 13570 |
| CD & Video | 192 | Nill | 0 | 0 | 192 | 0 |
| Library Automation | 1 | 26250 | 0 | 0 | 1 | 26250 |
| Others(specify) | 6 | 6000 | 0 | 0 | 6 | 6000 |
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives &amp; 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 faculties teaching to FY,SY, TY, BE | All Subjects of FY,SY, TY, BE | MOODLE | 01/07/2019 |
| 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 Bandwidt | Others |
|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Existing | 300 | 12 | 2 | 14 | 1 | 3 | 6 | 50 | 0 |
| Added | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 300 | 12 | 2 | 14 | 1 | 3 | 6 | 50 | 0 |

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

**50 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 |
|---|---|
| **NPTEL Videos** | [ftp://192.168.20.3](ftp://192.168.20.3) |

## 4.4 – Maintenance of Campus Infrastructure

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

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurredon maintenance of physical facilites |
|---|---|---|---|
| 4575000 | 4238923 | 2980000 | 2758323 |

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)

Laboratories: 1) At the end of every semester dead stock was verified by Laboratory in-charge and Infrastructure committee containing all departmental faculty members. 2) Non-working equipment were identified from each laboratory. 3) Based on the fault in equipment three authorized vendors were identified and quotation / cost estimation for repairs, was collected from them. 4) Based on date of purchase, last maintenance and cost of maintenance, decision was taken either to repair or write off the equipment. 5) Purchase of new equipment in lieu of the write off ones was put forth in Board of Governance meeting and forwarded to purchase committee. 6) Respective lab in-charge prepared the list of materials/apparatus required at the beginning of semester and forwarded the same to purchase committee. Library: 1) At the beginning of academic year, based on their requirements faculty members forwarded the list to the purchase committee. 2) After the quotations received negotiations were carried out and the name of the preferred supplier was forwarded to the governing body for approval. 3) Yearly physical verification of library books was carried out. 4) The list of books damaged and the ones missing was forwarded for necessary action. Sports Complex: 1) Institute has separate extra-curricular activity cell consisting of students and faculty members which was responsible for maintaining all the equipment available as per the procedures. 2) Various sport activities and encouraging student participation at state and national level were carried out by the extra-curricular committee. 3) The playing materials/equipment for Chess, Carrom, Badminton, Kabaddi, Kho-Kho, Cricket, Volleyball, etc. was made available to the students after college hours. Computer Centres: 1) Stand-alone 100 PCs were available in computer centre with internet facility having bandwidth 50 MBPS (1:1) and inhouse maintenance was carried out whenever and wherever necessary. 2) Dead stock verification, periodic maintenance and up gradation was done through ICT committee. Classrooms: 1) Classroom amenities such as benches, black boards, fans, tube lights, windows, platforms and podiums issued and maintained through Central

Store. 2) Electrical maintenance was carried out by electrical department and noted in register maintained. 3) Infrastructure maintenance involving notice boards, display charts, platform in classrooms were carried out by the workshop department. 4) ICT cell took care of ICT facilities including LCDs with internet facility, Projectors, Wi-Fi.

http://agce.edu.in/2019-20InfraMain.php

# 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 | Sawakar Scholarship | 31 | 692721 |
| Financial Support from Other Sources |  |  |  |
| a) National | 17 | 2040 | 38907007 |
| b)International | Nill | Nill | Nill |
| 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 |
|---|---|---|---|
| Workshop on Introduction to Arduno and Basic Electronics | 09/09/2019 | 18 | Trainer Mr. Vishwajeet Kulkarni |
| Remedial coaching | 15/12/2020 | 144 | AGCE SATARA Kasture A.D.9405541134 Patil S.S. 8600004240 Pathak P.A. 7276835606 Pol P.P. 7709997044 Babar A. 8600899418 |
| Art of Living | 19/08/2019 | 52 | Ms. Swati Kale, VVK Institute, Pune |
| Personality Development Program by Rubicon Skill Development Pvt Ltd | 10/09/2019 | 107 | Rubicon Skill Development Pvt Ltd, Pune Trainer: Mr. Amar Shinde, Mr. Satya S. |
| 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 passedin the comp. exam | Number of studentsp placed |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| 2019 | Orientation Program on GATE by ACE Academy | 34 | 34 | 5 | 0 |
| 2019 | Question A Day Activity | 191 | 0 | 0 | 0 |
| 2019 | Cummins Scholarship Orientation | 145 | 145 | 2 | 0 |
| 2019 | Co-curricular Window for Competative Exam Vacancies, Higher Educational Opportunities | 59 | 59 | 0 | 7 |
| 2019 | Industrial Motivation Campaign for Yuth | 96 | 96 | 0 | 3 |
| 2019 | One Day Workshop on Entrepreneurship Development | 10 | 10 | 0 | 0 |
| [View File](#) | | | | | |

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 |
|---|---|---|
| 0 | 0 | 0 |

