

Annual Quality Assurance Report (AQAR)

(2017-18)

Submitted To



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)

Nagarbhavi, Bangalore – 560 072.

By



Internal Quality Assurance Cell (IQAC)

Bharati Vidyapeeth's College of Engineering, Kolhapur

Near Chitranagari, Kolhapur-416013

Maharashtra

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The Annual Quality Assurance Report (AQAR)

Part – A

The Annual Quality Assurance Report (AQAR) of the IQAC

(July 2017 to June 30, 2018)

Part – A

1. Details of the Institution

1.1 Name of the Institution

Bharati Vidyapeeth's College of Engineering, Kolhapur

1.2 Address Line 1

Near Chitranagari

Address Line 2

Morewadi

City/Town

Kolhapur

State

Maharashtra

Pin Code

416013

Institution e-mail address

coekolhapur@bharativedyapeeth.edu

Contact Nos.

0231-2638893/94

Name of the Head of the Institution:

Dr. Vijay R. Ghorpade

Tel. No. with STD Code:

0231-2638893/94

Mobile:

9657177171

Name of the IQAC Co-ordinator:

Dr. Jayamala K. Patil

Mobile:

9850032933

IQAC e-mail address:

iqac.bvcoek@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879)

MHCOGN27286

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)/28/A&A/206.1 dated 30-10-2017

1.5 Website address:

<http://coekolhapur.bharativedyapeeth.edu>

Web-link of the AQAR:

<http://coekolhapur.bharativedyapeeth.edu/media/pdf/AQAR2017-18.pdf>

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.04	2017	2022
2	2 nd Cycle	-	-	-	-
3	3 rd Cycle	-	-	-	-
4	4 th Cycle	-	-	-	-

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

24/06/2013

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 ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- AQAR 2017-18 submitted to NAAC on 16-10-2018
- AQAR _____ (DD/MM/YYYY)
- AQAR _____ (DD/MM/YYYY)
- AQAR _____ (DD/MM/YYYY)

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 ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

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

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)

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

Shivaji University, Kolhapur

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etcAutonomy by State/Central Govt. / University

University with Potential for Excellence

UGC-CPE

DST Star Scheme

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities**2.1 No. of Teachers**

06

2.2 No. of Administrative/Technical staff

03

2.3 No. of students

02

2.4 No. of Management representatives

01

2.5 No. of Alumni

01

2.6 No. of any other stakeholder and

01

Community representatives**2.7 No. of Employers/ Industrialists**

-

2.8 No. of other External Experts

-

2.9 Total No. of members

14

2.10 No. of IQAC meetings held

04

2.11 No. of meetings with various stakeholders: No. Faculty Non-Teaching Staff Students Alumni Others **2.12 Has IQAC received any funding from UGC during the year?** ☐ Yes ☒ NoIf 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

1. NBA Preparation: Course file and Bloom's Taxonomy
2. Two days workshop on 'Intellectual Property Right and Research Grants'
3. National Conference on 'Recent Trends In Engineering And Technology'

2.14 Significant Activities and contributions made by IQAC

- Organization of workshops and faculty development programs.
- Encouraged departments to organize Quality seminars/workshops / Technical activities for students.
- Academic audits for academic excellence.
- Student feedback.

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
Organization of National Conference	National Conference on 'Emerging Trends in Engineering and Technology' is organised for UG, PG students and research scholars to inculcate the research interest among the participants. A proceeding is published by A.R. Research Publication with ISBN: 978-93-87793-03-3.
Organization of workshops /seminars/ visits for students	<p>Computer Science and Engineering:</p> <ul style="list-style-type: none"> • Two days National level workshop cum championship on 'Big Data & Hadoop' • 3 Days workshop and Microsoft Certification on 'Network Security' • Seminar on ' Database with ADO.Net' <p>Electronics and Telecommunication Engineering:</p> <ul style="list-style-type: none"> • One day workshop on 'Radio frequency and antenna synthesis' • Two days workshop on ' Arduino based Design and Applications' • Industrial visit at 'All India radio, Kolhapur' <p>Mechanical Engineering:</p> <ul style="list-style-type: none"> • Seminar on 'Opportunities of Research and Higher studies in foreign countries' • Seminar on 'Piping design & engineering' • Workshop on 'ANSYS Software' • Workshop on '3D Printing Technology' <p>Training and Placement:</p> <ul style="list-style-type: none"> • Software Development Center • Campus Recruitment Training Programs
Organization of workshops for Faculty	<ul style="list-style-type: none"> • Civil Engineering: Two days FDP on 'Application of GIS and Remote sensing technology using QGIS' • Electronics and Telecommunication Engineering :STTP on 'Computer Vision

	Application with open CV' <ul style="list-style-type: none"> • Mechanical Engineering: Faculty development program on 'ANSYS Software' • Research and Development : Two days workshop on 'Intellectual Property Right and Research Grants'
Organization of technical activities for students	<ul style="list-style-type: none"> • Technical event 'Technospark 2K18' • Environmental Awareness- Poster and Model Exhibition • Techno Bharati 2k18- Poster Competition

** Academic Calendar of the year is enclosed in Annexure-i.*

2.16 Whether the AQAR was placed in statutory body ☒ Yes ☐ No

Management ☒ Syndicate ☐ Any other body ☐

Provide the details of the action taken

AQAR was placed and discussed in the meeting of Board of Management.

