



## Yearly Status Report - 2018-2019

### 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	vs.hingmire@gmail.com

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="http://agce.sets.edu.in/aqar.php">http://agce.sets.edu.in/aqar.php</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	<a href="http://agce.sets.edu.in/acal.php">http://agce.sets.edu.in/acal.php</a>

### 5. Accreditation Details

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

<b>6. Date of Establishment of IQAC</b>	14-Jul-2012
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### 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
Science Exhibition	16-Oct-2018 2	459
Quality Circle Activity 2018-19	26-Sep-2018 4	33

Faculty Development Program on Research & Innovation IPR	28-Dec-2018 2	55
Soft Skill Development Program	11-Mar-2019 3	56
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**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

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

1

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

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 • Quality Circle activity initiated in the department to enrich recent knowledge amongst Faculty members • Faculty Development program on Research, Innovation and IPR • Student training for Skill enhancement

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

Plan of Action	Achievements/Outcomes
MOU With Premium Institute	1.Under AICTE Mentor Mentee Scheme,

	Institute has signed MoU with Rajarambapu Institute of Technology (Autonomous) for Academic Research Cooperation. 2.Eight Faculty members are participated in FDP.
Industry institute Interaction	Industry institute interaction strengthens through 21 MOUs signed as well as 27 industry sponsored projects were carried out.
Promote add on Courses	Advance learner 388 students registered for NPTEL /MOOCS and 30 students awarded certificate.
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
Governing Body	28-Dec-2019

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
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Year of Submission	2019
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Date of Submission	18-Jan-2019
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<b>17. Does the Institution have Management Information System ?</b>	Yes
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If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	<ul style="list-style-type: none"> <li>• Learning Management system through Institute Website - 247 all students are in contact with faculty through Institute Website. Course material, e learning resources like PPT, books, Video lecture etc. made available. Quiz, surprise test, assignments were carried out online and results published in student login. All the notices, student attendance, academic calendar, question bank and previous university question papers are communicated to students.</li> <li>•Digital governance is carried out though CCTV for academic activities, examination work and evaluation of paper, activities of answer sheet distribution center etc.</li> <li>•Library Management System</li> </ul>
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Software Student and staff books issue record is maintain through software. OPAC system allows students to search books available and put requisitions. • Staff attendance Staff reporting record is maintained by bio metric attendance machine. • Accounts and financial works - Student fees details, operational expenses, purchase of equipment, furniture, maintenance etc record maintained through Tally Software. Online payment Gateway for Exam form filling, revaluation, student enrollment etc. is used. All the payments as well as faculty remuneration is handled through 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

Institute is affiliated to DBATU, Lonere for first, second year of B. Tech Engineering and third, final years to Shivaji University, Kolhapur under UG program. PG Program is affiliated to DBATU Lonere. Universities declared academic calendar for UG and PG program which contains co-curricular and extra-curricular activities before starting of the academic year. Institute academic monitoring committee along with HoD has prepared curriculum planning in line with university guidelines. Departmental advisory boards of respective departments discuss and confirm plan for curriculum implementation. With the help of academic calendar all faculty members have carried out their lesson plan, laboratory plan, tutorials, assignments and mid-semester examination papers to fulfill Course Objectives (CO) and Outcomes. For effective delivery, all the curricula has been displayed on notice board and shared through the digital media to all the students well before time. Effective execution of curricula is 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 weekly. If faculty members were lagging in their lesson plan execution they were supported with extra lectures/practical's. Surprise lectures were attended by senior faculty members for maintaining quality of teaching and necessary guidelines were suggested. Slow learner students were identified and remedial lectures were conducted to improve the results. Similarly advance learner students were offered NPTEL courses and "AGCE TECHNOSTAR" scholarships were awarded. To enhance employability, training and placement committee organized industrial talks, workshops, industrial visits, field trainings and internships. 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, Science Exhibition, Smart India Hackathon etc. Program educational objectives were ensured by organizing state and national level technical events in every department such as C-War, Robomania, Lathe War etc by the co-curricular committee. To improve team building and leadership qualities "SAWKAR TROPHY" containing various games

was organized by extra-curricular committee. Internal and external examinations were carried out smoothly by examination committee. 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 Academic Audit Report (AAR) was submitted to DBATU Lonere for extension of affiliation.

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

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
CCTV Installation And Testing	Nil	04/01/2019	15	Yes	Yes
Two Wheeler and Three Wheeler Maintenance	Nil	04/01/2019	15	Yes	Yes
Junior Software Developer	Nil	21/09/2018	180	Yes	Yes
Data Entry Operator	Nil	21/09/2018	180	Yes	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 !!!		
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##### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	E&TC 1. BE, Mechatronics	01/01/2019
BE	E&TC 1. BE, Robotics	01/07/2018
BE	Computer Science 1. SY, Object Oriented Programming in C++, 2. SY, Numerical Methods, 3. BE, Internet of Things	01/01/2019
BE	Computer Science 1. BE, Adhoc Wireless Networks	01/07/2018
Mtech	Mechanical PG 1. Intellectual Property Rights	01/07/2018
BE	Civil 1. SY, Planning for Sustainable Development 2. SY, Numerical Method 3. BE,	01/01/2019