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|---|---|---|---|---|---|
| Nameof organizations visited | Number of students participated | Number of stduents placed | Nameof organizations visited | Number of students participated | Number of stduents placed |
| 6 | 110 | 11 | 38 | 248 | 41 |
| [View File](#) | | | | | |

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

| Year | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Name of institution joined | Name of programme admitted to |
|---|---|---|---|---|---|
| 2019 | 7 | B.E. (AGCE | Mechanical | | M- |

| | | ,Satara) | **Engineering** | **AGCE,Satara** | **Tech(Heat and power)** |
| --- | --- | --- | --- | --- | --- |
| | | | | | |

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

| Items | Number of students selected/ qualifying |
| --- | --- |
| **No Data Entered/Not Applicable !!!** | |
| **No file uploaded.** | |

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

| Activity | Level | Number of Participants |
| --- | --- | --- |
| **Taruani -Cultural Activity** | **District** | **892** |
| **Sawakar Trophy- Sports Activity** | **District** | **1295** |
| *View File* | | |

## 5.3 – Student Participation and Activities

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

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
| --- | --- | --- | --- | --- | --- | --- |
| **2019** | **Winner Miss Maharashtra Competition** | **National** | **Nill** | **1** | **2016102866** | **Ms. Bhaskar Sanyojita** |
| *View File* | | | | | | |

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

**The institute has formed an active cell of the student council as per the guidelines given by the university. This council consists of student elected as GS (General Secretary) and other student class coordinators along with a teaching faculty. This student council participates and contributes to all activities of the institute with the guidance of the teaching faculty coordinator. This council helps the teaching faculties as well as management of the institute both in academic as well as administrative activities as follows: 1. Coordination of academic activities throughout the semester. 2. Coordination of co-curricular and extracurricular activities smoothly. 3. Coordination of industrial visits. 4. Coordination of seminars/workshops by inviting external guests. 5. Presenting the problems of students in front of teaching faculty as well as management. 6. To assists teaching faculties heading various academic as well as administrative committees. 7. Motivating the students to participate in various activities initiated by the institute. 8. Coordinate for social activities formation of the technical club. 9. Institute also provides the necessary support to the student council for the organization of academic, co-curricular and extracurricular activities. Student's Council nomination was present in Magazine, library, hostel, mess, grievance etc committees.**

## 5.4 – Alumni Engagement

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

Yes

Alumni Association Reg. No. MAH/16235/SA dated 12/01/2018 Alumni Association of Arvind Gavali College of Engineering is formed in the year 2015 and it is registered as "Alumni Association Arvind Gavali College of Engineering" with Charity Commissioner Office Satara. It bridges the gap between the college life of the students and the career opportunities available after graduation. Alumni association member's council to students for current challenges of the competitive professional world. Objectives:- 1. To interact with Alumni for getting feedback suggestions for improvement of each department institute. 2. To establish a link between the alumni, staff and students of the Institute. 3. To aware of Industrial scholarships and render financial aid to needy and deserving students of the Institute. 4. To generate funds to give scholarships to meritorious students and awards to toppers of all branches of engineering. 5. To enable the alumni to participate in activities that would contribute to the general development of the Institute and the Society. 6. To establish a link between the staff, students Industry. 7. To help alumni unemployment and relocation problems. 8. To promote Entrepreneurship Innovation among the students. 9. To try to find employment opportunities for the students and fellow alumni members in need. 10. Help to find Internship and industrial training opportunities for the students and fellow alumni members in need. 11. To assist in conducting and organizing academic activities like conferences, workshops, technical symposiums. 12. To arrange seminars and debates for technical guidance to students for knowledge and career Advancement. 13. To arrange Industrial visits for technical guidance to students for technical knowledge. 14. To contribute towards the welfare of the alumni. 15. To keep the alumni abreast of scientific and technological developments of national and global importance. 16. To do such other lawful things as are conductive or incidental to the attainment of the above objectives and/or beneficial to the interests of the Institute and its Alumni. 17. To help Institute for an effective liaison to Industry. Sixth Alumni Meet: Alumni Association Arvind Gavali College of Engineering has conducted Sixth Alumni Meets on 19 Feb 2020. During the Principal presented institute progress on academics, co-curricular and extra-curricular activities as well as new innovative ideas implemented in the institute to Alumni. Alumni have given suggestion regarding student development through industrial visit and project. Alumni also discussed current scenario and opportunities in the industry.