The Annual Quality Assurance Report (AQAR)

Part – B

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	-	-	-	-
PG	03	-	03	-
UG	04	-	04	07
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	09
Total	07	-	07	16

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: Core & Elective option

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	All UG and PG programmes are of Semester pattern
Trimester	-
Annual	-

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

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

**The Feedback with respect to Students, Parents and Employers are enclosed in Annexure-ii*

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

The revision of syllabus is done at University level

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

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
43	40	02	01	-

2.2 No. of permanent faculty with Ph.D. 03

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
37	17	02	09	01	05	02	-	42	29

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	39
---	---	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	-	23	-
Presented papers	26	71	-
Resource Persons	-	-	16

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

- Arranging seminars and workshops by industry experts
- Cooperative learning, outcome based Teaching and learning, NPTEL, Value added courses, Webinars
- Participative Learning, Project Based Learning, ICT

2.7 Total No. of actual teaching days during this academic year 180 Days

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

- Mid Term & End Term Test
- Surprise Test is being taken

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

Nil	Nil	Nil
-----	-----	-----

2.10 Average percentage of attendance of students:

75.25

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
CSE	73	86.30	4.11	0.00	-	90.41
E&TC	131	17.55	57.25	9.92	-	84.73
MECH	144	27.08	53.47	14.58	-	100
CIVIL	74	37.84	37.84	2.70	-	78.38

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

1. Feedback is taken from students twice in a semester & corrective actions are taken accordingly.
2. Every faculty member maintains course file of their respective subject.
3. Regular audit of checking Academic Diaries, Course Files & Lab Manuals is conducted.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	02
UGC – Faculty Improvement Programme	02
HRD programmes	-
Orientation programmes	01

Faculty exchange programme	-
Staff training conducted by the university	17
Staff training conducted by other institutions	12
Summer / Winter schools, Workshops, etc.	20
Others	04

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	64	-	-	-
Technical Staff	24	-	-	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in sensitizing/promoting research climate in the institution

- Publication of conference research papers through joint research publications.
- Setting-up “Research Committee” for sensitizing thrust areas.
- Faculty members are motivated by providing financial assistance to attend conferences, STTP, Workshops, and Seminar etc.
- Encouraging faculty members to participate in research symposiums and workshops in advanced topic of research.
- Organized research workshops for faculty members to encouragement towards filing patents and research proposals.
- “Best Research Paper Award” for the paper publications by the students in National conference.

3.2 Details regarding major projects

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

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	-	-	-
Outlay in Rs. Lakhs	0.18	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	113	--	--
Non-Peer Review Journals	---	---	--
e-Journals	113	--	--
Conference proceedings	--	67	--

3.5 Details on Impact factor of publications:

Range 1-4.364 Average 2.5 h-index 1-7 Nos. in SCOPUS 0

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	1 Year	Lead College Shivaji University Kolhapur	10,000	10,000
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	1 Year	Bharati Vidyapeeth's College of Engg., Kolhapur	8,800	8,800
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
Total			18,800	18,800

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)

* Lead College Shivaji University, Kolhapur and Bharati Vidyapeeth's College of Engg., Kolhapur

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution:

Level	International	National	State	University	College
Number	--	01	--	--	--
Sponsoring agencies		Self financed			

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:

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	--
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

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
02	-	02	-	-	-	-

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

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level

National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>
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3.22 No. of students participated in NCC events:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.23 No. of Awards won in NSS:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="-"/>	College forum	<input type="text" value="-"/>
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="06"/>
		Any other	<input type="text" value="-"/>

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

- NSS cell of college organised Seven days residential camp at Mouje Sangaon and conducted activities such as cleanliness , Health camp, Village Survey, Career guidance and skill development program.
- Van Mahostava & Tree Plantation on 05/07/2017 at Bharati Vidyapeeth's College of Engineering, Kolhapur Campus by Regional Director Hon. Dr. H. M. Kadam, Principal Dr. V. R. Ghorpade, NSS Co-ordinator & NSS Students.
- Distributed Note book to village school children on occasion of Birthday of founder Hon. Dr. Patangraoji Kadam.

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	10 Acres	---	Self	10 Acres
Class rooms	39	----	Self	39
Laboratories	53	----	Self	53
Seminar Halls	07	----	Self	07
Tutorial room	12	--	Self	12
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	22	1	Self	23
Value of the equipment purchased during the year (Rs. in Lakhs)	4,72,52,466	71,45,549	Self	5,43,98,015

4.2 Computerization of administration and library

- RFID cum Bar-coded Identity card to the users.
- OPAC Book Search facility with ample user interfaces.
- DELNET Service.
- Well maintained Digital Library equipped with 15 computers.
- Issue of Educational CD/DVD's to the needy people.
- Accounting softwares, bill-payment softwares have been developed and installed as part of computerization of administration.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	20252	58,67,909/-	1654	8,17,639/-	21906	66,85,548/-
Reference Books	1723	7,94,755/-	27	20,250/-	1750	8,15,005/-
e-Books	816	19,470/-	816 (Delnet e-lib.)	13,570/-	816	33,040/-
Journals	50	1,04,139/-	54	1,44,154/-	104	2,47,663/-
e-Journals	275	6,71,735/-	482	11,06,249/-	757	17,77,984/-
CD	677	-	25	-	702	-
Video	8455	66,000/-	8455	66,000/-	8455	66,000/-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart -ments	Others
Existing	513	22	10mbps	02	01	20	45	-
Added	79	---	100mbps	---	---	---	--	-
Total	592	22	100mbps	02	01	20	45	-

