

# Annual Quality Assurance Report

(AQAR) 2017-18

Submitted by

The IQAC of



***SAMARTH EDUCATIONAL TRUST***  
***ARVIND GAVALI COLLEGE OF ENGINEERING***

To

**National Assessment and  
Accreditation Council, Bangalore**

December 2018

## Part – A

### I. Details of the Institution

1.1 Name of the Institution	Arvind Gavali College of Engineering
1.2 Address Line 1	247, Varye, Satara
Address Line 2	
City/Town	Satara
State	Maharashtra
Pin Code	415015
Institution e-mail address	agcenggsatara@gmail.com
Contact Nos.	+918356897430/+8482875175
Name of the Head of the Institution:	Dr. Vidhulata Mohite
Tel. No. with STD Code:	02162200100
Mobile:	+918356897430
Name of the IQAC Coordinator:	Mr. V. S. Hingmire
Mobile:	8482875175
IQAC e-mail address:	vs.hingmire@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN25024

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

EC (SC)/19/A&A/41.1 Dated 02-05-2017

1.5 Website address:

www.agce.sets.edu.in

Web-link of the AQAR:

http://www.agce.sets.edu.in/AQAR.php

1.6 Accreditation Details

Sr. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B+	2.55	2016	5
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY

14/07/2012

1.8 AQAR for the year (for example 2010-11)

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

AQAR 2016-17 (31/07/2017)

1.10 Institutional Status

University

State  Central  Deemed  Private

Affiliated College

Yes  No

Constituent College

Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(e. g. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12 B

Grant-in-aid + Self Financing  Totally Self-financing

#### 1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

Nil

#### 1.12 Name of the Affiliating University (*for the Colleges*)

Shivaji University Kolhapur (Third Year & Final Year)

Dr. Babasaheb Ambedkar Technological University, Lonere (First Year & Second Year)

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence	<input type="text" value="Nil"/>	UGC-CPE	<input type="text" value="Nil"/>
DST Star Scheme	<input type="text" value="Nil"/>	UGC-CE	<input type="text" value="Nil"/>
UGC-Special Assistance Programme	<input type="text" value="Nil"/>	DST-FIST	<input type="text" value="Nil"/>
UGC-Innovative PG Programmes	<input type="text" value="Nil"/>	Any other ( <i>Specify</i> )	<input type="text" value="Nil"/>
UGC-COP Programmes	<input type="text" value="Nil"/>		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="5"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="2"/>
2.3 No. of students	<input type="text" value="0"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2. 6 No. of any other stakeholder and Community representatives	<input type="text" value="1"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="1"/>
2.8 No. of other External Experts	<input type="text" value="0"/>
2.9 Total No. of members	<input type="text" value="11"/>
2.10 No. of IQAC meetings held	2

2.11 No. of meetings with various stakeholders: No.  Faculty

Non-Teaching Staff  Students  Alumni  Others (Parents)

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

Outcome based education promoted through workshop, employability enhancement program, student training activities in association with IIT through IIT remote center

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
Promote Outcome based education	Conducted one week FDP on Outcome Based Technical Education. Over 75 faculties attended workshop. All departments preparing for accreditation.
Employability enhancement	Mathematical Aptitude and Soft Skill Development program for Employability Enhancement carried out for Third year and final year students
Improve quality of education and Technical and soft skill among students activities in association with Premium institute	College to Corporate Program- Technical Skill in association with IIT Bombay through remote centre – 46 students participated Soft Skill and workplace communication association with IIT Bombay through remote centre- 80 students participated
Promote Project based education	Conducted Tech Fest-Regional Science Exhibition over 550 students participated Conducted Prayog- State Level Project Exhibition around 282 students participated

*\* Academic Calendar of the year 2017-18 is attached in Annexure I.*

2.15 Whether the AQAR was placed in statutory body	Yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Management		<input type="checkbox"/>	
Syndicate		<input type="checkbox"/>	
Any other body (CDC)		<input checked="" type="checkbox"/>	

## Part – B

### Criterion – I

#### I. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	Nil	Nil	Nil	Nil
PG	1	1	1	Nil
UG	5	Nil	5	Nil
PG Diploma	Nil	Nil	Nil	Nil
Advanced Diploma	Nil	Nil	Nil	Nil
Diploma	2	Nil	2	Nil
Certificate	Nil	Nil	Nil	Nil
Others(PMKVY)	Nil	Nil	Nil	9
<b>Total</b>	8	1	8	9

Interdisciplinary	Nil	Nil	Nil	Nil
Innovative	Nil	Nil	Nil	Nil

##### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	6
Trimester	Nil
Annual	Nil

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
(On all aspects)

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

\* an analysis of the feedback is provided in the Annexure II

##### 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

In Academic Year 2017-18 Institute got affiliation from Dr. Babasaheb Ambedkar Technological University, Lonere (DBATU). For First year B. Tech and M. Tech syllabus is designed by academic council of DBATU will be effective from academic year 2017- 2018. The Syllabus is designed to



accommodate industrial requirement Such as Practical based learning, Outcome based education, continuously updating syllabus, Credit system, Subject related with soft skills.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

To cater needs of society, one new PG department introduced this year 2017-18 namely M. Tech. Mechanical -Heat Power Engineering (**654569910**). This program is affiliated to BATU University with intake capacity of 18. Also, nine different courses under PMKVY have been started for Skill Development.

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	96	93	02	01	Nil

2.2 No. of permanent faculty with Ph.D. 02

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	36	0	1	19	1	9	0	0	36	28

2.4 No. of Guest and Visiting faculty and Temporary faculty Nil Nil Nil

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	48	Nil	Nil
Presented papers	48	Nil	Nil
Resource Persons	Nil	Nil	Nil

2.6 Innovative processes adopted by the institution in Teaching and Learning:

All faculty members follow continuous evaluation documents which contain

- Program Educational Objectives, outcomes and its mapping
- Course Objectives, outcomes and its mapping with PO
- Lesson Plan and assessment tools
- Topic covered and number of lectures conducted
- Teaching methods
- Assignment questions and results of the unit tests
- Content beyond the syllabus keeping pace with industrial development
- Practical plan its implementation

As per the schedule in every semester performance of the student is assessed by means of Mid Semester test and End semester test.

For the weaker performing students, remedial classes are conducted for different subjects. Industrial visit are arranged to bridge the gap between theoretical knowledge and real life scenario. To make students involved in the teaching learning process, new and innovative teaching techniques in addition to the traditional lecture method are introduced. Guest lectures are conducted by inviting distinguished personalities from different Institutes and Industries. Each faculty member of the department is connected to Mentorship program. Each member of the teaching faculty is entrusted with the task of mentoring 20 students. They are responsible for academic and personal mentoring of these students. This is to strengthen the bonds of appreciation and affection that exists between teacher and students.

2.7 Total No. of actual teaching days during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Online Multiple Choice Questions (Topic Wise Test), Retest & Open Book Examination.

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop.

1 04 17

2.10 Average percentage of attendance of students

77.54

2.11 Course/Program wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
CSE	54	74	16.66	00	00	90.66
Mechanical	111	42.34	43.24	9	3.6	98.18
E&TC	51	54.90	37.25	3.92	00	100
Electrical	41	63.41	34.14	00	00	97.56
Civil	47	48.93	34.04	14.89	00	97

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

The IQAC contributes a lot in improving teaching learning process.