5.4.2 – No. of enrolled Alumni:

| 297 |
| --- |

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

| 148500 |
| --- |

5.4.4 – Meetings/activities organized by Alumni Association :

| 1 |
| --- |

# 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)

Two best practices of decentralization and participative management are: 1. Decentralisation through various statutory committees: Overall functioning of the institute was decentralized through the formation of committees viz. Academic Monitoring, Examination, IQAC, University/AICTE/DTE, Admission, Training and Placement, Alumni, R D and IPR, Co-curricular activities,

Infrastructure/Administration/Maintenance, ICT, Canteen, Peer Team/Anti-ragging/Discipline, Reservation, Women internal complaints/Counselling, Student development and welfare, EDC/Higher education/Competitive examinations, Extra-curricular activities/Cultural/Sports, Grievance Redressal, Library. Each committee consisted of a faculty coordinator who was assisted by a faculty member from each department and a student representative. All the statutory committees were supported with financial authority as per their budget. 2. Active online education through National Program on Technology Enhancement Learning (NPTEL) Local Chapter, COURSERA, Internshala etc a) This chapter had faculty members and one student representative from each department. Out of these faculty members one was appointed as coordinator of the committee. b) Timeline and course brochure of various courses was received from IIT Madras and was circulated to the students. Separate counselling sessions were carried out for the selection of available courses. Students as per their area of interest selected proper course and mentor (faculty member) was assigned to the student. c) Separate NPTEL slots were arranged into the institute timetable accordingly. In this slot NPTEL lecture videos were made available to all the students. d) Total 774 students from all branches were enrolled for various courses. Out of which 119 students registered for the exam and total 21 students got various level course completion certificates for July-Dec 2019 Session. e) Institute is awarded with 'Active NPTEL local chapter' as well with Single Point of Contact (SPOC) appreciation certificate to Ms Samina Mulla faculty member for efforts in disseminating and supporting the learners of the Swayam NPTEL Local Chapter during Jan-Apr 2020. f) Institute has subscription of COURSERA (Online learning platform) through which students of the institute are eligible for enrolling for the courses of their interest free of cost. g) Also many students had applied for getting the internship opportunities through the Internshala platform.

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

Yes

## 6.2 – Strategy Development and Deployment

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

| Strategy Type | Details |
| --- | --- |
| Human Resource Management | While recruiting and retaining the HR, the institute adheres to the quality improvement strategy. 1. For professional development of the HR, the institute delegates the faculty and staff to undergo development programs outside the institute, provides technical resources and financial assistance. 2. The institute organizes HR development programs for faculty, staff and students for skill up gradation and training. 3. For compensation and benefits of the students and the staff, welfare schemes exist in the institute. 4. Monthly meeting of higher authorities with section heads are conducted to ensure healthy relations and communication. |
| Library, ICT and Physical Infrastructure / Instrumentation | Library: 1. Institute has central stand alone library building containing different books, journals, periodicals. |

| | |
|---|---|
| | Working of library is monitored and governed by library committee. Necessary suggestions received from students are used for improvement in Quality of library resources. 2. New books/journals are purchased every year to update the library. All Faculties are involved in this Process. 423 text books were purchased worth Rs 232650/-, 74 reference books worth Rs 70300/-, 42 Print journals worth Rs.1.33 Lakhs are newly procured during 2019-20 by the Central Library. 3. Group Book bank facility is offered to all students. ICT: 1. The institute regularly increases ICT facilities for classrooms, tutorial rooms and Laboratories. Presently, institute is equipped with 8 projectors. The institute campus is under WiFi zone. 2. The institute regularly enhances the Internet connectivity facility. Presently, the Internet facility includes: 50 MBPS leased line by Neha Infonet Technology. 3. ICT infrastructure updated as per the need and demand from the faculty members. Physical infrastructure: 1. Physical infrastructure is updated to address the needs of a trade or a course or the intake capacity of the course. 2. 36 CC TVs are installed in the institute. 3. Physical infrastructural maintenance is carried out through Infrastructure committee. 4. In addition to present infrastructure the institute purchased three new interactive panels costing of Rs 548700/- for enhancing the learning experience of the students. |
| Research and Development | The institute has separate Research and Development Cell which includes faculty, academicians and research scholars. 1. The institute motivates the faculty to undertake research activities through post graduate studies and doctoral studies. It motivates them to publish Research Papers 2. Potential research collaborators are identified and MoUs are established, for A.Y. 2019-20 total 17 MoUs are established with companies. 3. Research committee prepares and submits research proposals to AICTE, University and DST. In A.Y.2019-20 a grant of Rs 200000/- was approved through office of TEQUIP III (Dr Babasaheb Ambedkar Technological University Lonere) to Dr Mirajkar |