	Design of Bridges 4.BE, Advance Construction Technique	
BE	Civil BE, Solid waste Management	01/07/2018
BE	Mechanical 1. SY, Interpersonal Communication Skill 2. BE, Industrial Engineering 3. BE, Enterprise Resources Planning	01/01/2019
BE	Mechanical 1. BE, Automobile Engineering 2. BE, Industrial Product Design	01/07/2018
BE	Electrical 1. SY, Analog and Digital Electronics, 2. SY, Introduction to Non Conventional Energy 3. BE , Electrical Maintenance and Energy Audit	01/01/2019
BE	Electrical 1. SY, Signals and Systems, 2. BE, Flexible AC Transmission System	01/07/2018

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

	Certificate	Diploma Course
Number of Students	75	0

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Soft Skill Courses	11/03/2019	56
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#### 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	Internships Electronics and Telecommunication Engineering	64
BE	Internships Mechanical Engineering	49
BE	Internships Civil Engineering	41
BE	Internships Computer science and Engineering	59
BE	Internships Electrical	33

	Engineering	
BE	Projects Electronics and Telecommunication Engineering	28
BE	Projects Mechanical Engineering	35
BE	Projects Computer science and Engineering	14
BE	Projects Electrical Engineering	4
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Feedback was taken from all the stakeholders (the students, Parents, Industry, Alumni), using online and offline methods. The obtained suggestions were recorded and discussions were carried out in HOD meeting along with the Principal. The feedback analysis were carried out as follows</p> <ol style="list-style-type: none"> <li>1. Syllabus covered: Students suppose to give syllabus completion status as 85 percent, and above: 4 marks, 70 to 84 percent :3 marks, 55 to 69 percent : 2 mark, 30 to 54 percent :1 mark, and below 30 percent: zero mark. Academic Monitoring Committee (AMC) in its meeting decided that all the faculty members should complete their syllabus above 75 percent. After the feedback, the faculty member having less than 75 percent syllabus was supported with extra lectures.</li> <li>2. Communication and Presentation - Teachers communication and Presentation was classified as excellent, very good, good, average, and poor. For good and average feedback received, faculty members were trained through quality circle initiatives.</li> <li>3. Understanding about the subject : Good, average and poor understanding of subject students were supported with remedial classes by expert faculty member. The faculty who has taught that subject was deputed to FDP.</li> <li>4. Additional guidance - Advance learner students were identified, guided and promoted for online courses, different competitions and special training.</li> <li>5. Parents: Institute has active parent teacher association. Meetings were conducted twice in an academic year. Initiatives taken by institute were shared and suggestions given by parents incorporated.</li> <li>6. Industry: Industry institute interactions were maintained by separate training and placement cell. During industrial visits, guest lectures, internship training and project work feedback received were considered and some of them implemented.</li> <li>7. Alumni: Institute has registered alumni association with charity commissioner Satara. Alumni frequently visit the institute and provide academic support, guidance for seminar, project and assist for student placement. 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.</li> </ol>



## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Mechanical Engineering	120	20	20
BTech	Electronics & Telecommunication Engineering	60	6	6
BTech	Electrical Engineering	60	17	17
BTech	Computer Science & Engineering	60	50	50
BTech	Civil Engineering	60	15	15

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### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1106	5	68	3	0

### 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
71	71	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)

Mentor Mentee system is available and effectively implemented in the institute. Faculty members teaching to respective classes were allotted as mentor of around 20 students batch. Interaction between mentor and mentee was carried out on every Friday. During this interaction, the academic problems of students were addressed, such as difficulty in understanding the subject, conduction of practicals, evaluation of assignments, availability of library books, speed of internet facility/ wi-fi password, printing mistakes in results, continuous assessment and mid semester examination results, irregularities of attendance etc. Mentor also encourage, guide and support all the students to participate in co-curricular and extracurricular activities at state and national level competitions etc. Institute has separate cell to counsel the student suffering from mental disorder in association with mentor. 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 with

canteen, transport, hygiene and hostel were resolved time to time. General Responsibilities: The mentor takes care of student in following ways. • Meet the group of students once in week. • Continuously monitor, counsel, guide and motivate the students in all academic matters. • Advise students regarding choice of electives, project, summer training etc. • Contact parents/guardians if situation demands e.g. academic irregularities, negative behavioural changes and interpersonal relations, detrimental activities etc. • Advise students in their career development/professional guidance. • Keep contact with the students even after their graduation. • Intimate HOD and suggest if any administrative action is called for. • Maintain a brief record of all discussions with students. HOD • Meet all mentor of his/her department at least once a month to review proper implementation of the system. • Advice mentors wherever necessary. • Initiate administrative action on a student when necessary. • Keep the head of the institute informed.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1111	71	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
71	71	0	34	1

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Mrs. Prinyaka Jagdale	Assistant Professor	Dr. A P J Abdul Kalam Life Time Achievement National Award
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	6545 61210	2019	24/05/2019	09/07/2019
BE	6545 29310	2019	24/05/2019	09/07/2019
BE	6545 19110	2019	24/05/2019	03/07/2019
BE	6545 37210	2019	22/05/2019	03/07/2019
BE	654524210	2019	22/05/2019	03/07/2019
<a href="#">View File</a>				