Course file of individual faculty containing study material, assignments, Continuous Assessment is monitor through MOODLE by MOODLE Admin Team and result analysis is evaluated by academic committee and the report is submitted to IQAC.

Online Students feedback about teaching learning process is taken through MOODLE and all such inputs are given to the IQAC.

Monthly Internal Academic Monitoring Committee (IAMC) started in Academic year 2017-18 Term-I. Report submitted to IQAC.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	Nil
UGC – Faculty Improvement Programme	65
HRD programmes	Nil
Orientation programmes	65
Faculty exchange programme	Nil

Staff training conducted by the university	Nil
Staff training conducted by other institutions	65
Summer / Winter schools, Workshops, etc.	38
Others	Nil

#### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	16	Nil	Nil	Nil
Technical Staff	41	Nil	Nil	Nil

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

To promote the R & D activities in institute policy is framed out through which international conference is organized every academic year in the month of February for students and faculties. Funds are provided to Innovative project of students.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	Nil	Nil	Nil	Nil
Outlay in Rs. Lakhs	Nil	Nil	Nil	Nil

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	Nil	Nil	Nil
Outlay in Rs. Lakhs	0.74	Nil	Nil	Nil

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	48	0	0
Non-Peer Review Journals	0	0	0
e-Journals	0	0	0
Conference proceedings	48	0	0

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

#### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	Nil	Nil	Nil	Nil
Minor Projects	2017-18	Indian Biodiesel Corporation	64000/-	64000/-
Interdisciplinary Projects	Nil	Nil	Nil	Nil
Industry sponsored (BE)	2017-18	A.R. Engineering, Satara	10000	10000
Projects sponsored by the University/ College	Nil	Nil	Nil	Nil
Students research projects <i>(other than compulsory by the University)</i>	Nil	Nil	Nil	Nil
Any other	Nil	Nil	Nil	Nil
Total	Nil	Nil	74000/-	74000/-

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from   
 UGC-SAP  CAS  DST-FIST   
 DPE  DBT Scheme/funds

3.9 For colleges  
 Autonomy  CPE  DBT Star Scheme   
 INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

Received Rs. 74,122/- under Shivaji University Lead College Activity (2017-18).

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	Nil	Nil	Nil	Nil
Sponsoring agencies	Shivaji University Kolhapur	Nil	Nil	Nil	Nil

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs: 1.5 Lakhs

From funding agency  From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	Nil
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialized	Applied	Nil
	Granted	Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows  
Of the institute in the year

Total	International	National	State	University	Dist	College
Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

1

1

3.19 No. of Ph.D. awarded by faculty from the Institution

Nil

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF Nil SRF Nil Project Fellows Nil Any other Nil

3.21 No. of students Participated in NSS events:

University level 04 State level Nil

National level Nil International level Nil

3.22 No. of students participated in NCC events:

Nil

University level Nil State level Nil

National level Nil International level Nil

3.23 No. of Awards won in NSS:

0

University level 0 State level 0

National level 0 International level 0

3.24 No. of Awards won in NCC:

Nil

University level Nil State level Nil

National level Nil International level Nil

3.25 No. of Extension activities organized

University forum	01	College forum	04		
NCC	00	NSS	04	Any other	01

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Title of the Activities	Organizing unit/ agency/ collaborating agency	Number of teachers coordinated such activities	Number of students participated in such activities
NSS Camp	AGCE and Bamnoli Village Panchayat	05	50
Nirmalya Collection	AGCE and Taluka Police Station Satara	05	52
Health Check-up Camp	AGCE and Bamnoli Village Panchayat	05	50
Soak Pit Creation	AGCE and Bamnoli Village Panchayat	05	52
Swachh Bharat Abhiyan	AGCE and Panmalewadi Panchyat	05	52
Cyber Crime Awareness	AGCE and Taluka Police Station Satara	05	50
Women Empowerment	AGCE Satara	05	52
Organic Fertilizer Awareness	AGCE Satara	05	52



## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	15.36 acre	Nil	Nil	15.36 acre
Class rooms	24	Nil	Nil	24
Laboratories	43	5	Nil	48
Seminar Halls	04	Nil	Nil	04
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	333 –PC 20- Major Equipment	1) 8KVA spot welding machine- 44,958/- 2) Cut of machine 1ph, 3hp, 1440 rpm- 39,217/-	Institute	353
Value of the equipment purchased during the year (Rs. in Lakhs)	1,99,69,568/-	84,175/-	Institute	20,053,743/-

#### 4.2 Computerization of administration and library

Total number of compute for public access	10
Total number of printers for public access	01
Internet band width /speed	32 Mbps(1.1 LL OFC)
Content management system for e-learning	Yes

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	9742	2505385	189	97025	9921	2602410
Reference Books	1024	987453	Nil	Nil	1024	987453
e-Books	1596	Nil	Nil	Nil	1596	Nil
Journals	30	431397	37	111000	37	111000
e-Journals	01	13570	01	13570	01	13570
Digital Database	Nil	Nil	Nil	Nil	Nil	Nil
CD & Video	192	Nil	Nil	Nil	Nil	Nil
Others	Nil	Nil	Nil	Nil	Nil	Nil

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centers	Computer Centers	Office	Departments	Available band width (MGBPS)	Others
Existing	333	12	32 Mbps (1:1)	Nil	75	9	6	6(Servers)	75
Added	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total	333	12	32 Mbps (1:1)	Nil	75	9	6	6(Servers)	75

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

Program Organized for Website creation using word press for uploading the course material.

#### 4.6 Amount spent on maintenance in lakhs:

##### i) ICT

##### a. Computer peripherals R & M-

19,125/-

##### ii) Campus Infrastructure and facilities

- a. Furniture VVIP – 8,680/-
- b. Repairs, Maintain. Etc.- 1,580/-
- c. Gymkhana- 4,566/-
- d. College Board, Notice board– 14,700/-
- e. National Anthem Player Repair- 5,300/-

34,826/-

##### iii) Equipments

##### a. Lab equipments & Machinery Repair-

9,245/-

iv) Others (miscellaneous)

a. Vehicle Repairs, Insurance etc.-

38,932/-

Total:

1,02,218/-

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Students are availing various learning recourses as well as attendance status through MOODLE.
- Email facility is used to communicate with all faculties.
- Mentoring scheme is implemented for student counseling as well as monitoring
- Induction programme is conducted for first year Engineering students.

#### 5.2 Efforts made by the institution for tracking the progression

- Following systems are implemented for tracking student progression:
- i) Effective GFM system.
  - ii) Updating student diary with GFM and parent signatures.
  - iii) Student progress is communicated to parents by conducting parent meets.
  - iv) Remedial classes for slow learners.

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
970	05	Nil	220

#### (b) No. of students outside the state

01

#### (c) No. of international students

Nil

Men	No	%
	574	59.17

Women

No	%
396	40.82

This Year( 2017-18)						Last ( 2016-17)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
757	36	1	175	0	970	831	32	Nil	230	Nil	1093

Demand ratio 69.48 %

Dropout % 3.47 %

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

College has set up separate library section for Competitive examinations which includes 59 books. And Time to time guest lectures on competitive exams are organized by institute. Career guidance seminar is conducted.