| | |
|---|---|
| | Gayatri (Associate Professor, ETC department) |
| Examination and Evaluation | Following are the reforms done for improvement in examination system: 1. Continuous assessment system is implemented as per the university guidelines in addition to that surprise tests, assignments, extra practical sessions, mock practical oral examinations, etc have been conducted. 2. The question papers have set according to Bloom's Taxonomy and the question paper is mapped with course outcomes. 3. According to results the remedial examination schedule is prepared. 4. All answer papers shown to students and model answers were discussed in classroom. 5. The evaluation of papers was done taking into consideration the attainment of Course Outcomes (CO's) by the student. Individual CO's attainment of the students were noted and necessary suggestions given in the library, for maximum attainment with reference to internal evaluation. |
| Teaching and Learning | Following preparations are carried out by the faculties before the commencement of the semester to improve the quality in teaching learning process: 1. Lesson plans 2. Course learning Objectives and Course Outcomes 3. Topic learning Objectives and Outcomes 4. Course notes 5. Updating the library with appropriate books as suggested by the faculty 6. Modifying the laboratories to cater for the needs of revised syllabus and new technology 7. E learning platform was made available to the students by uploading the course material on website. 8. Follow up of syllabus completion is done by collecting the class wise weekly reports from the faculties. |
| Curriculum Development | Board of studies (BoS) is a body in the University to formulate the curriculum with proper meetings and suggestions from Premium Institute and Industry. Our faculties Mr Nayak B M and Mr D B Jagtap have attended curriculum enrichment program at DBATU University Lonere for B.Tech Syllabus for electrical department and ETC department respectively on 23rd January 2020. Faulty members used to interact with academicians as well as industry experts through workshops, Conferences, |

| | |
|---|---|
| | FDP's and STTP's. As institute is affiliated to University all the curriculum development guidelines are successfully implemented. |
| Industry Interaction / Collaboration | 1. Inclusion of industry experts in Departmental Advisory Board (DAB). 2. In view of sharing technical resources and expertise, 17 MOUs are signed with reputed companies in A.Y. 2019-20. 3. Industry Internship programs, industry designed certification courses and Industrial training during vacation are organized for the students. 4. Guest lectures by the Industry experts are organized and orientation programs are conducted for overall development of the students. 5. Industry sponsored 10 collaborative projects undertaken by the final year students. |
| Admission of Students | Directorate of Technical Education in association with Admission Regulating Authority centrally carried out admission process all over Maharashtra as per the reservation policy laid down by Government of Maharashtra. The institute maintains the standard by adopting following strategies- 1. Maintaining good results in University examinations by means of quality trends of teaching learning, providing quality infrastructure and facilities, improvement in training and placement track records. 2. Encouraging extracurricular activities like sports and other arts. 3. Maintaining Ragging-free environment 4.The institute conducts admission process awareness programs, counselling sessions for prospective students. 5. Career counseling program are arranged at different colleges and AGCE is authorized facilitation center from DTE / ARA |

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

| E-governace area | Details |
|---|---|
| Planning and Development | Institute Vision, Mission is available on website. All activities in the institute are adhering to Vision and Mission of Institute. Institute Website continuously updated with upcoming events at institute like examination schedule, admission deadline, technical sports and cultural activities also after finishing every activity report and photographs are uploaded on website. |

| | | |
|---|---|---|
| Administration | Office maintains all student data related to their admission, Scholarship, Examination etc. on MIS System. Also Student fees, other finance related data is maintained through Tally software. Learning Management system through Institute Website – Every student and faculty is provided with login and password on website, where faculty used to keep the student record online like their Attendance, Test result and can upload subject notes, e-learning resources like PPT, Video lectures links which can be access by students online. | |
| Finance and Accounts | Accounts record is maintain in Tally software and balance sheet is prepared as per the guidelines given by fee regulating authority. Students pay only tuition fees through offline and online mode. Quarterly internal audit is carried out. Suggestions given during the audit is incorporated time to time. Quarterly audit is carried out by external CA. Accountant prepare payment sheet by deducting TDS, PT, Loan if any and do salary in bank. TDS and PT return filled regularly by accountant. | |
| Student Admission and Support | Directorate of Technical Education offers online applications for Engineering Aspirants. Students are able to fill online option form and can do confirmation of admission by freezing institute option and reporting to ARC. Institute also confirm student admission online. Institute admission form and other admission related data is available on website of institute. All the admissions are carried out by DTE as per the guidelines from ARA and after physical verification of original documents ARA issues final admission confirmation letter to the institute. | |
| Examination | All Examination Forms are filled online by student's login and payment is paid from student account to university account directly. After submission of student exam form, office clerk verifies, confirms and forward to University through institute login. Before examination university directly issues hall ticket to student and can take printout through student login. All examination and assessment is carried out under CCTV surveillance and soft copy of all the documents is sent to university. After declaration of the | |

## 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 |
| --- | --- | --- | --- | --- |
| 2020 | Dr. Mirajkar Gayatri Shashikant | Five Days Management Development Programme on Managing Start-Up Incubation and Ecosystem | IIM Lucknow | 100000 |
| 2020 | Dr. Pharande Vilas Arjun | Building and Managing Technical Education Institute | IIM Lucknow | 100000 |
| | | [View File](#) | | |