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

Sr. No.	Name of the Programme	Duration	No. of Beneficiaries
1	Workshop on 3-D Printing Technology	22-23 Feb.,2018, 02 days	40
2	Workshop on ANSYS software	20-21 Feb.,2018, 02 days	40
3	Microsoft certification on Network Security	23-25 Feb.,2018, 03 days	92
4	National Level Workshop on Big Data and Hadoop	15-16 Feb.,2018, 02 days	33
5	Ardumo based Design and Application	01-02 Feb.,2018, 02 days	43
6	Antenna Synthesis Workhop	03-04 Feb.,2018, 02 days	15
7	Workshop on QGIS	26-27 Dec.,2017, 02 days	54

4.6 Amount spent on maintenance in lakhs :

i) ICT	26, 48,838
ii) Campus Infrastructure and facilities	3, 09,727
iii) Equipments	2, 39,784
iv) Others	43, 53,498

Total : 75, 51,847/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Students are encouraged to participate in various Seminars, Symposiums, Workshops and Conferences.
- Awareness programs about GATE, GRE are conducted to update student's knowledge about the higher studies in India and abroad.
- Orientation seminars are conducted for the students on various competitive civil service examinations by engaging outside experts.
- Encourage students of UG/PG to publish project outcomes in conference proceedings and journals.
- “Best Research Paper Award” for the paper publication by the students in National Conference.
- Campus is wi-fi enabled.
- Mentors are allocated for each batch of 20 students has a face to face interaction with individual student.
- Moodle is used to provide the course material as intranet resources.
- Remedial classes are organized to improve performance of students
- Industrial Visits are organized to impart practical knowledge to students

5.2 Efforts made by the institution for tracking the progression

- Constant Feedbacks are collected from students regarding teaching staff & their views are considered and suitable steps are taken to promote and develop the teaching style.
- Parents Teachers meet are held to inform the parents regarding the progression of the students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1294	25	-	-

(b) No. of students outside the state

9

(c) No. of international students

-

No	%
913	69.22

Men

No	%
406	30.78

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1001	168	3	267	01	1440	867	139	01	198	01	1206

Demand ratio 40.90 %

Dropout % 7.40

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

Sr. No.	Name of Seminar / Workshop/ Particulars	Date	Target Audience	Resource Person / Institute	Remark/Skill Developed
1	Careers in UPSC	10/8/2017	B.E.-All	UPSC Director	Competitive Exam Preparation
2	Seminar on "GATE Preparation "	25/07/2017	BECSE	Mr. S. B. Patil	Improved Performance in GATE Exam
3	GATE Cell Formed in Mechanical Dept	-	BE MECH	Mr. P. D. Rajigare	Improved Performance in GATE Exam
4	GATE Test Series	20/07/2017 27/07/2017 10/08/2018	TE and BE Civil	Mr. A. M. Jadhav	Improved Performance in GATE Exam
5	GATE awareness and preparation for GATE exam	24/02/2018	SE and TE Civil	Mr. Arif Khan M.Tech (IIT Kharagpur)	Improved Performance in GATE Exam

No. of students beneficiaries

425

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	-	CAT	-
IAS/IPS etc	-	State PSC	01	UPSC	-	Others	-

5.6 Details of student counselling and career guidance

Sr. No.	Name of Seminar / Workshop/ Particulars	Date	Target Audience	Resource Person /Institute	Remark/Skill Developed
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1	Careers in UPSC	10/8/2017	B.E.	UPSC Director	Competitive Exam Preparation
2	AptTech Training	26/12/2018 to 27/12/2017	B.E.	Mr.Sanir Kittur	Aptitude Preparation
3	Lead College F.E. Training	16/1/2018	F.E.	Mr.Amit Prabhu-Campus for you	Soft skill Training
4	Research in USA	17/1/2018	B.E/M.E/ students and all Faculty	Dr.Sachin Shendokar	Foreign Education
5	Lead College T.E. Training	17/1/2018 to 18/1/2018	T.E.	O2 Breathing Brains	Campus Recruitment Training
6	Preparation of GD/PI	7/3/2018	B.E.	Dr. Mrs. S. A. Memon	Interview Techniques
7	Campus Awareness Training	19/3/2018 to 20/3/2018	B.E.-CSE/ ETC/ETX	Mr.Sanir Kittur	Campus Placement Awareness

No. of students benefitted

403

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
37	225	96	6

5.8 Details of gender sensitization programmes

Sr. No.	Name of Event	Resource Person	Date
1	Introductory seminar for Newly Admitted students : Objective and working of Internal Complaints Committee(ICC)	Mrs. SadhanaZadbuke Director, Savendana, Kolhapur	9 th Sept. 2017

2	Seminar on 'Women Empowerment' on occasion of International Women Day	Dr. Anima Dahibhate Senior Faculty, Art of Living, Kolhapur	8 th March 2018
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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	53	8,25,910/-
Financial support from government	1134	5,19,46,637/-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / 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: 01

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To be recognized as leaders in engineering education and explore innovative learning opportunities for application of knowledge to benefit society.