No. of students beneficiaries

100

#### 5.5 No. of students qualified in these examinations

NET	Nil	SET/SLET	Nil	GATE	Nil	CAT	Nil
IAS/IPS etc	Nil	State PSC	Nil	UPSC	Nil	Others	Nil

#### 5.6 Details of student counseling and career guidance

- 1) Conducted Training program on Employability Skill Development and Soft Skill by Miss. Chavan Roshana 22<sup>nd</sup> Jan to 9<sup>th</sup> March 2018
- 2) Conducted Program on Yoga and Meditation by Dr. Priya Jagdale on 24<sup>th</sup> July to 28<sup>th</sup> July 2017
- 3) Conducted Remedial coaching Classes by Mrs. Kasture A.D.on 11<sup>th</sup> to 17<sup>th</sup> Oct 2017

No. of students benefitted

233

#### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
02	107	41	12

#### 5.8 Details of gender sensitization programmes

- 1) Institute every year either organize gender sensitization programmes or promote students to participate in such programs. This year students participated in gender sensitization program organized by Adv. Varsha Deshpande (Social worker) at Shahukala mandir satara.
- 2) To address related problem Internal Complaints cell has been established and active in institute.

## 5.9 Students Activities

### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

### No. of students participated in cultural events

State/ University level  National level  International level

### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level  National level  International level

Cultural: State/ University level  National level  International level

## 5.10 Scholarships and Financial Support

	Number of Students	Amount
Financial support from institution	11	277,904/-
Financial support from government	828	23,948,369/-
Financial support from other sources	Nil	Nil
Number of students who received International/ National recognitions	Nil	Nil

### 5.11 Student organized / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: \_\_\_\_\_ Nil \_\_\_\_\_

## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

Vision: To transform the youth power into knowledgeable, skilled and confident engineers.

Mission: To facilitate best teaching-learning practices by creating and Maintaining a supportive environment to develop competent engineers

- To develop professionals having values of ethics, lifelong learning, Teamwork and social responsibility
- To inculcate research and development culture
- To enhance Industry-Institute Interaction (III cell)
- To remain committed towards implementation of OBE philosophy
- To focus on excellent academic results and placements
- To empower the rural community

#### 6.2 Does the Institution has a Management Information System

Yes. MIS is used for-

- Accounts and financial works (e.g. Tally) - Institute accountant used to keep record of all financial on license software Tally which includes fees of students, operational expenses, equipment, furniture, maintenance etc.
- Staff attendance biometric- Staff attendance record is maintain by biometric attendance.
- Library (Library Management Software by Biyani Technology) - This software is helpful to incorporate barcode system for books issue and return. It keeps the record of book issued and return. OPAC system allows students to search books available and put requisitions through Personal computer in the library
- MOODLE- It is open source platform develop for academic institution. It can be customize to keep the student record online like their Attendance, Test result etc. Also faculty can upload notes, e-learning resources like PPT, Video lectures which can be access by students online.

### 6.3 Quality improvement strategies adopted by the institution for each of the following:

#### 6.3.1 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 for First Year B. Tech Syllabus. Faculty used to interact with academicians through workshops, Conferences.

#### 6.3.2 Teaching and Learning

##### Semester Pre-commencement Preparations-

- Lesson plans
  - Course learning Objectives and Course Outcomes
  - Topic learning Objectives and Outcomes
  - Course notes
  - Updating the library with appropriate books as suggested by the faculty
  - Modifying the laboratories to cater for the needs of revised syllabus and new technology
  - Use of MOODLE platform-This platform is developed as a resource to the students. All Courses related information material, model answers for Unit Tests and University Examination Papers, attendance of students, test performance of students are uploaded on the MOODLE by the faculty. Monitoring students performance through
  - Internal Unit Test-I and II
  - Assignments and seminars, projects monitoring the teaching process through
  - Online feedback from students (Mid semester and end semester)
  - Oral feedback from students in the student council meeting with Head of department and Dean (Academic) and during Mentoring sessions.
- Academic audit by Academic committee
- Audit of completed syllabus (Monthly)
  - Result analysis at the end of semester examination.
  - Addressing issues of individual student through GFM
  - Additional classes for slow learners
  - Personal guidance to students approaching with difficulties
  - Mentoring of students to motivate for betterment of performance
  - Addressing issues related to course
  - Extra lectures are allocated in the time table for courses of difficult nature.
  - Teaching methodology workshops are conducted
  - Lectures are conducted on prerequisite topics
  - Expert lectures are conducted on topics related to the course, but, outside the syllabus
- Remedial lectures are conducted for slow learners and for students with lateral entry admitted late.
- Addressing issues of faculty
- Course assignment as per Competency Matrix.
- Mentoring and guidance to faculty for a course handled by him/her by senior/competent faculty
  - Inputs from IQAC, Department Academic advisory committee, Parent-Teacher association and various Feedback mechanisms are considered for improvising the teaching-learning.



### 6.3.3 Examination and Evaluation

Two internal unit tests are conducted per semester. For the first year students, in addition, a preliminary examination is conducted at the end of semester.

- Timely assessment of tests is done and the result is displayed.
- Term work evaluation is done on Continuous basis. Students, after getting to know the marks at the early stage of semester, get an opportunity/scope to improve their credentials.
- Theory examination and practical/oral examinations are conducted as per Shivaji University schedule and rules.
- The Faculty contributes in the university examination work like- question paper setting, invigilation duty of theory examination, examiner and subject experts for the PO examinations & assessment of theory Examinations answer books.

### 6.3.4 Research and Development

- Research and Development Cell is formed to promote Research and Development in the institute. The cell includes faculty, academicians and researchers. The cell meets once in a semester and delivers guidelines for quality improvement in R and D.
- 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 2017-18, 06 faculty members are pursuing PhD.
- The institute motivates the students to undertake complex engineering projects as a part of curriculum as well as for participating in external project competitions. Financial assistance is provided by the institute for genuine researchers. Final year students' project exhibition is organized.
- Potential research collaborators are identified and MoUs are established. Presently, MoUs are established with companies.

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

#### Library

- Central Library committee gives guidelines for improving the quality of library resource.
- Suggestions from student's committee for Library and IQAC suggestions are used for improvement in quality of library resource.
- New books/journals are purchased every year to update the library. All Faculties is involved in this Process. 37 Print journals worth Rs.1.11 Lakhs and 189 Books worth Rs.1.03 Lakh are newly procured during 2017-18 by the Central Library.
- Automation in Library management is increased.
- Presently, Library Circulation is fully automated. The services like Web OPAC (Online Public Access Catalogue).
- Institutional membership of DELNET (Developing Library Network) is taken which gives access to more than 10,000 e-books and e journals and NDL(National Digital Library) which gives access to million of e-resources.
- Each Department has own Library facility that includes text books, project and seminar reports and Papers published.
- Group Book bank provided to all students. This is coordinated by Guardian Faculty member.

**ICT**

- The institute regularly increases ICT facilities for classrooms, tutorial rooms and Laboratories. Presently, each Department has minimum 1 class rooms that are equipped with LCD Projector audio system, Wi-Fi facility and wired internet/ network facility, each department is provided Computer for faculty usage in interactive teaching.
- The institute regularly enhances the Internet connectivity facility. Presently, the Internet facility includes: 32 Mbps leased line.
- The institute has FTP Server for resource access.
- The institute is regularly increasing the Usage of MOODLE platform by the faculty: Notes, assignments, announcements, notices, question bank, quiz are uploaded. The MOODLE platform itself is revised to enhance user friendliness.