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) |
| --- | --- | --- | --- | --- | --- | --- |
| 2020 | Two Days Faculty Development Program on, Special Topics in Industry Applications sponsored by Dr. Babasaheb Ambedkar Technological University, Maharashtra, India under TEQIP III | Nill | 07/01/2020 | 08/01/2020 | 40 | Nill |

| 2019 | One Day R Programming Workshop | Nill | 09/11/2019 | 09/11/2019 | 15 | Nill |
| 2019 | One Day Coordinators Workshop on R | Nill | 12/10/2019 | 12/10/2020 | 1 | Nill |
| 2020 | One Day Workshop on C and C | Nill | 29/02/2020 | 29/11/2020 | 22 | Nill |
| 2020 | One Day Workshop on Arduino | Nill | 08/02/2020 | 08/02/2020 | 8 | Nill |
| 2019 | Nill | One Day Orientation for Non Teaching | 14/09/2019 | 14/09/2019 | 27 | Nill |

[View File](View File)

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

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
| --- | --- | --- | --- | --- |
| AICTE Sponsored One Week Faculty Development Program on Assuring The Success of Engineering Graduates | 1 | 25/11/2019 | 29/11/2019 | 5 |
| One Week Online Faculty Development Program on Communications and ICT | 1 | 05/05/2020 | 10/05/2020 | 5 |
| One Week Online Certificate Course on Influenza Pandemics: Yesterday, Today and Tomorrow | 1 | 22/04/2020 | 26/04/2020 | 5 |
| One Week Faculty Development | 1 | 29/06/2020 | 03/07/2020 | 5 |

| Program on Advanced Materials and Manufacturing | | | | |
|---|---|---|---|---|
| Online Faculty Orientation Programme on Recent Advances in Modeling and Optimization Techniques | 2 | 01/06/2020 | 05/06/2020 | 5 |
| One Week Online Faculty Development Program on Outcome Based Education: A Step Towards Excellence | 9 | 11/05/2020 | 15/05/2020 | 5 |
| Online One Week Faculty Development Program on Outcome Based Education NBA Accreditation Process | 1 | 04/05/2020 | 08/05/2020 | 5 |
| One Week Online Faculty Development Programme on BOSS LINUX - UBUNTU Operating System | 1 | 15/04/2020 | 21/04/2020 | 5 |
| One Week Online Faculty Development Program on R | 1 | 05/05/2020 | 09/05/2020 | 5 |
| [View File](#) | | | | |

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

| Teaching | | Non-teaching | |
|---|---|---|---|
| Permanent | Full Time | Permanent | Full Time |
| 40 | 75 | 33 | 50 |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|---|---|
| Insurance Policy | Insurance Policy, Uniforms | Insurance Policy, Sawkar Scholarships, Cummins Scholarships |

## 6.4 – Financial Management and Resource Mobilization

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

Internal Audit: Institute conducts an internal audit on a quarterly basis which is done by professionals working under Charted Accountant (CA). They verify and confirm all the finance related documents. Report of the audit is submitted to Principal and Registrar. In case of any query, it is referred to Chief accountant. During internal audit no discrepancy was observed for freeship and EBC. Provident Fund account and Professional Tax paid regularly. External Audit: Institute undergoes financial audit on a yearly basis in the month of May and June. This audit is done by M/S Godbole Company, external Charted Accountant as per the rules and regulations laid down by the competent authorities. The cash books and daily account details which are maintained by using Tally software are verified by the CA. Audited balance sheet duly signed is verified by Fee Regulating Authority (FRA) for arriving at the student's tuition fee. Audited balance sheet is submitted to Income tax office and Charity Commissioner Office within time. Institute has registered alumni association which has separate bank account in Bank of Baroda. The internal and external audit of this account is carried out regularly in due time.

**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 |
| --- | --- | --- |
| Samarth Educational Trust, Satara | 26876462 | Purchase of Equipment, Staff Salary |

| View File |
| --- |

**6.4.3 – Total corpus fund generated**

| 5000000 |
| --- |

## 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 | Dr. A T Pise (Principal, GCOE, Karad), Mr. Rajesh Kulkarni (Senior Manager, Thermax Ltd, Pune) | Yes | Dr. R. V. Pethkar( Professor, JCOEM, Jayawantnagar), Dr. V.R. Thomba re(Professor, ADCET, Ashta) |
| Administrative | Yes | M/s. Goadbole Company, Satara | Yes | Principal, AGCE,Satara |

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

Activities: 1. Institute has active Parent-Teacher Association which contributes in academic, cocurricular and extra-curricular activities. 2. Parents meet twice in a year to review the performance of their ward. 3. For students having attendance less than 75, parent was called and counselling for the improvement is carried out. 4. Each faculty works as Guardian Faculty Member (GFM) of 20 students and remain in touch with their respective parents. 5. Parents meeting carried out on 29.07.2019 (Number of parents: 438) and 09.02.2020 (Number of parents: 566) 6. Telephonic meeting was carried out for

the counselling of absent parents. Support: 1. To convey student's performance during academic year to parents. 2. To discuss the problems faced by students. 3. To take help from parents for enhancing industry institute interaction. 4. Support for internship, guest lectures and placement.