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

The Primary objective of Continuous Internal Evaluation (CIE) is to monitor student progress during the semester. The Continuous Internal Evaluation(CIE) is done on the following parameters: a) Assignments – Reformation carried out as per the use of Blooms Taxonomy. b) Presentations – Ready templates were circulated among the students to maintain the uniformity. c) Industrial visits

and training - Prerequisite lectures were carried out before the industrial visit. d) Class interactions - Last 10 minutes reserved for question answer session. e) Group discussions - Weightage given to recent engineering trends for group discussion topics. f) Workshops/Seminars - Industrial experts invited for workshops / seminars. g) Major and minor Projects - Problem statement wall in the department introduced to support for projects. h) Written and practical surprise tests - Objective questionnaires were introduced for tests. i) Inter college competitions - Special training given to the students. j) Overall attendance - Signature on attendance sheet started. k) Parents meeting - Telephonic communication about student performance updated on monthly basis. l) Paper presentation - Support through mentor increased during writing of the paper. m) Mock oral - Questionnaires prepared on each experiment.

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

Academic Calendar is prepared with reference to university calendar before the commencement of academic year 2018-19. This calendar is circulated to each student through e media, website, and displayed on notice board. Academic Calendar consists of orientation Program for first and second year newly admitted students. This calendar contains academic, co curricular and extra curricular activities. In every month first Monday is observed as Non- vehicle day. Similarly every second Saturday is planned with extra practical and doubt solving session. Academic monitoring committee review departmental academic activities on every Friday and necessary actions initiated in consent with HoD. To promote final year students to take industry sponsored projects, Friday and Saturday is fully spared which results into enhancement of industry institute interactions. Two class tests are conducted during each semester as per academic plan. Parent- Teacher Meet is scheduled in the semester to update the student's performance. Teacher's Day, Engineer's Day, Independence and Republic Day are celebrated along with technical and cultural activities of patriotism. At the start of second term Sports and cultural activities has been planned and conducted accordingly. Academic calendar also considers schedule of various technical activities like Guest lecture, industrial visits, workshop, Paper presentation, Science exhibition etc. Internal Examinations, Practical Oral examinations, and final Examination as conducted as per DBATU and Shivaji university guidelines. Controller of examination (COE) is appointed and responsible for smooth conduction of examination.

## 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.sets.edu.in/popsoco.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
6545 61210	BE	Mechanical Engineering	98	66	67
6545 37210	BE	Electronics & Telecommunication Engineering	40	40	100

6545 29310	BE	Electrical Engineering	46	46	100
6545 24210	BE	Computer Science & Engineering	48	32	67
6545 19110	BE	Civil Engineering	43	37	88
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## 2.7 – Student Satisfaction Survey

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

[http://agce.sets.edu.in/Student\\_satis.php](http://agce.sets.edu.in/Student_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
Industry sponsored Projects	180	Indian Biodiesel Corporation, Baramati	3.5	3.5
Major Projects	180	Prime Enterprises satara, Ajinkya Enterprises Satara, A R Engineering Satara, etc.	1.1	1.1
Minor Projects	180	Shivam Engineering, Altech Alloys India Pvt. Ltd, etc.	2.7	2.7
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### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Two days' workshop on ROBO making	Electronics and Telecommunication Engineering	14/12/2018
Two days' workshop on PCB Design, simulation and testing	Electronics and Telecommunication Engineering	28/09/2018
One day Python Workshop for Teachers and research scholars	Computer Science and Engineering	22/06/2019

One day Workshop on MOODLE learning management system	Computer Science and Engineering	15/03/2019
Two days' workshop on Node.js	Computer Science and Engineering	17/12/2018
Two days' FDP on research and innovation IPR	Computer Science and Engineering	28/12/2018
Workshop on cognitive services (Artificial intelligence and machine learning)	Computer Science and Engineering	30/09/2019
One day workshop on KOHA and library automation	Computer Science and Engineering	29/09/2018
One day workshop computer hardware and hands on practice of operating system installation	Computer Science and Engineering	01/09/2018
Two week AICTE approved FDP on Foundation program in ICT for education	Computer Science and Engineering	13/09/2018
AICTE approved FDP on Pedagogy for online and blended teaching learning process	Computer Science and Engineering	30/10/2018
Hands on Workshop of UG-NX	Mechanical Engineering	20/07/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
AVISHKAR 2K19	Mr. Ganesh Pharande	Shivaji University, Kolhapur	04/01/2019	University Level
Dr. APJ Abdul Kalam Life Time Achievement Award	Mrs. Priyanka Jagdale	KRIST Foundation, Bangalore	27/10/2018	International Level
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### 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
		01

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

Name of the Department	Number of PhD's Awarded
<b>No Data Entered/Not Applicable !!!</b>	

### 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	Mechanical Engineering	4	3
<a href="#">View File</a>			

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

Department	Number of Publication
Mechanical Engineering	28
Computer science and Engineering	10
Electrical Engineering	10
Civil Engineering	5
Electronics and Telecommunication Engineering	12
<a href="#">View File</a>	

### 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
<b>No Data Entered/Not Applicable !!!</b>						
<b>No file uploaded.</b>						