**Physical infrastructure**

- Physical infrastructure is increased to address the needs of a trade or a course or the intake capacity of the course.
- Computers and Software has been added in language laboratory.
- Infrastructure in the form of development of Parking space was added.
- In2017-18, CC TV's are installed in some classrooms.

### 6.3.6 Human Resource Management

While recruiting and retaining the HR, the institute adheres to the quality improvement strategy.

- 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 to undertake such development programs.
- The institute organizes HR development programmes for faculty, staff and students for skill up gradation and training.
- Faculty is felicitated for their academic achievements.
- For compensation and benefits of the students and the staff, welfare schemes exist in the institute.
- The institute uses performance evaluation methods for the HR. At the end of every year, Performance evaluation of the staff is done by head of the department/section. This is used for deciding promotions and increments. Own performance evaluation is done by the faculty and reports are submitted to the Principal.
- Weekly meetings of higher authority with the section heads are conducted to ensure healthy relations and communication amongst the members of the section. Occasionally, meetings of faculty, staff and Students with the top management are conducted.

### 6.3.7 Faculty and Staff recruitment

Faculty recruitment is done by following the procedures and rules of UGC and Shivaji University.

- Quality staff recruitment is done on the basis of field knowledge and interaction skills. These are judged from the interview of the candidate.
- In case a need arises to recruit a faculty on temporary basis, the selection is done on the basis of course knowledge and lecturing/ interaction skills.
- Qualified and experienced faculty is identified and appointed as guest faculty or adjunct faculty.

### 6.3.8 Industry Interaction / Collaboration

- Inclusion of industry experts in departmental Advisory Board (DAB)
- In view of sharing technical resources and expertise, MOUs are signed with reputed companies.
- Industry Internship programs, industry designed certification courses and Industrial training during vacation are Organized for the students.
- Orientation programs are conducted for the students and guest lectures by the Industry experts
- Some of the projects undertaken by the students are sponsored by industries. These projects are based on the needs of that industry.
- Alumni placed in the reputed industries are invited for informal dialogue with the students.
- Entrepreneurship training workshops are organized for the students.
- Industry offers internship programs to the student.

### 6.3.9 Admission of Students

- Admission of the students is through a central process conducted by a state government body DTE (Directorate of Technical education) where students choose an institute as per their requirement. Students the region used to prefer institution for admission to this institute due to its quality of education and Accreditation. The institute maintains this reputation by adopting following strategies-
- 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.
- Encouraging extra-curricular activities like sports and other arts.
- Maintaining Ragging-free environment
- The institute conducts admission process awareness programmes, counseling sessions for prospective students.
- Career counseling program are arranged at different colleges and in also at AGCE campus during admission process.
- Scholarships are offer to needy and scholar students.

### 6.4 Welfare schemes for

Teaching	Insurance Policy
Non teaching	Insurance Policy, Uniforms
Students	Insurance Policy, Concession in the mode of payment of fee Fee payment in installments First aid unit in every department / building.

Nil

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done    Yes     No

6.7 Whether Academic and Administrative Audit (AAA) have been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	Academic Dean
Administrative	No	Nil	Yes	Management , Registrar, Principal

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes    Yes     No

For PG Programmes    Yes     No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Institute got affiliation for First year B. Tech and M. Tech from Dr. Babasaheb Ambedkar Technological University (BATU), the examination pattern is Credit based. Provide number of elective & introduced mini project to ensure project based learning.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Nil

## 6.11 Activities and support from the Alumni Association

### **Alumni Association of Arvind Gavali College of Engineering**

The concept of alumni association evolved for needs from both the ends, i.e. academicians and professionals, in the aim of building a bridge between college life and career life, so that the fresher graduates are made proactive to face the current challenges of competitive professional world. Both the ends shall work hand in hand to help each other for achieving the goal. The idea took shape and formation of Alumni Association turned into reality.

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”.

Objectives:-

1. To provide a forum to establish a link between the alumni, staff and students of the Institute.
2. To enable the alumni to participate in activities that would contribute to the general development of the Institute and the Society.
3. To help the alumni with their technical and relocation problems.
4. To try to find employment opportunities to students and fellow alumni members in need.
5. To give institute prizes and scholarships, and render financial aid to needy and deserving students of the Institute.
6. To assist in conduction and organizing academic activities like conferences, workshops, technical symposiums.
7. To contribute towards the welfare of the alumni.
8. To keep the alumni abreast of scientific and technological developments of national and global importance.
9. To generate funds to give scholarships to meritorious students and awards to toppers of all branches of engineering.
10. To arrange seminars and debates for technical guidance to students for knowledge and career Advancement.
11. To invest and deal with the funds of the Association.
12. 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.
13. To promote Entrepreneurship & Innovation among the students.
14. To help Institute for effective liaison to Industry.

Alumni Association Arvind Gavali College of Engineering has conducted four Alumni Meets till date.

#### **First Alumni Meet:**

The first Alumni meet was held on 24 February 2015.

The guest for that meet was 1. Dr. P. S. Pondav

Deputy Registrar Shivaji University, Kolhapur.

2. Mr. Subhash Doshi

Chairman M/S Abhijit Equipment Pvt. Ltd. Satara.

Total Alumni were Present : 20

### **Second Alumni Meet:**

Second Alumni meet was held on 20 February 2016.

The guest for that meet was 1. Mr. Shekhar Bidwai  
Chinmay Education Consultancy,  
Pune.  
2. Mr. Vaibhav Raut  
Maharashtra Scooters,  
Satara.

Total Alumni were Present: 51

### **Third Alumni Meet:**

Third Alumni meet was held on 19 February 2017.

The guest for that meet was- 1. Mr. Sujit Kalunge.

They have given speech on Management Skills of Hon. Chatrapati Shivaji Maharaj on Occasion of alumini meet.

Total Alumni were Present : 59

### **Forth Alumni Meet:**

Forth Alumni meet was held on 7 April 2018.

The names of guests 1. Mr. Zakir Mirza  
President, Builder's Association, Satara.  
2. Mr. Avinash Deshmukh  
TCS, Pune.

Total Number of Alumni Present : 89

## 6.12 Activities and support from the Parent – Teacher Association

### Activities:

- Parent-Teacher Association and the institute together organize Parents meet every year.
- Updating of Parents network

### Support:

- To convey students performance during academic year to parents.
- To discuss the problems that are faced by students
- To decide the action on students with poor monthly Attendance

### 6.13 Development Programmes for support staff

- Promoting the staff for different courses for skill up-gradation outside the institute.
- Training on revised laboratory work modules.

### 6.14 Initiatives taken by the institution to make the campus eco-friendly

#### 1. No Vehicle Day

Institute reserves first Monday of every month to celebrate 'No Vehicle Day'. On this day; no any student/faculty is permitted to enter by the vehicles. Most preferably the students/faculties use the bicycles on that day. This reduces the pollution as well as it helps to improve the health of the individuals by having the exercise.

#### 2. Rain water harvesting

Institute has harvested the rain water flowing as waste through the slopes of open land. This has helped to increase the water level in nearby area.

#### 3. Tree Plantation

In every year in the month of June, institute conducts the activity of tree plantation with the help of NSS (National Social Service) cell. This helps to protect the environment as well as to develop the environmental awareness in between the students.

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the Functioning of the institution. Give details.