Mission

- To be amongst one of the premier Institute of Engineering.
- To prepare students for professional career and advance studies in the field of Engineering.
- To impart quality education and disseminate global issue to students for serving the society.
- To create a technological savvy campus and provide industry centric education.

6.2 Does the Institution has a management Information System

Yes. Across various departments MIS is implemented for the smooth conduction of activities. Some of the activity heads are maintained through MIS as mentioned below:

1. Academic excellence through moodle at departments.
2. Administration through ERP.
3. Finance and Account through ERP and Tally.
4. Student Admission and Support through ERP.
5. Library & information science (through- OPAC).

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

6.3.1 Curriculum Development

As the institute is affiliated to Shivaji University, the curriculum development at institute level is not permitted. But many of the teaching faculties are involved in the process of syllabus formation and revision at various levels of academics. Also some of the teaching faculties work as Board of Studies chairman at university level which helps to value adds to the curriculum aspects from institute end to improve curriculum development.

6.3.2 Teaching and Learning

- To provide quality education to the students, management collects information about different aspects for smooth functioning of the college and it is involved in efficient transaction of teaching learning process.
- Feedbacks are taken from alumni, parents and stakeholders for performance assessment.
- After every semester result analysis is done.
- Before the start of each semester faculties are allotted a course of their interest and they are advised to prepare course file that includes lesson plan, syllabus, old question papers, hand written notes, ICT materials etc and also the audits are run regarding this to check the execution of the same.
- Teachers are encouraged to eLearning courses like NPTEL and the institute maintain most of the copies of IIT-NPTEL video lectures at each departments.
- Different type of academic course training is conducted by each department.
- Many faculties have successfully participated in the training programs.

6.3.3 Examination and Evaluation

- Continuous internal evaluation process for Term work/ Lab work.
- Structured procedure is set for the internal assessment. The procedure of assessment is conveyed to all the students at the beginning of the semester. Continuous assessment is done throughout the semester with respect to defined parameters.
- Midterm class test conducted for internal assessment.
- Final Theory examination (off line) is conducted by University.
- Online examination is introduced for Computer Science Branch by the University.
- Secured Remote Paper distribution System (SRPD) is introduced by University for avoiding mal practices or mis-functioning of examination.

6.3.4 Research and Development

- Research and Development is an integral part of our institute. Institute has a actively working research committee that monitors the development aspects in research areas at all departments.
- Financial assistance to faculties for attending seminars, training programme, faculty development program and staff development program.

- Financial assistance to faculties for publishing papers in conferences and journals also for patent filing.
- The faculties as well as students are encouraged for research work in addition to their regular work.
- In the past few years a good number of our faculties have completed their M.E./M.Tech. And many of the faculties are registered for Ph.D. program.
- Other research activities of the departments include presentation and publication of research papers in seminars, conferences and journals to take different project works.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- College development committee is actively involved in all the policies and decisions being taken regarding development of library.
- A well developed procedure is followed for purchasing of books, journals, periodicals e-journals etc.
- AICTE recommended e-journals are procured and made available.
- Students and staff members have open access to Library and also can access the availability of books through Web-OPAC.
- NPTEL database is also available at the library for reference.
- All the library works and activities are integrated and administered smoothly by using OPAC software. Use of OPAC software has made the library fully automated.
- Personality Development and Career Advancement Books, inspirational volumes, books for competitive exams that include GATE books to enrich the stack.
- The entire library is under CCTV surveillance. This gives an added security advantage.
- LCD projectors, multimedia system, YouTube videos, NPTEL video lectures are made available to students.

6.3.6 Human Resource Management

- Faculty retention is ensured through conducive work environment
 - Support for Higher studies
 - Increments / promotions
 - Encouragement for research publications

- Service Book is maintained for every recruited staff .Service rules are made transparent.

6.3.7 Faculty and Staff recruitment

- Advertisement is given in leading newspapers for requirement of well qualified faculty and staff.
- Staff selection committee appointed by University recruits the Faculty and Staff. Recruitment process is carried out following the prevailing norms.

6.3.8 Industry Interaction / Collaboration

- To build strong connect with Industries through various activities like final year sponsored projects.
- To enhance industry collaborated research environment TE students are made compulsory to do industrial training for a minimum of 2 weeks.
- To provide guidance for career opportunities to students through Industry and Professional interaction

6.3.9 Admission of Students

- Online centralized Admission process set by the Govt. of Maharashtra, Directorate of Technical Education is followed and admissions are given as per the prevailing rules set by competent authorities
- At college level admission enrolment is done through ERP.
- Student's unique Id-PRN number is generated through ERP which is used to maintain the record of student