### 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
<b>No Data Entered/Not Applicable !!!</b>						
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
<b>No Data Entered/Not Applicable !!!</b>				
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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
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NSS Camp	AGCE and Bhaleghar Village Panchayat	8	50
Swachhata at ST Bus stand	AGCE and Satara ST stand	35	70
Health Check-up Camp	AGCE and BhalegharVillage Panchayat	3	50
Blood Donation Camp	AGCE and Mauli Blood Bank	20	101
Road Safety Awareness	AGCE, RTO Satara and Anewadi Toll Plaza	15	45
<a href="#">View File</a>			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NSS Camp	Appreciation Letter	Shivaji University Kolhapur	50
Blood Donation Camp	Appreciation Letter	Mauli Blood Bank	81
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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 activities	Number of students participated in such activities
Swachh BharatAbhiyan	AGCE and Goje gaonPanchayat	Swachh BharatAbhiyan	1	42
Tree Plantation	AGCE and Goga walewadiGrampan chat	Tree Plantation	1	47
National Voters Day	AGCE Satara and Talathi Office Panmalewadi	National Voters Day	30	150
Door to Door Campaign regarding Swachhata	AGCE Satara and Gojegaon Panchayat	Door to Door Campaign regarding Swachhata	4	42
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### 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
Research and faculty exchange	Mr.Bamankar P.B., Mr.Suhas P. Patil	0	1095

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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	Brookon Technologies Pvt Ltd Pune, Nextech Automation Solutions Pvt.Ltd Pune , Sonali Electronics Satara, etc.	01/12/2018	05/01/2019	689

[View File](#)

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
Design Tech System Ltd. Pune	20/02/2018	Hands-ON Workshop of UG-NX 20 July 2018	1
Abhijat Equipment Pvt. Ltd. Satara	10/12/2018	Project on Complaints solving through design change note 7 QC tools	1
Rajarambapu Institute of technology Rajaramnagar	12/09/2018	Guest Lecture on Importance of GATE 26 Sep 2018	1
Majesty Tyres Satara	01/01/2019	Industrial Visit 12 Oct 2018	2
Om enterprises MIDC Satara	01/05/2019	Project on Fixture design for heavy water upgrading plant	2
JadhavKortill Construction Satara	29/01/2019	Internship Activity	10
Jijau IT solution and services (OPC) Pvt ltd	10/12/2018	Guest Lecture on Website Design and Development 28 Jan 2019 training and placement	10



## 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
150000	137469

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Video Centre	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added

[View File](#)

### 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	9921	2602410	2909	83475	12830	2685885
Reference Books	1042	987453	61	54900	1103	1042353
e-Books	1596	0	1822	0	3418	0
Journals	37	111000	5	22100	42	133100
e-Journals	1	13570	0	0	1	13570
CD & Video	0	0	192	0	192	0
Library Automation	1	26250	0	0	1	26250
Others(s pecify)	3	0	3	6000	6	6000

Others(s pecify)	192	0	48	0	240	0
<a href="#">View File</a>						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
All faculties teaching to FY,SY	All FY,SY subjects	college website	01/07/2018
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwid th (MBPS/ GBPS)	Others
Existin g	333	12	2	14	1	3	6	32	1
Added	0	0	0	0	0	0	0	18	0
Total	333	12	2	14	1	3	6	50	1

##### 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	<a href="ftp://192.168.10.3">ftp://192.168.10.3</a>

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilities
1499128	1362844	1421846	1292588

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

<p><b>Laboratories:</b> 1) At the end of every semester dead stock verification was carried out by laboratory incharge and Infra structure committee containing all departmental faculty members. 2) Non working equipments were identified from each laboratory. 3) Based on fault in equipment three authorized vendors were identified for maintenance and quotation / cost estimation was collected from them. 4) Based on date of purchase, last maintenance and cost of maintenance decision will be made to do the maintenance or to right off the equipment. 5) For right off equipments new equipment procedure is put forth in Board of Governance meeting and forwarded to purchase committee. 6) At the beginning of</p>
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semester each lab incharge prepare consumable requirement and forward to purchase committee. Library: 1) At the beginning of academic year based on availability of books as per university curriculum, all faculty members submit their requirement of books to library committee. 2) As per AICTE norms requirement of books from library committee is prepared and forwarded to purchase committee. 3) Quotations and negotiation carried out and preference of supplier is forwarded to governing body for approval. 4) Library books physical verification was carried out every year. Missing report and books under maintenance is forwarded for necessary action. Sports Complex: 1) Institute has separate extra-curricular activity cell which consists students and faculty members. 2) This cell is responsible for maintaining all the equipment available as per the procedures. 3) Sport activities in the campus and promoting students to participate outside at state and national level are carried out through extra-curricular committee. 4) Chess, Carrom, Badminton, Kabaddi, Kho-Kho, Cricket, Volleyball, etc. is available for the students during recess and after college time. 5) Students are promoted to participate in different activities carried out at state level and inter collegiate tournaments regularly. Computer centers: 1) Separate stand alone 100 PCs are available in computer center with internet facility having bandwidth 50 MBPS (1:1) and inhouse maintenance is carried out. 2) Dead stock verification ensures periodic maintenance and up gradation through ICT committee. Classrooms: 1) Classrooms amenities such as Benches, Black boards, Fans, Light tubes, Windows, Platforms and Podiums are issued and maintained through Central Store. 2) Electrical maintenance is carried out through electrical department and grievance of electrical facilities is noted in register. (Electrical appliances such as fan, tube lights, switch boards etc.) 3) Infrastructure maintenance of facilities like Notice board, display charts, Platform in classroom is carried out by workshop department. 4) ICT cell will take care of ICT facilities (LCD's with internet facility, Projectors, Wi-Fi).