- 1) Conducted International Conference on Innovations and Recent Trends in Engineering (ICIRTE) on 23 March 2018. in which 125 research papers of various researchers/faculties/students from different institutes were published.
- 2) Institute has organized one week FDP on “Outcome base education and national board of accreditation” on 11<sup>th</sup> to 15<sup>th</sup> Nov 2018 for faculties.
- 3) Started ISTE (Indian Society for Technical Education) student chapter on March 2018 to inculcate research culture in faculties.
- 4) Institute has organized “STATE LEVEL PROJECT EXHIBITION” on 9<sup>th</sup> March 2018.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the Beginning of the year

- 1) Institute has planned to organize International Conference on Innovations and Recent Trends in Engineering with at least 100 research papers of various researchers/faculties/students from different institutes.
- 2) Institute has planned to organize “FDP on NBA accreditation” so as to aware the faculties about procedure of NBA accreditation.
- 3) Institute has planned to start technical student chapter to promote research culture among the student in 2017-18.
- 4) Institute has planned SCIENCE EXHIBITION in 2017-18 to inculcate innovative culture among students.



7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

<p><b>i) Best Practice No 1:</b> <b>Title of Practice:</b> Dattak Yojana (Students adaptation Scheme)</p> <p><b>ii) Best Practice No 2:</b> <b>Title of practice:</b> Availing the book bank facility to group of students at free of cost.</p>
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*\*Details are in annexure III (annexure need to be numbered as i, ii, iii)*

7.4 Contribution to environmental awareness / protection

Institute follows 'Non vehicle day' on first Monday of every month as a part of environment awareness.
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7.5 Whether environmental audit was conducted?    Yes     No

7.6 Any other relevant information the institution wishes to add. (For example SWOT Analysis)

**Strengths:**

- Valuable and proficient teaching and learning process through Outcome Based Education(OBE) process with the help of ICT based teaching
- Well equipped laboratories
- Stand alone Library
- Pollution Free Education Environment

**Weakness:**

- Unbalanced cadre ratio
- Students being from rural area needs extra efforts for grooming
- R & D and Consultancy activities

**Opportunity:**

- To undertake quality audit for continual improvement
- Financial support from all competent authority
- Centre of brilliance and Incubation Centers
- Organization of English and foreign language enhancement programs

**Challenges:**

- Deficiency of multi aspect industry in vicinity
- Low awareness towards engineering career
- Less opportunity for Employability
- Scanty Financial Assistance for research

## **8. Plans of institution for next year**

- 1) Institute has planned to deliver the outcome based education more effectively as compared to last academic year. For this purpose institute has already organised an workshop of OBENBA (Outcome Based Education & NBA Accreditation).With the help of these guidelines teaching faculties are trained enough to carry out the practice of outcome based education.
- 2) Institute has planned to sign more number of MOU's with the various industries as well as premium institutes. With the help of this; sharing of expertise and facilities will be focused prominently. This will help to both the students as well as faculties to be in touch with new technologies as well as research methodologies.
- 3) Every year the institute runs the courses offered by IIT with the help of IIT remote centre and NPTEL program. This year; institute will focus to increase the number of courses to be attended by the students. This year institute has planned to have certification of NPTEL courses by more number of students as well as faculties.
- 4) Institute has planned to carry out more number of trainings, workshops and submission of funding proposals so as to have overall upliftment of the institute. All these activities will be carried out with the help of incubation centre.
- 5) From next academic year; the continuous assessment of the teaching faculties will be carried out with the help of weekly report submitted by individual faculties with duly sign of HOD and Principal.
- 6) Institute has planned to encourage more number of faculties to complete their doctorate or at least register for the same.
- 7) Institute has planned to contribute in social activities by arranging the camp in rural area through NSS (National Service Scheme) cell. With the conduction of this camp; various social awareness programs will be conducted with active participation of the student coordinators.

*Name: Mr. Vishal Hingmire*

*Name: Dr. Viddhulata Mohite*

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*Signature of the Coordinator, IQAC*

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*Signature of the Chairperson, IQAC*

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## Annexure I: Academic Calendars

Academic Calendar Year-2017-18 / Term - I		Academic Calendar Year-2017-18 / Term - I	
JUNE		JULY	
Date	Activity	Date	Activity
5	International Environment Day Celebration, Non Vehicle Day & Tree plantation program	3	Non Vehicle Day
8 to 10	ARB & Course File Presentation	7,14,21 & 28	Review of Research & Project Development with Guide
10 & 24	Accreditation Activities	7,14,21 & 28	Academic Monitoring by HoD
12 to 1 July	Avail Book Bank Facility	8 & 22	Accreditation Activities
12 to 24	Industrial Training(SE,TE,BE)	8	<b>Extra Practicals Session/Doubt Solving Session</b>
19 to 24	Industrial Training(SY & TY)	8 & 22	Guest Lecture
24	Statutory Committee Meeting	8 & 22	<b>Online Objective Test &amp; Feedback</b>
24	Swachh Bharat Abhiyan	11	Population Awareness Camp/Extracurricular Activities
26	<b>Commencement of Teaching Term-I (SE, TE, BE, SY, TY)</b>	17	<b>Commencement of Teaching Term-I (FY &amp; FE)</b>
28	CRO & Competitive Exam Cell Meeting	17 to 20	FE & FY Orientation Program along with Parents
29	Sports Club & Cultural /Youth Club Meeting	22	Inter-department Academic Monitoring Visit
30	NSS/NCC & Nature Club Meeting	22	Statutory Committee Meeting
30	<b>Presentation on Industrial Training (SE, TE, BE, SY &amp; TY)</b>	22	Swachh Bharat Abhiyan
30	Submission of Industrial Visit Calendar	22	Academic & R&D Committee Meeting
30	Student Registration on MOODLE	25 to 30	Industrial Visits
		26	CRO & Competitive Exam Cell Meeting
		27	Sports Club & Cultural /Youth Club Meeting
		28	Review of Research & Project Development with R&D
		28	NSS/NCC & Nature Club Meeting

### Academic Calendar Year-2017-18 / Term - I

#### AUGUST

Date	Activity
4, 11 & 18	Review of Research & Project Development with Guide
4, 11 & 18	Academic Monitoring by HoD
7	Non Vehicle Day
9 to 11	<b>First Class Test( SY,TY,SE,TE,BE)</b>
12	<b>Extra Practicals Session/Doubt Solving Session</b>
12 & 26	Accreditation Activities
12 & 26	Online Objective Test & Feedback
12 & 26	Guest Lecture
15	Independence Day Celebration with social activity / Blood donation camp
17	<b>Declaration of First Class Test Result ( SY,TY,SE,TE,BE)</b>
18 to 1 sept	<b>Filling Examination Forms(Second &amp; Third Year Polytechnic)</b>
18	Review of Research & Project Development with R&D
19	<b>Parent-Teacher Meet</b>
25 to 31	Industrial Visits
26	Inter-department Academic Monitoring Visit
26	Statutory Committee Meeting
26	Swachh Bharat Abhiyan
26	Academic & R&D Committee Meeting
30	CRO & Competitive Exam Cell Meeting
30 to 1 Sept	<b>First Class Test(FY,FE)</b>
31	Sports Club & Cultural /Youth Club Meeting
31	NSS/NCC & Nature Club Meeting