6.4 Welfare schemes for

Teaching	<p>The Welfare facilities for the Teachers:</p> <ul style="list-style-type: none"> • Provident fund, gratuity, concession in fees for children of employees. • Medical leave. • For woman employee maternity leave of full 6 months. • Deputation of faculty members for PG and Ph.D. Program during their Course work • On duty facilities and financial support for presenting research papers and for attending Conferences and Seminars.
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	<ul style="list-style-type: none"> • Preferential selection on higher level post after acquiring desired qualifications.
Non teaching	<ul style="list-style-type: none"> • Provident fund, gratuity, group insurance facility. • Uniform (two sets every year) • Internal promotion to higher post after acquiring qualification and depending on availability of higher post. • Deputation for programs such as computer maintenance workshop. • Earned leave and medical leave. • For woman employee maternity leave of full 6 months.
Students	<ul style="list-style-type: none"> • Personality/Girls Empowerment Development. • Special Guidance Scheme. • Scholarship • Fee concession

6.5 Total corpus fund generated

Rs. 56,50,000/-

6.6 Whether annual financial audit has been done

Yes ☒

No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Local Inquiry Committee	Yes	IQAC
Administrative	Yes	<ul style="list-style-type: none"> • Local Inquiry Committee • NAAC • V. A. Dudhediya CA Audit 	Yes	IQAC

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

For UG Programmes

Yes ☐

No ☒

For PG Programmes

Yes ☐

No ☒

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

- Online examination is introduced for Computer Science Branch by the University.
- Secured Remote Paper distribution System (SRPD) is introduced by University for avoiding mal practices or mis-functioning of examination.

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

- University promotes the affiliated colleges to go for autonomy.
- Affiliated colleges have to prove their abilities by adhering to certain rules and requirements laid down by the University for becoming an autonomous college.
- University audits the concerned college to check the eligibility for giving autonomy.
- University also promotes permanent affiliation for its constituent colleges.

6.11 Activities and support from the Alumni Association

- College has registered Alumni Association. Every year alumni are invited for meetings and are made aware of the latest development and achievements of the college.
- Providing financial support to cultural students.
- Guidance to cultural group.
- Technical guidance and expertise to students by guest lectures.
- Training programs and guest lectures for the students

6.12 Activities and support from the Parent – Teacher Association

There is a actively performing Parent – Teacher Association in the institute. Each department is having a coordinator for carrying out programmes under Parent – Teacher Association.

6.13 Development programmes for support staff.

- The institute encourages the support staff to participate in various technical workshops.
- The support staff are promoted to attend University level workshops viz.; SRPD workshop, Choice based credit system.

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

- Solar energy utilization at hostels using solar panels.
- Encouraging paperless communication by using emails and whatsapp groups.
- Plantation and nurturing of trees. Eco friendly green campus and also eco friendly parking is in place.
- Saving electricity wherever and whenever possible.
- Optimal/minimal use of air conditioners.
- No vehicle day once in a year

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. GATE seminar
2. Student data collection using Google forms by TPO office.
3. ERP system in office.
4. Moodle Server
5. Training in Soft skill Program for students
6. Value added Training Program for students

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

Sr. No	Plan of Action	Achievements
01	Organization of National Conference	National Conference on Recent Trends In Engineering And Technology is organised for UG, PG students and research scholars to inculcate the research interest among the participants.
02	Organization of workshops /seminars for students	Computer Science and Engineering: <ul style="list-style-type: none">• Two days National level workshop cum championship on ‘Big Data & Hadoop’• 3 Days workshop and Microsoft Certification on ‘Network Security’• Seminar on ‘ Database with ADO.Net’ Electronics and Telecommunication Engineering: <ul style="list-style-type: none">• One day workshop on ‘Radio frequency and antenna synthesis’• Two days workshop on ‘Arduino based Design and Applications’

		Mechanical Engineering: <ul style="list-style-type: none"> • Seminar on ‘Opportunities of Research and Higher studies in foreign countries’ • Seminar on ‘Piping design & engineering’ • Workshop on ‘ANSYS Software’ • Workshop on ‘3D Printing Technology’ General Engineering <ul style="list-style-type: none"> • Seminar On National Science Day Training and Placement: <ul style="list-style-type: none"> • Software Development Center. • Campus Recruitment Training Programs.
03	Organization of technical activities for students	<ul style="list-style-type: none"> • Technical event ‘Techno Bharati 2K18’ • Environmental Awareness- Poster and Model Exhibition

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

1. Academics monitoring system
2. Web page for Engineering Graphics

** Details are provided in Annexure-iii*

7.4 Contribution to environmental awareness / protection

1. Inter college Poster competition for First Year Engineering students held on 9th March 2018 for Environmental Awareness on the occasion of Techno Bharti 2K18.
2. Environmental awareness Poster and Model exhibition on the occasion of World Water Day for all Second Year Engineering students held on 23rd March 2018.
3. Encouraging paperless communication by using emails and whatsapp’s.
4. Awareness was created towards wastage of water and electricity.
5. Swachata Abhiyan

7.5 Whether environmental audit was conducted?

No

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

Strengths:

- Excellent Infrastructure.
- Well Equipped, furnished library with rich collection of reference books publication and journal.
- Good combination of young, experienced and qualified teaching faculty.

Weakness:

- Lack of departmental collaborations with the industries.
- Input quality of first year students is poor.
- The numbers of students studying engineering have declined in recent years.

Opportunities:

- Developing research culture amongst student and teaching staff.
- Promoting environmental sustainability and increasing environmental awareness.
- Inculcating human ethics, values and discipline in students.

Threats:

- Rural back-ground students have fear about English Language.
- Challenges related to Entrepreneurship development.