<http://agce.sets.edu.in/InfraMain.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	52	1201643
Financial Support from Other Sources			
a) National	14	1757	33909328
b) International	0	0	0

[View File](#)

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft Skill development Program	11/03/2019	56	1
Yoga, Meditation	02/08/2018	65	1
Remedial coaching Classes	18/08/2018	159	1

[View File](#)

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Entrepreneurship Development Program	0	75	0	0
2018	GATE Orientation	5	50	0	0
2018	MBA CET Entrance Orientation	0	100	0	0
<a href="#">View File</a>					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
6	460	19	17	34	20
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	5	B E	Mechanical Engineering	Arvind Gavali College of Engineering, Satara	M.Tech
2018	2	BE	Electrical Engineering	Known IT CDAC ACTS, Pune	CDAC
<a href="#">View File</a>					

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

Items	Number of students selected/ qualifying
<b>No Data Entered/Not Applicable !!!</b>	
No file uploaded.	

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

Activity	Level	Number of Participants
Sawkar Trophy	District	201
Inter Collegiate Sport Competition	University	1
Taikwando event	University	45
<a href="#">View File</a>		

### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Gold	National	1	0	51654520 1711612000 00	Mr Abhishek Katkar
<a href="#">View File</a>						

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

The institute has formed active cell of student council as per the guidelines given by 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 contribute in all activities of the institute with 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 technical club. 9. Institute also provides the necessary support to student council for organization of academic, co curricular and extra-curricular activities. Students Council nomination were present in Magazine, library, hostel, mess, grievance etc committees.

### 5.4 – Alumni Engagement

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

Yes

Alumini 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 college life of the students and career opportunities available after graduation. Alumina

member's council to students for current challenges of 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 about 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 to the students and fellow alumni members in need. 10. To try to find Internship and industrial training opportunities to the students and fellow alumni members in need. 11. To assist in conduction 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 conducive 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 effective liaison to Industry. Fifth Alumni Meet: Alumni Association Arvind Gavali College of Engineering has conducted Fifth Alumni Meets on 19 Feb 2019. Mr. Nishant Gavali, Secretary, Samarth Educational Trusts was the chief guest for the program. During his speech he appeals the alumni to visit institute during free time and contribute for academic standard of the institute. Principal presented institute progress on academics, co curricular and extra-curricular activities. The program was concluded with cultural activity followed by lunch. Distinguished alumni shared their experience and promised to contribute for institute development. Suggestions and Feedback given by Alumni: 1. More focus on practical knowledge, industrial visits and aptitude to enhance placement. 2. Provide/conduct technical courses in college and guest lectures. 3. Expose students to digital and virtual learning facilities like digital library, e-book, research papers etc.

5.4.2 – No. of enrolled Alumni:

276

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

137500

5.4.4 – Meetings/activities organized by Alumni Association :

01

## **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)

Decentralization and participative management through various committees: At various levels the institute grooms the leadership through various committees such as Academic, Examination, IQAC, Library, Sports, Cultural, Alumni, etc. which work together for the smooth functioning of the Institute. Two best practices of decentralization and participative management are: 1. Active NPTEL Local Chapter a) This chapter has faculty members and students representative

one from each department. Out of these faculty members one was appointed as coordinator of the committee. b) Timeline and course Brochure of various courses is received from IIT Bombay and is circulated to the students. Separate counselling sessions were carried out for the selection of available courses. Students as per their area of interest select proper course along with faculty mentor. c) Separate NPTEL slots are arranged into the institute timetable accordingly. In this slot NPTEL lecture videos are made available to all students. d) A separate course wise mentor is assigned to the students according to their choices. e) Total 1193 students from all branches were enrolled for various courses. Out of which 141 students registered for the exam and total 21 students got ELITE grade in various courses. f) Institute is awarded with 'Active NPTEL local chapter from IIT Bombay. 2. Active Student Club: a) Institute has different departmental clubs such as MESA, CESA, ETSA etc. Under this club technical activities such as Engineers day celebration, Science exhibition, Robo racing, Circuit mania, CAD war, Lathe war, C war were coordinated. b) Student coordinators of these clubs are selected by taking the interview from the head of departments and senior faculty members. c) The different activities to be done are planned at start of the semester in line with the departmental activity plan. d) The activities are coordinated by the student coordinators along with respective departmental students. Activity reports are prepared and submitted to the department.

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
Industry Interaction / Collaboration	1. Inclusion of industry experts in Departmental Advisory Board(DAB). 2. In view of sharing technical resources and expertise, 18 MOUs are signed with reputed companies. 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 21 collaborative projects undertaken by the final year students.
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. 42 Print journals worth Rs.1.33 Lakhs and 179 Books worth Rs.2.00 Lakh are newly procured during 2018-19 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. 37 CC TVs are installed in the institute. 3. Physical infrastructural maintenance is carried out through Infrastructure committee.