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

1. Support staff is encouraged to visit premium institutes like IIT's, Govt colleges, for upgradation of knowledge. Mr Ashish Shinde (Lab Assistant (Mechanical Department)) attended the Tech Fest event from 3rd January 2020 to 5th January 2020 and Mood Indigo event from 26th December to 27th December 2020 organised by IIT Bombay 2. Institute actively promotes support staff for higher education. During A.Y. 2019-20 Mrs Rupali Ghadage, Mr Narendra Juvekar, Mr Umesh Changan were sponsored to complete their PGDM degree. 3. Communication and personality development program was arranged for support staff. Librarian day was celebrated on 12th August 2020. Mr S R Nagarkar (Librarian, Arts Commerce college Medha) graced this program as a guest speaker. 4. One day Induction program was arranged for non-teaching staff on 15th June 2019 for technical and behaviour counselling, followed by dinner. Mr Milind Mali (Associate Professor, Keystone College of Engineering Pune) was the chief guest for this program.

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

1. To encourage project based learning the institute coordinated AVISHKAR (Project competition held by Dr Babasaheb Ambedkar Technological Institute (DBATU), Lonere) as zonal level institute. Institute received 'Institute of leadership excellence' award from the University for the corresponding valuable contribution. Final year projects were incorporated with PO-CO mapping to impart Outcome Based Education amongst the students. 2. Institute is awarded with 'Active NPTEL local chapter' as well with Single Point of Contact (SPOC) appreciation certificate to Ms Samina Mulla faculty member for efforts in disseminating and supporting the learners of the Swayam NPTEL Local Chapter during Jan-Apr 2020. Total 774 students from all branches were enrolled for various courses during A.Y.2019-20. Out of which 119 students registered for the exam and total 21 students got various level course completion certificates for July-Dec 2019 Session. 3. To enhance the employability industry-institute Interaction is strengthened. Institute signed 17 MOU's in the A.Y. 2019-20. Training sessions of aptitude and soft skills were included in the time table itself from the A.Y.2019-20. For the valuable contribution in industry-institute interaction institute is awarded with Platinum ranking through CII (Confederation of Indian industries) from AICTE New Delhi. 4. Institute focussed on ICT based learning. In addition to present ICT infrastructure institute purchased three new interactive panels costing Rs 548700/- to enhance the learning experience of the students.

### 6.5.5 – Internal Quality Assurance System Details

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

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

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
| --- | --- | --- | --- | --- | --- |
| 2019 | Quality Circle | 01/07/2019 | 01/07/2019 | 30/06/2021 | 32 |

| 2019 | Outcome based education workshop | 14/12/2019 | 14/12/2019 | 14/12/2019 | 56 |
|------|-------|------|------|------|------|
| 2020 | Resume building and interview technique workshop | 23/01/2020 | 23/01/2020 | 24/01/2020 | 156 |
| 2019 | Avishkar-Project Competition | 19/10/2019 | 19/10/2019 | 19/10/2020 | 191 |
| 2019 | Memorandum of Understanding under AICTE Margadarshan scheme with GCE,Karad | 11/12/2019 | 11/12/2019 | 11/12/2019 | 60 |
| | | | View File | | |

## 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 |
| Walkathon-Beti Bachav Beti Padhav | 24/01/2020 | 24/01/2020 | 18 | 35 |
| Savitribai Phule Jayanti Celebrated as balika Din | 03/01/2020 | 03/01/2020 | 48 | 37 |

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 |
|------|
| Name of Activity: Tree Plantation Activity- Tree Plantation Location: Arvind Gavali College of Engineering Satara Date of conduction: 01st July 2019 Objective: 1. To create awareness amongst the students and faculty members about the environmental hazards like change in the rainfall pattern, floods due to cutting of trees. 2. To sensitize the stakeholders for plantation of large number of trees, to minimize the pollution in the environment. 3. Importance of tree plantation in reducing Ozone layer depletion. Conduction of the activity: Tree Plantation was organised on 1st July 2019 in memory of Late. Vasantrao Naik, Father of Green Revolution of Maharashtra. Sarpanch of Panmalewadi and Forest Officer, Satara were present on this occasion. A total of 50 trees were planted. Life Time Forest membership was received from Government of Maharashtra. Name ofActivity: Creating awareness of 'Importance of Saving Electricity' during Unnat Bharat Abhiyan Location: Arvind Gavali College of Engineering, Satara Date of conduction: 08 February 2020 Objectives: 1. To |