8. Plans of institution for next year

- To starts research centre.
- To increase first year students result.
- Improving the placement opportunities by improving student Technical skills

 Dr. Jayamala K. Patil Coordinator, IQAC	 Dr. Vijay R. Ghorpade Chairperson, IQAC
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The Annual Quality Assurance Report (AQAR)

Annexure

Annexure i: Academic Calendar



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Academic Calendar 2017-18 Sem-I

-Week No	Month	Week Days							Events
		MON	TUE	WED	THU	FRI	SAT	SUN	
-	June (16)				1	2	3	4	12: Term commencement 26:RamdanEid
-		5	6	7	8	9	10	11	
1		12	13	14	15	16	17	18	
2		19	20	21	22	23	24	25	
3		26	27	28	29	30			
4	July (26)						1	2	14: First month attendance display
5		3	4	5	6	7	8	9	
6		10	11	12	13	14	15	16	
7		17	18	19	20	21	22	23	
8		24	25	26	27	28	29	30	
9		31							
10	August (24)		1	2	3	4	5	6	3-5: Unit test-I
11		7	8	9	10	11	12	13	9: Display result of Unit test-I
12		14	15	16	17	18	19	20	14:Second month attendance display
13		21	22	23	24	25	26	27	15:Independence day 17:Parsi New year
14		28	29	30	31				25: Ganesh Chaturthi
15	Sept (23)					1	2	3	2:BakriEid
16		4	5	6	7	8	9	10	5:AnantChaturdashi
17		11	12	13	14	15	16	17	16:Third month attendance display
18		18	19	20	21	22	23	24	20: Feedback 21-23: Unit test-II
19		25	26	27	28	29	30	1	25-28:Termwork 30:Vijayadashami
20	Oct (11)							1	2: Gandhi Jayanti 3-14: University POE
21		2	3	4	5	6	7	8	
22		9	10	11	12	13	14	15	
<ul style="list-style-type: none">• Meeting with Regional Director on every Tuesday• HOD Meeting on every Wednesday at 3:00pm• Monthly Students counseling by department committee in first week of every month• College will remain closed on every Sunday									
Term Commencement		No Working days		No Teaching days		Practical oral Examinations		Academic Term end	
12 th June 2017		100		89		October		27 th November	
Term Start and Last working day		Holidays				Academic Activity			

Dr.V.R.Ghorpade

Principal

Co-Curricular Activities SEM-I

Sr. No.	Activity	Date	Organizer
1	International Yoga day	21 st June	NSS
2	Seminar on "Guidelines for project selection."	1 st week of July	All Departments
3	Tree Plantation	5 th July	NSS
4	Seminar on "GATE awareness"	4 th week of July	ETX Department
5	Workshop on Industry Institute Interaction for T.E, B.E students of all departments.	1 st week of Aug	All Department
6	Training program on 'Campus Recruitment'	2 nd week of Aug	TPO
7	Social Activity	2 nd week of Aug	MECH Department
8	First Year Stud. "FRESHERS WELCOME"	3 rd week of Aug	FE Department
9	Patent filing awareness program	4 th week of Aug	E&TC Department
10	Teachers Day Function	5 th Sept	CSE Departments
11	Seminar on "Personality Development"	2 nd week of Sept	F.E Department
12	Engineers day celebration	15 th Sept	Civil Department
13	Technical seminar	3 rd week of Sept	All Department




Dr.V.R.Ghorpade

Principal




BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR
Academic Calendar 2017-18 Sem-II

Week No	Month	Week Days							Events
		MON	TUE	WED	THU	FRI	SAT	SUN	
-	Dec (11)					1	2	3	18: Term Commencement 25: Christmas
-		4	5	6	7	8	9	10	
1		11	12	13	14	15	16	17	
2		18	19	20	21	22	23	24	
3		25	26	27	28	29	30	31	
4	Jan (26)	1	2	3	4	5	6	7	20:First month attendance display 26: Republic day
5		8	9	10	11	12	13	14	
6		15	16	17	18	19	20	21	
7		22	23	24	25	26	27	28	
8		29	30	31					
10	Feb (22)				1	2	3	4	3: Formative Feedback 8-10: Unit test-I 10: Parents meet 13: Mahashivratri 14: Display result of Unit test-I 19: Chh. Shivaji Maharaj Jayanti 20: Second month attendance display
11		5	6	7	8	9	10	11	
12		12	13	14	15	16	17	18	
13		19	20	21	22	23	24	25	
14		26	27	28					
15	March (26)				1	2	3	4	1: Holi 17: Summative Feedback 30: Third month attendance display
16		5	6	7	8	9	10	11	
17		12	13	14	15	16	17	18	
18		19	20	21	22	23	24	25	
19		26	27	28	29	30	31		
20	Apr (06)							1	2-4: Unit test-II 5-7:Termwork 7: Display result of Unit test-II
		2	3	4	5	6	7	8	
<ul style="list-style-type: none">Meeting with Regional Director on every TuesdayHOD Meeting on every Wednesday at 3:00pmMonthly Students counseling by department committee in first week of every monthCollege will remain closed on every Sunday									
Term Commencement		Last Working day			Practical oral Examinations			Theory Examinations	
18 th December 2017		7 th Apr 2018			As per University schedule			As per University schedule	
Term Start and End		Holidays			Academic Activity				