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. For this, incentives such as study leave, financial assistance for research paper presentation etc. is provided. In 2018-19, 06 faculty members are pursuing PhD. 2. Potential research collaborators are identified and MoUs are established. Presently, 18 MoUs are established with companies. 3.



Research committee prepares and submits research proposals to AICTE, University and DST.

#### 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.

#### 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 have attended curriculum enrichment program at DBATU University Lonere for B.Tech Syllabus in November 2019. Faculty 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.

#### 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 extra-curricular activities like sports and other arts. 3. Maintaining Ragging-free environment 4. The institute conducts admission process awareness programs, counseling 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-governance 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. Half yearly audit is carried out by

	external CA. Accountant prepare payment sheet by deducting TDS, PT, Loan if any and do salary in bank. Quarterly 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 student 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 result, student has option to call photocopy of the answer sheet by paying charges to verify the assessment carried out by supervisor.

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr Jagtap P.N	Matlab Simulink held by JJM COE ,Jaysingpur	--	1385
2018	Mr Shaikh A.A	Matlab Simulink held by JJM COE, Jaysingpur	--	1240

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Quality Circle presentation	Nill	26/09/2018	26/09/2018	8	0
2018	Quality Circle presentation	Nill	03/10/2018	03/10/2018	12	0
2018	Quality Circle presentation	Nill	10/10/2018	10/10/2018	5	0
2018	2 week AICTE approved FDP on Foundation Program in ICT	Nill	13/09/2018	18/10/2018	19	0
2018	Moodle Learning Management System	Nill	10/10/2018	10/10/2018	6	0
2018	Pedagogy of online blended teaching learning Process	Nill	30/10/2018	13/11/2018	19	0
2018	MOU with Abhijat equipments	Nill	10/12/2018	10/12/2018	1	0
2018	Two days workshop on Node js	Nill	17/12/2018	19/12/2018	35	0
2019	One day workshop on Moodle Learning	Nill	15/03/2019	15/03/2019	6	0
<a href="#">View File</a>						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
---	---------------------------------	-----------	---------	----------

One day workshop on Moddle Learning	6	15/03/2019	15/03/2019	1
Two days workshop on Node js	35	17/12/2018	19/12/2018	2
Pedagogy of online blended teaching learning Process	19	30/10/2018	13/11/2018	15
Moodle Learning Management System	6	17/10/2018	17/10/2018	1
Two week AICTE approved FDP ON Foundation Program in ICT	19	13/09/2018	18/10/2018	15
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#### 6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
97	97	53	53

#### 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)

<p><b>Internal Audit:</b> After every six month institute undergoes quarterly internal audit. Institute appoint professional who are currently working under Chartered Accountant to do internal audit. They verify and confirm all finance related document. Report of audit is submitted to Principal and Registrar. In case of query, they instruct Chief account to take necessary action. <b>External Audit:</b> Institute each year undergo financial audit in the month of May and June. This audit is done by external Chartered Accountant (CA) as per the rules and regulations laid down by fee regulating authority. Cash book and daily account details with the help of Tally software is maintained. CA checks all entries in Tally software and verifies all books of accounts. Audited balance sheet duly signed is verified by fee regulating authority for fixation of student's tuition fee. Audited balance sheet is submitted to Income tax office and Charity Commissioner Office in due time.</p>
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#### 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

No Data Entered/Not Applicable !!!

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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dr. Pise A.T. ( Director, Government College of Engineering, Karad) Mr. Kulkarni R.S. (Senior Manager, Thermax India Ltd., Pune)	Yes	Dr. Petkar R.V ( Head of Department Mechanical, Jaywant College of Engg. And Management, Sangli Dr. Thombare V.R. (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. All the 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. Updating of Parents network through digital media. 5. Parents meeting carried out on 27.09.2018 and 19.03.2018  
Support: 1. To convey students performance during academic year to parents. 2. To discuss the problems those are faced by students. 3. To take help from parents for enhancing industry institute interaction. 4. Support for internship, guest lecture and placement.

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

1. Support staffs are motivated to take participation in skill development program like PMKVY. 2. Non teaching staff is promoted to attend workshops e.g Koha Library Automation Workshop : 53 Participants in this workshop held on 29 Sept 2018 3. Institute promote supporting staff for higher education such as B.Tech, MBA, etc. and deputed to premium institute such as IIT, Government Colleges and university departments for up gradation of knowledge. 4. Communication and personality development programs were arranged for supporting staff.

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

1. To promote project based learning Project Exhibition is organised from 2018  
2. Institute got IIT Remote Centre active from 2017. Student used to attend workshops in association with IIT through video conferencing 3. To enhance employability Industry Institute Interaction is strengthen. As a result placement of the student is increased during this academic year as compared to last year.