create awareness amongst the villagers the importance of saving electricity 2. To create awareness about solar energy for various purposes. Conduction of the activity: Anewadi, Varye, Panmalewadi, Bhuij, Bamnoli, Kudal, Pachwad were the villages adopted by Arvind Gavali College of Engineering under Unnat Bharat Abhiyan. The above activity was implemented in Anewadi. Students visited each and every household and educated the residents about the importance of saving electricity. Name of Activity: Non Vehicle day Location: Arvind Gavali College of Engineering, Satara Date of conduction: 04 November 2019 Objective: 1. To make students aware about global warming andchanges in environment due to pollution because of use of petrol and diesel ofvehicles. 2. To make aware about pollution free environment. 3. To encourageeveryone for usage of public transport facility. Outcome: 1. All the faculty members, students, and nonteaching staff participated in Non Vehicle day activity. 2. Under the Non Vehicle day activity, students and faculty members used public transports which reduced fuel consumption as well as environmental pollution. Name of Activity: Adoption of a plant by every faculty member Tree Plantation Location: In front of respective laboratory of the faculty member Date of conduction: 29th July 2019 Objectives: 1. To create an awareness amongst the faculty members, of the drastic effect caused on the environment due to cutting of trees. 2. To inculcate the culture of environmental consciousness within the faculty members and hence the students. Conduction of the activity: After the parents meet on 29th July 2019, one sapling each was planted by the parent representative and the same was handed over to the faculty member for adoption. This potted sapling was placed in front of the labs of respective faculty member for their care and protection.

## 7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|---|---|---|
| Physical facilities | Yes | 0 |
| Ramp/Rails | Yes | 0 |

## 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 |
|---|---|---|---|---|---|---|---|
| 2019 | Nill | 1 | 10/09/2019 | 3 | Nirmalya Collection during Ganesh Festival | Pollution Control at Venna River, Varye | 43 |
| 2019 | Nill | 1 | 12/08/2019 | 1 | Help to Flood affected area people | Distribution of Essentials for flood affected people at Mulgaon, Taloshi Tal Patan | 59 |

| 2020 | Nill | 1 | 15/06/2020 | 5 | COVID Awareness and arsenic album Tablet Distribution | Pandemic Covi-19 | 18 |
| 2020 | Nill | 1 | 22/06/2020 | 4 | Digital Awareness in Rural area near College | Jan Dhan Account opening details and netbanking details to people in rural area | 12 |

[View File](#)

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

| Title | Date of publication | Follow up(max 100 words) |
|---|---|---|
| AGCE Ethical code of conduct | 01/07/2019 | Code of conduct of DBATU is as it is accepted by AGCE FOR TEACHING FACULTY MEMBERS. CODE OF ETHICS -The Code of Ethics is a set of three universal ethical principles (1) Equity and Justice (2) Respect for People (3) Personal and Professional Responsibility |

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

| Activity | Duration From | Duration To | Number of participants |
|---|---|---|---|
| Guest lecture on ethics | 17/07/2019 | 17/07/2019 | 76 |

[View File](#)

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

- **Energy conservation: The college campus is designed in such a way that there is natural illumination and ventilation. Care has been taken by everyone in switching off the lights, fans and other electrical devices when they are not in use, to avoid wastage of energy. Arrangement of the workplace is done in such a way that advantage of natural light can be taken. • Rain Water harvesting: Rain water collected around every block is fed into a rain water harvesting tank to preserve the underground water. Work towards recharging of bore wells is in progress. • Garbage Collection: Thewaste water collected from the chemistry lab was treated in the STC (Sewage treatmentchemicals). Every member of the college is well versed regarding the maintenance of cleanliness**

in campus. • E-waste management: Old computers are sent to different schools where they are reused. The waste and scraps of e-waste is periodically handed over to the vendors of electronic equipment for safe and proper disposal. • Noise free campus: Proper awareness is created amongst the students to reduce the noise while using vehicles in the campus.

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice No. 1: • Effective execution of AICTE internship policies AICTE has formulated its internship policy for the students of technical education programs vide its letter F. No. AICTE/Internship Policy-2018 dated 13/08/2018. The policy comprises of the steps for establishing, maintaining and fostering internships. The students have been provided with a diary which is to be maintained by the respective student during the period of internship. The structure of this diary is designed as per the AICTE internship policy. In this diary the student mentioned the details of company's profile, its departmental layout, details of the duties performed by the student daily. After the internship, certificate of successful completion of training is given to the students. This well-prepared diary when submitted results in the enhancement of his/her's employability. Institute monitors the status of internship performance of the intern where he/she is placed. Institute also takes effort to ensure that no student is left out from the internship process. Best Practice No. 2: • Domain wise batches The second year, third year and final year student's batches are formed domain wise. To help the students to study and gain practical knowledge about different domains like Database, Python, IoT, HTML, R, 3D Printing, Automation, Mechatronics, Data science, Machine learning, Design, Manufacturing, Service etc. The corresponding domain wise batches begin at the start of every semester. The main motto for starting this scheme is to give quality technical education tothe students and enhance placement. Every year HOD forms theclass wise and domain wise batches of SY, TY and BE students. This helps thestudents to gain practical knowledge about different domains like Database, Python, IoT, HTML, R, 3D Printing, Automation, Mechatronics, Data science, Machine learning, Design, Manufacturing, Service etc. The students who have worked through these domain wise batches are taking technical education irrespective of different domains. They will gain expertise in their domains and this will improve their results. Student interest changes from second year to third year and third year to final year. Exact SWOC analysis of individual student is difficult to carry out. Students are not easily ready to update with respect to technology. To execute this, domain specific industrial experts are difficult to manage due to rural area. HODs have decided to develop the laboratories to accommodate domain wise batches viz. 3 D printing lab, Computer networking lab, Database lab, Computer programming lab etc. Every year Institute issues the Institute Scholarship scheme to the students which are from below poverty family background, sincere and well performing. The Institute scrutinizes the forms and selects appropriate students for facilitating the Institute Scholarship. For the A.Y. 2019-20, total 31 students availed with Sawkar scholarship of Rs 692721/- from the institute.