Dr. V.R. Ghorpade
Principal

Co-Curricular Activities SEM-II:

Sr. No.	Activity	Date	Organizer
1	Spots Activity	Last week of December	Sports Coordinator
2	"Blood Donation Camp" on occasion of birthday of Hon.Dr.Patangraoji Kadam & Hon.Dr.Vishwajit Kadam	1 st week of Jan	NSS Team & Medical care committee
3	Campus Cleaning program	1 st week of Jan	NSS & All departments
4	Annual Gathering	3 rd week of Jan	Cultural committee
5	Seminar on "Personality Development"	4 th week of Jan	ETX Department
6	Training program for S.E,T.E.	2 nd week of Feb	TPO
7	C programming contest	3 rd week of Feb	CSE Department
8	Science day celebration	28 th February	FE Department
9	National conference	1 st week of March	CIVIL Department
10	Women's day celebration	8 th March	E&TC Department
11	NSS camp	2 nd week of March	NSS Coordinator
12	MCED workshop	3 rd week of March	EDC Cell
13	Farewell function	1 st week of April	MECH Department


Dr.V.R.Ghorpade
Principal

Annexure-ii: Feedback Reports

1. Alumni Feedback Report

<u>BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING KOLHAPUR.</u>				
<u>ALUMNI FEEDBACK FORM</u>				
<u>ESSENTIAL DETAILS</u>				
Alumni Name	Jitendra Govind Shinde.			
Father's Name	Govind Dattu Shinde.			
Date of Birth (DD/MM/YY)	28/06/1991			
Year of Passing out	2016	Department	MECHANICAL	
Permanent Address	At:- Kotoli, Tal- Parhala, Dist:- Kolhapur.			
Contact No.	-	Mobile No.	9146304050	
E-mail ID	jitendra.govind.shinde.			
Present Organization	Bharati vidyapeeth's, kop.			
Designation	Assi. prof.	Present Location	Kolhapur.	

S.No	Statement	Agree	Sometimes	Disagree
1.	Do you feel proud to be associated with BHARATI as an Alumni?	✓		
2.	Institute organizes various kind of activities for overall development of students.	✓		
3.	Are you willing to contribute in the development of the Institute?	✓		
4.	Institute handles student's grievance properly.	✓		
5.	Institute is having adequate laboratories and equipment for practical experiences.	✓		
6.	Is education imparted at BHARATI is useful and relevant in your present job?	✓		
7.	Have you obtained sufficient technical knowledge (both in theory and practical) at BHARATI?	✓		

8.	Has the T & P Cell provided ample On Campus and Off Campus placement opportunities?		✓	
9.	Do you like to join the Institute Alumni Association?	✓		
10.	Is Institute providing good hospitality as Alumni after passing out?	✓		
11.	Do you receive regular updates from the Institute through Mails/Calls/SMS etc.?		✓	

Most Memorable moment in the Institute:

felicitation at Bharati vidyapeeth's for 1st
Rank in Shriyati university from secretary
Hon'ble Dr. Vishwajeet kadam sir.

Suggestion for improvements:

Departments Develop Research and Development
work. for ME students,


Institute provide travelling facility for
student.
⇒ provide scholarship for Research
work to the student.

DATE: 26/08/2017



SIGNATURE

2. Parents Feedback Report

	Bharati Vidyapeeth's College Of Engineering, Kolhapur Department Of Mechanical Engineering
Year <u>2017-18</u> Semester <u>-VII</u>	
PARENT'S FEEDBACK	
Please indicate your opinion regarding the following aspects of our institute or department.	
1. Quality of teaching offered by college.	
<input type="checkbox"/> Excellent	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Satisfactory
2. Examination system adopted in institute	
<input type="checkbox"/> Excellent	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Satisfactory
3. Student discipline in college.	
<input type="checkbox"/> Excellent	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Satisfactory
4. Departmental infrastructure, laboratory & library facilities.	
<input checked="" type="checkbox"/> Excellent	<input type="checkbox"/> Good <input type="checkbox"/> Satisfactory
5. Does the institute regularly inform you about his/her performance?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No <u>partly</u>
6. Does the institute charge any extra facilities?	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
7. Quality of teaching offered by college.	
<input type="checkbox"/> Excellent	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Satisfactory
8. Are you satisfied with following facilities	
• Extra-curricular	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
• Hostel	<input type="checkbox"/> Yes <input type="checkbox"/> No <u>Day student</u>

- Counseling ☒ Yes ☐ No
- Guidance ☒ Yes ☐ No
- Canteen ☒ Yes ☐ No

9. Suggestion for Improvement : some changes are require for
letter sending towards the parents/guardian.

I/ We Mr. /Mrs. Dilip Dnyandev patil parent/guardian of
 Mr. /Miss /Mrs. Priyanka sanjay Patil have attended the parent's meet
 & well aware of the performance of my ward.

[Signature]
 Student signature

[Signature]
 Parent's signature
 Date: 10/02/2018

3. Employers Feedback Report

EMPLOYER FEEDBACK FORM

PERSONAL DETAILS:

1	Organization Name and Address	SHRI DUDHGANGA VEDGANGA
2	Name of the Alumni	RAHUL G. KAMBLE
3	Graduation Degree and Year of Passing	2017 (Mech. Engg.)
4	E - mail & Contact no.	rahul7287722@gmail.com.