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
2018	MoU with Rajarambapu Institute of Technology, Sakhrale	12/09/2018	12/09/2018	12/09/2018	8
2018	Faculty Development programme on Research Innovation IPR	28/12/2018	28/12/2018	29/12/2018	55
2019	Soft skills Development Programme	11/03/2018	11/03/2018	13/03/2018	56

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### CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

#### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
A lecture on "Challenge Patriarchy by Promoting Gender equality" at a Hunda Virodhi Parishad Satara	08/03/2019	08/03/2019	15	10

#### 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 :** Gogawalewadi Village near Kanher dam, Satara **Date of conduction:** 21st July 2018  
**Objective:** 1. To create awareness in the students and faculty about natural environmental hazards like low rainfall or high rainfall, flood etc., arised due to cutting of large number of trees. 2. To sensitize the stakeholders for plantation of large number of trees to overcome the pollution in the environment. 3. Effect of tree plantation in reducing Ozone layer depletion.  
**Act of Conduction:** 1. The Arvind Gavali College of Engineering had organized 'Tree Plantation Activity at Gogawalwadi Village near Kanher dam dated 21 July



2018 in association with NSS chapter by taking inspiration from Government of Maharashtra announced 50 crore plantation programme within 3 years in Maharashtra. 2. The NSS unit of the institute 47 volunteers registered their name to participate in this activity. Out of 47 36 boys and 11 girls were actively involved in this activity. All NSS volunteers were gathered in college campus at 7:30 AM and college bus was organized to reach the Gogawalewadi location. 3. NSS programme Officer Asst. Prof. Shinde M.J. along with the NSS volunteers were present at the location at 08:15 AM. The activities began by public awareness rally about tree plantation. For this activity Mr. Kewvate Sir (Agricultural Officer), Mrs. Nanavare S.H. (Gramsevek Officer, Gogawalewadi) and Sarpanch were present. During this activity 315 trees were planted. Name of Activity: Save Electricity Location: Arvind Gavali College of Engineering, Satara Date of conduction: 11th August 2018 Objectives: 1. To create awareness in the students and faculty members for saving electricity 2. To create awareness among students and faculty members about use of natural energy resources e.g. use of CFL, LED, tubes are replaced by solar etc. Outcome: 1. All the electrical devices (including lights, fans) are switched off when not in use to avoid wastage of energy. 2. In campus CFL and LED bulbs are used, Solar panel is installed on the top of the building and solar light is utilized. 3. All students, staff members and 47 volunteers from the NSS club had taken an oath of saving electricity. Name of Activity: Non Vehicle day Location: Arvind Gavali College of Engineering, Satara Date of conduction: Every Saturday. Objective: 1. To make students aware about global warming and changes in environment due to pollution because of use of petrol and diesel of vehicles. 2. To make aware about pollution free environment. 3. To encourage everyone 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.

#### 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

#### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva	Number of initiatives taken to engage with and contribute to	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff



	ntages	local community					
2018	1	1	21/07/2018	1	Awareness Camp on Eco Friendly Diwali	Advantages: Industrial Hub and convenient location, Disadvantages : Urban and crowded area	32
2018	1	1	02/10/2018	1	Swachhata Awareness Rally	Advantages: Created awareness among students , staff and peoples about cleanliness , Disadvantage: Industrial ,urban and crowded area	42
2019	1	1	06/02/2019	1	Road Safety Lecture	Advantages of safety features in roads and vehicles are a lower rate of injurie, Disadvantage: Pollution caused by vehicle	45
2019	1	1	23/02/2019	1	Blood donation Camp	Advantage:Regular blood donation reduces the weight of the donors , Disadvant	101

age: The blood banks rely heavily on the replacement donors due to lack of required numbers of voluntary donors to maintain stock

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

Title	Date of publication	Follow up(max 100 words)
AGCE Ethical code of conduct	01/07/2018	Code of conduct of DBATU is as it is accepted by AGCE (A) FOR TEACHING FACULTY MEMBERS (B) 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
'Sakal' media group in association with Youngs Inspirators Network(Y/N) and AGCE Satara	07/01/2019	07/01/2019	32
Basic Human Rights (BHR) lectures were conducted at AGCE Satara.	18/07/2018	22/10/2018	71

[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. • Tree plantation: Planting trees is one of the most important things we can do to contribute to the health of the society and to keep the environment green. The college organizes tree plantation programme every year to inculcate this tradition amongst the students. • Garbage Collection: The waste water from the chemistry lab is treated in the STC (Sewage treatment chemicals). Every member of college is well versed with cleanliness in campus. • E-waste management: Old computers are reused in schools. The waste and scraps of e-waste is periodically handed over to the vendors of electronic equipment for safe and proper disposal.

## 7.2 – Best Practices

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

A) Best Practice No. 1: 1. Title of Practise: Institute Scholarship (Sawkar Scholarship) Goal: To promote Institute scholarship to the students from rural background having poor economical background to take higher education. The Contest: The corresponding Institute scholarship scheme has started on the name of "Sawkar Scholarship". The main motto for starting this scheme is to give quality technical education to the students from rural backgrounds which are interested to take technical education but due to poor family background they are not able to take admission by paying huge amount of fees. The Practise: Every year Institute issues the Institute Scholarship scheme to the interested students which are from below poverty family background. The Institute scrutinizes the forms and selects appropriate students for facilitating the Institute Scholarship. Evidence of Success: The students who have been admitted through this scheme are taking technical education irrespective of their poor family background. Problems encountered and resources required: Problem encountered during the execution of Sawkar Scholarship is selection criteria of below poverty students. Resources required are additional financial support from Samarth Educational Trust to run the institute. 2. Future plans: Institute is planning to accommodate more number of students under Institutional Scholarship. B) Best Practice No. 2: 1. Title of Practise: Domain wise batches. Goal: 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 etc. The Contest: 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 to the students and enhance placement. The Practise: Every year HOD forms the class wise and domain wise batches of SY, TY and BE students. This helps the students to gain practical knowledge about different domains like Database, Python, IoT. HTML,R, 3D Printing, automation, mechatronics, data science, machine learning etc. Evidence of Success: 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. Problems encountered and resources required: 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 specifi industrial experts are difficult to manage due to rural area. Future plans: HODs have decided to provide resources to domain wise batches from alumni. Laboratories are also formed domain wise like Computer networking lab, Database lab, Computer programming lab etc. C) Best Practice No. 3: Title of Practise: Best Faculty Award Goal: The main aim for giving best faculty award is to motivate faculty for delivering best theoretical and practical knowledge to the students for their overall growth. Also to inspire the faculty