### Academic Calendar Year-2017-18 / Term - I

#### SEPTEMBER

Date	Activity
<b>1st Week</b>	<b>First Internal Academic Monitoring Schedule</b>
1,8, 15, 22	Review of Research & Project Development with Guide
1,8,15,22,29	Academic Monitoring by HoD
4	Non Vehicle Day
5	Teacher's Day Celebration
8	<b>Declaration of First Class Test Result (FY,FE)</b>
9	<b>Extra Practicals Session/Doubt Solving Session</b>
9 & 23	Accreditation Activities
9 & 23	Online Objective Test & Feedback
9 & 23	Guest Lecture
11 to 16	<b>Filling Examination Forms(First Year Polytechnic)</b>
15	<b>Engineer's Day Celebration/Technical activity</b>
<b>3rd Week</b>	<b>First External Academic Committee Visit &amp; Submission of Report</b>
22	NSS/NCC & Nature Club Meeting
23	Statutory Committee Meeting
23	Swachh Bharat Abhiyan
23	Inter-department Academic Monitoring Visit
23	Academic & R&D Committee Meeting
25 to 30	Industrial Visits
27	CRO & Competitive Exam Cell Meeting
28	Sports Club & Cultural /Youth Club Meeting
29	Review of Research & Project Development with R&D

### Academic Calendar Year-2017-18 / Term - I

#### OCTOBER

Date	Activity
2	Non Vehicle Day
2 to 5	<b>Extra Practicals Session/Doubt Solving Session</b>
6,13,27	Review of Research & Project Development with Guide
6,13,27	Academic Monitoring by HoD
6 to 10	<b>Internal POE (SY,TY &amp; SE,TE,BE)</b>
11 to 13	<b>Second Class Test(SY,TY &amp; SE,TE,BE)</b>
14	<b>Conclusion of Teaching(SY,TY &amp; SE,TE,BE)</b>
14	Online Objective Test & Feedback
14 & 28	Guest Lecture
14 & 28	Accreditation Activities
16 to 21	Diwali Vacations
23	<b>Declaration of Second Class Test Result ( SY,TY,SE,TE,BE)</b>
23 to 4 Nov	<b>MSBTE Practical Examination(SY &amp; TY)</b>
23 to 4Nov	<b>SUK/DBATU Practical Examination (Tentative)</b>
25	<b>Termwork Verification &amp; Confirmation by HOD (SY,TY &amp; SE,TE,BE)</b>
25 to 27	<b>Second Class Test(FY &amp; FE)</b>
27	Inter-department Academic Monitoring Visit
27	Review of Research & Project Development with R&D
28	<b>Conclusion of Teaching (FY &amp; FE)</b>
30 to 4 Nov	<b>MSBTE Practical Examination(First Year Polytechnic)</b>

NOTE: \* As per GR TEM-2016/No.559/Technical Education-4 ,  
75% Attendance is mandatory to avail scholarship Benefits.  
\* Laptops are allowed during Practical for academic purpose

### Academic Calendar Year-2017-18 / Term - I

#### NOVEMBER

Date	Activity
01	<b>Declaration of Second Class Test Result (FY &amp; FE)</b>
3,10,17,24	Academic Monitoring by HoD
06	Non Vehicle Day
06	<b>Termwork Verification &amp; Confirmation by HOD (FY &amp; FE)</b>
09 to 30	<b>MSBTE Theory Examination (Second &amp; Third Year Polytechnic)</b>
09 to 30	<b>SUK/DBATU Theory Examination (Tentative)</b>
11&25	Accreditation Activities
11&25	Guest Lecture
11to30	<b>MSBTE Theory Examination(First Year Polytechnic)</b>
25	Statutory Committee Meeting
25	Swachh Bharat Abhiyan
25	Inter-department Academic Monitoring Visit

NOTE: \* As per GR TEM-2016/No.559/Technical Education-4 ,  
75% Attendance is mandatory to avail scholarship Benefits.  
\* Laptops are allowed during Practical for academic purpose



### Academic Calendar Year-2017-18 / Term - II

#### DECEMBER

Date	Activity
01	Awareness About AIDS & Health
04	Non Vehicle Day
09 & 23	Accreditation Activities
09 & 23	Guest Lecture
09 & 23	Online Objective Test & Feedback
11	<b>Commencement of Teaching Term-II (Degree &amp; Polytechnic)</b>
11 to 06 Jan	<b>Avail Book Bank Facility</b>
22	Mathematical Olympiads
22	Review of Research & Project Development with R&D
22	NSS/NCC & Nature Club Meeting
23	Inter-department Academic Monitoring Visit
23	Statutory Committee Meeting
23	Swachh Bharat Abhiyan
23	Academic & R&D Committee Meeting
25 to 27	<b>SAWKAR TROPHY 2K18</b>
28 to 29	<b>National Level Technical Program</b>
30 to 31	<b>TARUNAI 2K18</b>
1 Week	Faculty Training on Pedagogy
	National/International conference

### Academic Calendar Year-2017-18 / Term - II

#### JANUARY

Date	Activity
01	Non Vehicle Day
05, 12, 19 & 26	Review of Research & Project Development with Guide
05, 12, 19 & 26	Academic Monitoring by HoD
13	<b>Extra Practicals Session/Doubt Solving Session</b>
13 & 27	Accreditation Activities
13 & 27	Guest Lecture
13 & 27	Online Objective Test & Feedback
22 to 03 Feb	<b>Filling Examination Forms (FY to TY)</b>
24	CRO & Competitive Exam Cell Meeting
25	NSS/NCC & Nature Club Meeting
25	Sports Club & Cultural /Youth Club Meeting
25 to 31	Industrial Visits
26	Review of Research & Project Development with R&D
26	Republic Day Celebration with social activity / Blood donation camp
27	Inter-department Academic Monitoring Visit
27	Statutory Committee Meeting
27	Swachh Bharat Abhiyan
27	Academic & R&D Committee Meeting

### Academic Calendar Year-2017-18 / Term - II

#### FEBRUARY

Date	Activity
1st Week	<b>Second Internal Academic Monitoring Schedule</b>
2,9,16 & 23	Review of Research & Project Development with Guide
2,9,16 & 23	Academic Monitoring by HoD
05	Non Vehicle Day
7 to 09	<b>First Class Test (FY to TY &amp; FE to BE)</b>
10	<b>Extra Practicals Session/Doubt Solving Session</b>
10 & 24	<b>Accreditation Activities</b>
10 & 24	Online Objective Test & Feedback
10 & 24	Guest Lecture
15	Declaration of First Class Test Result
3rd Week	<b>Second External Academic Committee Visit &amp; Submission of Report</b>
17	<b>Parent-Teacher Meet</b>
22	Sports Club & Cultural /Youth Club Meeting
23	Review of Research & Project Development with R&D
23	NSS/NCC & Nature Club Meeting
24	Inter-department Academic Monitoring Visit
24	Statutory Committee Meeting
24	Swachh Bharat Abhiyan
24	Academic & R&D Committee Meeting
24 to 28	Industrial Visits
27	<b>Sir C.V. Raman Award</b>
28	CRO & Competitive Exam Cell Meeting