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

http://agce.edu.in/2019-20bestpractices.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

Considering the regional priority and thrust area institute is trying to achieve enhancement of academic excellence in following manner. Arvind Gavali College of Engineering, Satara provides a perfect platform to students for developing their innovative skills, by promoting a research-based teaching and learning process. Faculty members always encourage students to understand topics through research minded approach, which ensures better understanding and provides strong foundation for their future academics. This has increased participation of students in seminars and publishing papers in journals. Students along with faculty members presented 41 international papers and 3 national papers during A.Y.2019-20. For this academic year final year students, Ms Prajkta Shinde (E TC Engineering) secured Fourth Rank Ms Sonali Pisal (Mechanical Engineering) secured Eighth Rank in University theory examination. The institute also plays sincere attention to the physical, moral and cultural development of students. Institute also actively encourages the organization of moral and cultural events such as Indian constitution day, Integrity pledge program, National Unity Day, Road Safety Day, Fit India program, Independence Day celebration, Jal divas, Anti-tobacco mass pledge, Tree Plantation, Celebration of Shivjayanti on 19th February, Teachers Day on 5th September, Engineer's Day on 15th September, Women's Day on 8th March etc. Institute sincerely prepared students for the competitive world. Total 774 students from all branches were enrolled for various courses. Out of which 119 students registered for the exam and total 21 students got various level course completion certificates for July-Dec 2019 Session. Institute is awarded with 'Active NPTEL local chapter' as well with Single Point of Contact (SPOC) appreciation certificate to Ms Samina Mulla for efforts in disseminating and supporting the learners of the Swayam NPTEL Local Chapter during Jan-Apr 2020. Professional and academic development of faculty members is always encouraged by the institution. In the year 2019, Mr Ravi Kamble and Mr Mahesh Matkar from Mechanical department, Ms Samina Mulla from Computer Science department and Mr Vishnu Khade from ETC department had registered for PhD. Faculty members participated in Short Term Training Programs (STTP's), Faculty Development Programs (FDP's), Orientation programs and other training programs. Total 49 national FDP's/STTP's, 30 state level FDP's/STTP's and 01 international FDP were attended by faculty members.

| Provide the weblink of the institution |
|----------------------------------------|
| http://agce.edu.in/2019-20ipida.php |

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

1. To Enhance Alumni Engagement Institute has distinguished alumni working in various reputed organisations. At present, once in a year alumni meet is conducted and alumni visit the institute as per their convenient time to contribute in various activities like alumni guest lectures, alumni mentors etc. In future this contribution is to be extended for more number of activities. Online alumni meets are planned to be conducted on quarterly basis. Support of alumni for internships, Major projects, industrial visits, industry collaborations, expert lectures from industry personnel, consultancy is to be enhanced. 2. To Install Lecture Capturing System In view of pandemic situation and frequently occurring natural calamities like floods classroom lecture capturing system is planned to be implemented. This will be beneficial to the students who are at distant places and unable to attend the lectures due to various reasons like lockdown declared by the government, quarantined due to COVID symptoms, other medical emergencies. 3. To Develop Advanced Technology/Industry Sponsored labs UG/PG students need to carry their major/research projects while perusing their studies. For this purpose, an inhouse laboratory set-up plays an important role. Institute has planned to develop a 3-D printing laboratory as an initial step towards it. Various industries which have collaborations with the institute are in discussion

regarding setting up the industry sponsored lab. 4. To Start New Skill Oriented Programs As there are many employment opportunities for the students having technical skills institute has planned to start the vocational courses specifically for the rural background students. Institute is in contact with industry personnel for allocation of internships to these students which will ultimately increase their placement opportunities. 5. To Conduct The Career Guidance Sessions For The Students In Rural Area Many of the students in rural area are generally unaware about New Education Policy (NEP). Also many students do not get right guidance to build their career by knowing their inner potential. Institute has planned to conduct aptitude examination of such students results of this examination will be helpful to them for deciding their career path. It is observed that female candidates remain isolated from higher education to overcome this the counselling of parents of such candidates is planned to carry out so that diversity ratio in higher education is maintained. 6. To Start Open Gym Due to changing lifestyle, personal anxieties, deadlines of work completion today every individual is suffering from mental and physical stress. To overcomes these problems institute has planned to set-up a open gym for faculties as well as students.