FEEDBACK: (Please tick mark whichever is applicable)

Sr. No.	Attributes	Excellent	Very Good	Good	Average	Poor
1	Basic knowledge of Engineering concept		✓			
2	Technical knowledge and ability to implement appropriate technique	✓				
3	Ability to work in team and managerial skills		✓			
4	Leadership quality		✓			
5	Ability to do hard work to achieve desired goals			✓		
6	Communication skill		✓			
7	Ability of self motivation and self learning	✓				
8	Knowledge of advanced software		✓			
Remark:						

Name of industry/organization: SHRI DUDHGANGA VEDGANGA, SUGAR Fd., BIDRI.

Name of signatory: B.S. KULKARNI.

Designation: Cogen. Manager.

Date: 21/06/17.

B.S. Kulkarni
COGEN MANAGER
SHRI DUDHGANGA VEDGANGA S. S. K. Ltd;
Bidri (Mouninagar) Tal. Kagal

Signature & Seal:



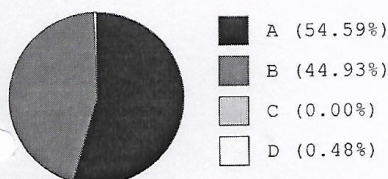
4. Students Feedback Report

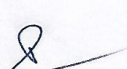



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR STUDENT FEEDBACK REPORT

Name: SHAMUVEL V PANDIT	Year: 2018
Subject: INDUSTRIAL ENGINEERING	Semester: II
Branch: Mechanical	Feedback : Formative
Class: BE	No. of Students who gave the feedback: 23
Shift: First Shift	Feedback Period: 2017-2018

#	Question	A [Excellent]	B [Good]	C [Average]	D [Below Average]
1	Interaction with students in and out of class	56.52%	43.48%	0%	0%
2	Faculty preparedness	47.83%	47.83%	0%	4.35%
3	Communication, presentation and teaching skill	60.87%	39.13%	0%	0%
4	Quality of course material	56.52%	43.48%	0%	0%
5	Level of confidence developed in students	52.17%	47.83%	0%	0%
6	Response to class queries	52.17%	47.83%	0%	0%
7	Conducting lectures/practical as per schedule	56.52%	43.48%	0%	0%
8	Conducting lectures/practical for full duration	56.52%	43.48%	0%	0%
9	Conducting lectures/practical in interactive manner	52.17%	47.83%	0%	0%
10	Syllabus completion	90% to 100%			
Overall Feedback		54.59%	44.93%	0.00%	0.48%




 Prof. Pramod A. Kharade
 Feedback Coordinator


 Dr. Vijay R. Ghorpade
 Principal

Annexure- iii: Best Practices of the institution

1. Title of the practice: Academic Monitoring System

Goal: Improve the quality education with the help of regular, in time teaching and learning process in depth.

The context: The problems of understanding and clarity in the subject were raised by the students. In such cases the faculty members are advised to open the subject with the models, kits, equipments and visualized the things form the real ground, in order to improve conceptual thinking of the students.

The practices:

1. Conducting the meetings with students of all department and discussing their difficulties
2. Surprise visit in the classes (theory and practical)
3. Academic audit is conducted by IQAC.
4. Conducting the meeting of all departments in order to motivate and realize the responsibilities of the teacher form the academic point of view.

Evidence and Success:

1. Attendance of the subject is improved
2. Discipline is improved

Problems Encountered:

We raised questions in the class in connection with understanding of subjects as well as methodology used in teaching, depth of technical knowledge and exercise in connection with University examinations but, however, students are not responded as per our expectations.

Resources Required:

1. Teaching aids should be improved
2. More emphasis should be on communication skill.

2. Title of the practice: Educational website

“www.simgraph.wordpress.com” for first year engineering subject Engineering Graphics.

Goal:

- Enhancing student-to-student and faculty-to-student communications.
- Enabling student centred teaching approaches.
- Providing 24/7 accessibility to course material
- Providing just-in-time methods to assess and evaluate student progress.

Context:

Today, the role of educational technology in teaching is of great importance because of the use of information and communication technologies. With the help of various applications of the internet, teachers and students see the advantage of educational technology. The presence of educational technology is growing in the classroom. The new generation of students is ready to work with these new technologies, which play an important role in students learning and acquiring knowledge. In this context, internet website for learning finds great benefits to students.

Practice:

To get benefitted by internet technology, a website “www.simgraph.wordpress.com” for first year engineering subject Engineering Graphics has been developed by Mr. M. S. Shinge, faculty from Mechanical department.

The features of website:

- Notes for each topic containing engineering drawings drawn by using Auto-Cad software.
- Topic notes are made interesting by using animated pictures.
- Question bank for each topic is uploaded.
- Useful links of other websites and youtube videos for particular topics are provided.

Evidence of success

This website is started from academic year 2016-17. Impact of this activity is reflecting in the result of subject Engineering Graphics. 10 students got distinction in university examination.

User students of this website are increasing continuously.

Year	No. of views
2016-17	2367
2017-18	1293
2018-19	2626 (till September)

Problems encountered and Resources required:

- Requires strong time management skills and self-motivation
- Internet and technology-dependent—susceptible to network connections, browser compatibility issues, etc.