### Academic Calendar Year-2017-18 / Term - II

#### MARCH

Date	Activity
02,09,16, 23 & 30	Review of Research & Project Development with Guide
02,09,16, 23 & 30	Academic Monitoring by HoD
05	Non Vehicle Day
08	<b>AVANTIKA 2K18 Competition</b>
10	<b>Extra Practicals Session/Doubt Solving Session</b>
10 & 24	Guest Lecture
10 & 24	Online Objective Test & Feedback
10 & 24	Accreditation Activities
15 to 19	<b>Internal POE (FY, SY, TY &amp; FE, SE, TE, BE)</b>
20 to 22	<b>Second Class Test (FY to TY &amp; FE to BE)</b>
24	Inter-department Academic Monitoring Visit
26	Declaration of Second Class Test Result
26 to 05	<b>MSBTE Practical Examination (Polytechnic)</b>
26 to 05	<b>SUK/DBATU Practical Examination (Tentative)</b>
30	Review of Research & Project Development with R&D
30	Termwork Verification & Confirmation by HOD
24	<b>Conclusion of Teaching (Polytechnic &amp; Degree)</b>
24	Statutory Committee Meeting
24	Swachh Bharat Abhiyan

## Academic Calendar Year-2017-18 / Term - II

### APRIL

Date	Activity
02	Non Vehicle Day
06,13,20 & 27	Academic Monitoring by HoD
12 to 09 May	<b>MSBTE Theory Examination (Polytechnic)</b>
12 to 09 May	<b>Shivaji University Theory Examination(Tentative)</b>
14 &28	Accreditation Activities
14 &28	Guest Lecture
28	Inter-department Academic Monitoring Visit
28	Statutory Committee Meeting
28	Swachh Bharat Abhiyan

### MAY

Date	Activity
12 April to 09	<b>MSBTE Theory Examination (Polytechnic)</b>
12 April to 09	<b>SUK/DBATU Practical Examination (Tentative)</b>
07	Health Camp
12 & 26	Guest Lecture
26	Statutory Committee Meeting
26	Swachh Bharat Abhiyan
31	Awareness about Tobacco & It's Effects
1 Week	Faculty Industrial training
	National/International conference

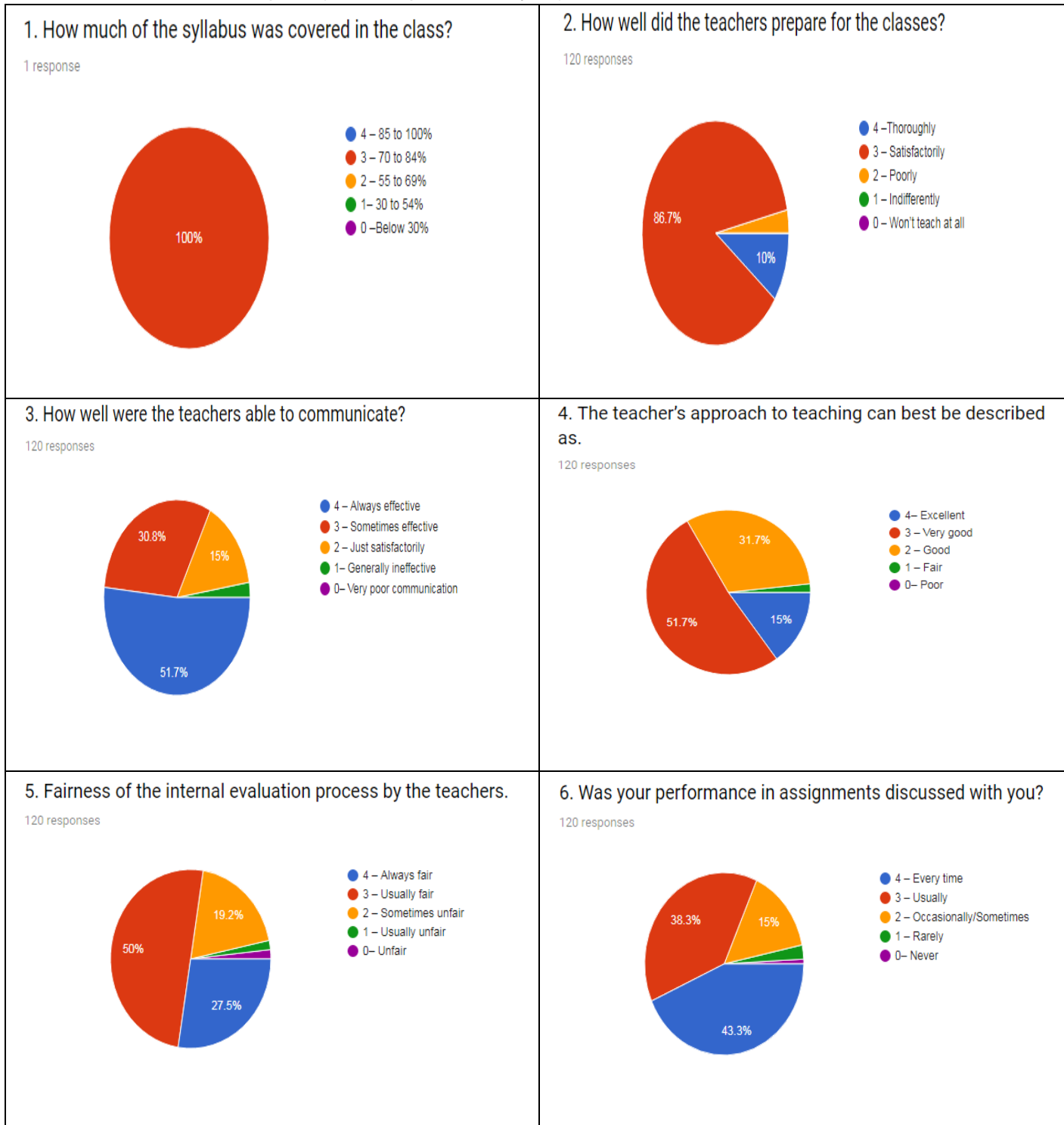
NOTE: \* As per GR TEM-2016/No.559/Technical Education-4 ,  
75% Attendance is mandatory to avail scholarship Benefits.  
\* Laptops are allowed during Practical for academic purpose

## Annexure II: Feedback analysis

The very important aspect of engineering academics is syllabus. Arvind Gavali College of Engineering, Satara being affiliated college to Shivaji University and Dr. Babasaheb Ambedkar technological University (First Year only).

The feedback regarding syllabus was collected from all branches of engineering students and alumni of the institute. The feedback was also collected from other stakeholder viz. employer and parents.

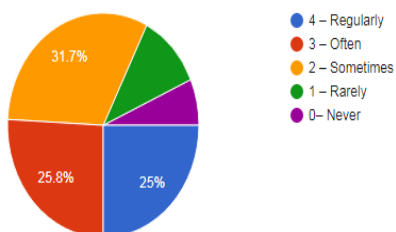
### The Student feedback Report. (120 Response Analysis)





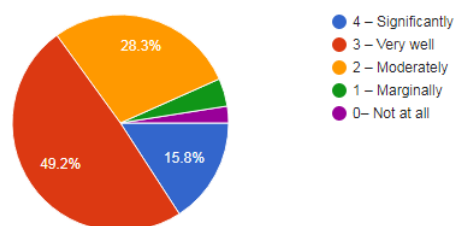
7. The institute takes active interest in promoting internship, student exchange, field visit opportunities for students.

120 responses



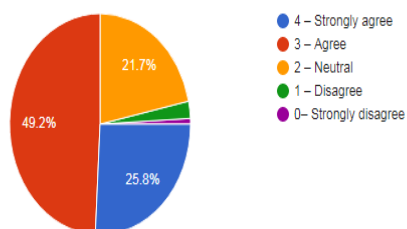
8. The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.