for pursuing their highest qualification (PhD). The Contest: The corresponding best faculty award is awarded to the awardees in the name of 'Arvind Gavali College of Engineering'. The main motto for starting this scheme is to inspire faculty to give quality technical education to the students. The Practise: Every year institute awards the excellent performer in faculties for his/her contribution to the department and also handled administrative tasks by working in different committees. Evidence of Success: The faculty who have felicitated with this best faculty award have registered to PhD program. Problems encountered and resources required: Faculties perusing PhD require a research center in the college for their study. Future plans: Institute is planning to develop a research center in the college for PhD aspirants.

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

<http://agce.sets.edu.in/bestpractices.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

Arvind Gavali College of Engineering Satara aspires to become first NAAC graded institution in Satara region and is known for 1. Effective conjunction between teaching learning process Arvind Gavali College of Engineering, Satara provides a perfect platform to students to develop their innovative skills by promoting a research based teaching and learning process. Teachers 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. One of the faculties from Computer Science and Engineering department has also won best paper award in international conference and has presented 3 papers in national and international journals. Students have also won prizes in quiz competitions, debates and other events in the academic year 2018-2019 organized by institutes. 2. Promoting physical, moral and cultural development of students Apart from academic excellence, the institute also plays sincere attention to the physical, moral and cultural development of students. Students have shown outstanding performance in university level sports tournaments in the year 2018-2019. Institute also actively encourages the organization of moral and cultural events such as observance of 125th anniversary of Swami Vivekanandas Chicago Speech, Celebration of Shivjayanti on 19th February, Teachers day on 5th September, Engineer's Day on 15th September, Women's day on 8th March etc. 3. Preparing students for the competitive world through NPTEL sessions Institute sincerely prepares students for the competitive world. Students of 2017-2018 batches have been enrolled for higher studies in prestigious institutes. 4. Academic and professional development of teachers and staff Professional and academic development of teachers is always encouraged. In the year 2018, three faculty members from Mechanical Dept., one faculty member from Civil Engineering and one faculty member from Computer Science and Engineering Dept have registered for PhD. In the year 2019, one faculty from Mechanical Dept. and one faculty member from Computer Science and Engineering Dept. have registered for PhD. Faculty members participate in short term courses, orientation programs and other training programs. Technical and administrative staff of the college provides necessary training and support by faculty members as and when required.

Provide the weblink of the institution

<http://agce.sets.edu.in/ipida.php>

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

1. Enhance Engagement with Society and Industry Institute engages with the stakeholders to understand needs and their issues to inform educate and share best practices. The Training and Placement Cell, Entrepreneurship Development Cell, Research and Development Cell are the primary interface for research and consultancy projects. The institute will aim to create an ecosystem for deeper collaboration with industry in several modes, including consultancy, sponsored research projects, technology transfer and continuing education. a. Develop an ecosystem to enable and support faculty involvement in the research towards industry and society development. b. Strengthen incubation and entrepreneurship ecosystem in the campus. c. Enhance engagement with educational and research institutions in the region with joint workshops. 2. Improve internal support systems The complexity of its activities has increased with strong linkages and joint programmes with government agencies, industry, reputed institutes, alumni and society. Supporting staff numbers have depleted over time and there is a deficit felt, in particular, of technical staff and staff with specialized qualifications. The administrative load on faculty for running projects, routine department administrative activities, purchases, running add on courses and conferences is significant. Setting up and maintaining research infrastructure is another area where faculty spends a lot of time. a. Simplify systems and processes with a modern digital system. b. Establish improved faculty orientation and mentorship programme for new faculty members. c. Conduct regular satisfaction survey through feedback system. 3. Enhance student experience Institute attracts the best students of the region and offers them flexible but rigorous academic programmes and facilities for a wide range of professional and extracurricular activities. 4. Enhance diversity The Institute will encourage diversity and strive to provide an inclusive and supportive environment to physically handicapped, minorities and weaker sections of the society. The institute strives for equal representation from men and women among its faculty, students and staff members. Information campaign will be carried out to inform school children and their parents of the opportunities for women in engineering, particularly engineers graduating from the institute. 5. Enhance alumni engagement Alumni have been key stakeholders in the Institute's evolution and growth. Alumni achievements have been a source of pride for the Institute and have contributed in society. There have been several successful initiatives from the alumni such as, placement support, training support, industry sponsored project guidance, etc .