120 responses



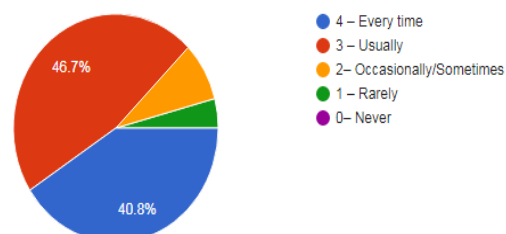
9. The institution provides multiple opportunities to learn and grow.

120 responses



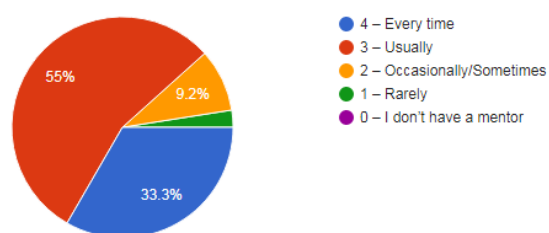
10. Teachers inform you about your expected competencies, course outcomes and programme outcomes.

120 responses



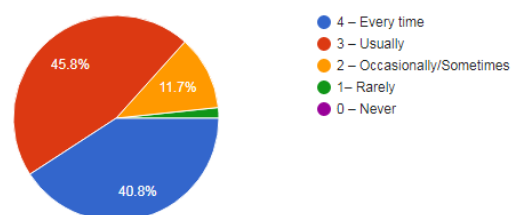
11. Your mentor does a necessary follow-up with an assigned task to you.

120 responses



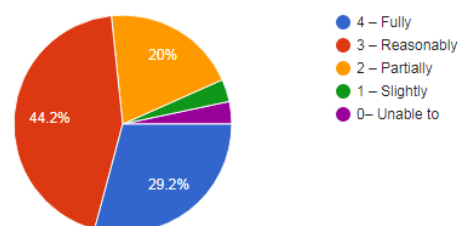
12. The teachers illustrate the concepts through examples and applications.

120 responses



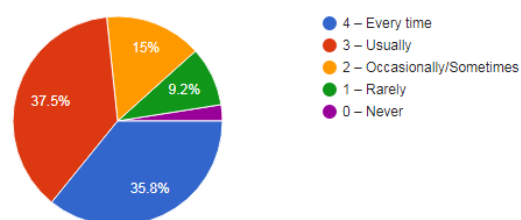
13. The teachers identify your strengths and encourage you with providing right level of challenges.

120 responses



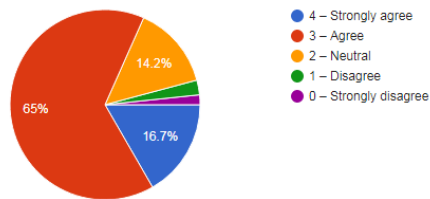
14. Teachers are able to identify your weaknesses and help you to overcome them.

120 responses



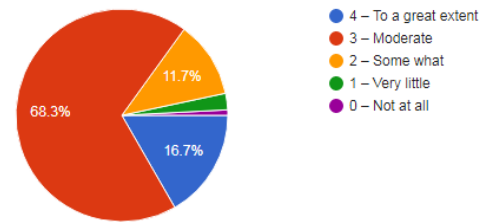
15. The institution makes effort to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.

120 responses



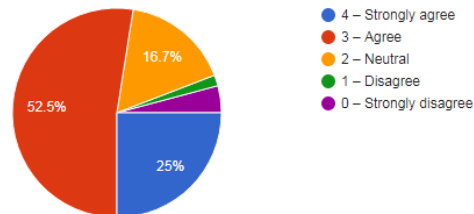
16. The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences.

120 responses



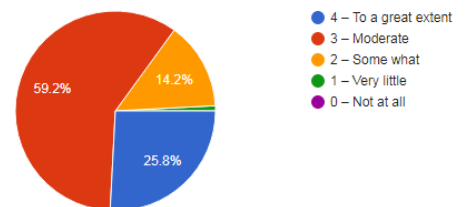
17. Teachers encourage you to participate in extracurricular activities.

120 responses



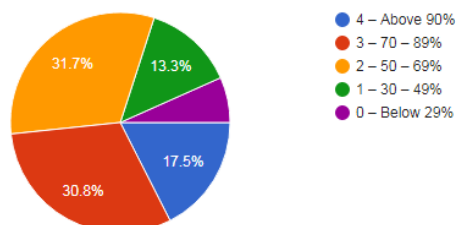
18. Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.

120 responses



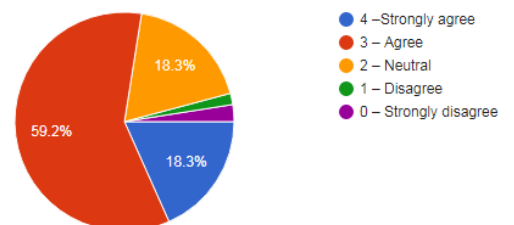
19. What percentage of teachers use ICT tools such as LCD projector, Multimedia, etc. while teaching.

120 responses



20. The overall quality of teaching-learning process in your institute is very good.

120 responses



## Annexure III: Best Practices

### i) Best Practice No 1:

- 1) **Title of Practice:** Dattak Yojana (Students adaptation Scheme)
- 2) **Goal:** To promote the students from rural background having poor economical background to take higher education.
- 3) **The Context:** The corresponding financial support scheme has started on the name of 'Late Kondiram Gavali'. The main motto for starting this scheme was 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.
- 4) **The Practice:** Every year institute issues the Dattak forms to the interested students which are from poor family background. The institute scrutinizes the Dattak forms and selects the appropriate students for facilitating the Dattak Yojana.
- 5) **Evidence of success:** The students who have admitted through this scheme are taking technical education irrespective of their poor family background.
- 6) **Problems encountered and resources required:** For offering the Dattak Yojana, institute has to suffer from the financial loss occurred due to weaving of education fees.
- 7) **Future plans:** Institute is planning to accommodate more number of students under Dattak yojana.

### ii) Best Practice No 2:

- 1) **Title of practice:** Availing the book bank facility to group of students at free of cost.
- 2) **Goal:** The main goal is to avail the set of reference books to all the students in the institute which are applying for this facility.
- 3) **The Context:** In normal practice; book bank facility is given to backward category students by charging some amount. But AGCE avails this facility at totally free of cost to all the students of the institute irrespective of his caste category. Due to this; students who are from poor economical background get benefitted.
- 4) **The practice:** The book bank facility is given to a group of students. A set containing books of all subjects is given to group of 5 students at the start of semester. It is then taken back by the library at the end of semester. For availing this facility; the corresponding group of students has to collect the book bank form from the library which consists of details of every student from the group along with details of respective GFM (Guardian Faculty Member) of these students. Later on; this set of books is transferred to corresponding GFM (Guardian Faculty Member) and lastly respective GFM distributes these sets to his student groups.
- 5) **Evidence of success:** During this academic year; all the students who have applied for book bank facility are benefitted.
- 6) **Problems encountered and recourses required:** Due to multiple uses of the books by the group of the students; the maintenance of the books becomes a major issue.
- 7) **Future plans:** Institute is planning to increase the number of books in the book bank to be issued to the group of students.