

**Annual Quality Assurance Report  
(AQAR) 2017-18**

Submitted by  
The IQAC of

**Vidya Pratishthan's  
Kamalnayan Bajaj Institute of Engineering & Technology  
Vidyanagari, Baramati**

To

**National Assessment and Accreditation Council,  
Bengaluru**

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**The Annual Quality Assurance Report (AQAR) of the IQAC  
(2017-18)  
Part – A**

**I. Details of the Institution**

1.1 Name of the Institution	Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology
1.2 Address Line 1	Vidyanagri
Address Line 2	Bhigwan road
City/Town	Baramati, Dist- Pune
State	Maharashtra
Pin Code	413133
Institution e-mail address	principal.vpkbiet@vidyapratishthan. com
Contact Nos.	02112-239503/504
Name of the Head of the Institution:	Dr. Rajankumar S. Bichkar
Tel. No. with STD Code:	02112-239500
Mobile:	9637300101
Name of the IQAC Co-ordinator:	Mr. Vikas U. Deshmukh

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHCOGN 18879)

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)

1.5 Website address:

Web-link of the AQAR:

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 <sup>st</sup> Cycle	A	3.12	2017	5 years
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

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

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)

- i. AQAR \_\_\_\_\_ NA \_\_\_\_\_ (DD/MM/YYYY)
- ii. AQAR \_\_\_\_\_ (DD/MM/YYYY)
- iii. AQAR \_\_\_\_\_ (DD/MM/YYYY)
- iv. 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*)

Savitribai Phule Pune University,  
Pune. (SPPU,Pune)

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

Autonomy by State/Central Govt. / University  NO

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

15

2.2 No. of Administrative/Technical staff

2

2.3 No. of students

2

2.4 No. of Management representatives

1

2.5 No. of Alumni

1

2.6 No. of any other stakeholder and  
community representatives

1

2.7 No. of Employers/ Industrialists

1

2.8 No. of other External Experts

0

2.9 Total No. of members

23

2.10 No. of IQAC meetings held

2

2.11 No. of meetings with various stakeholders:

No.

8

Faculty

4

Non-Teaching Staff

2

Students

Alumni

1

Others

1

\*\* (List of IQAC members is attached herewith as Annexure II)

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

One Week Refresher Program Synergy: This program was based on cooperative learning, team building, presentation and communication skills, enhanced student-teacher relationship, professionalism and growth, new methods of teaching to address the new requirements, methods of increasing learners motivation and involvement, enhanced teacher-student relationship, opportunities for growth of future of education.

## 2.14 Significant Activities and contributions made by IQAC

- Internal Academic Audit twice in a year.
- Evaluation of teaching – learning process through feedbacks.
- Meetings with faculties.
- Encouraging students to take part in various technical events through various departmental student associations.

## 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 \*

Sr.No.	Plan of Action	Achievements
1	Preparation for NBA	Following UG programs are ready for submitting NBA pre-qualifiers: 1.Mechanical Engineering 2.Electronics and Telecommunication Engineering
2	MOU's Continued/Signed	1. Zensar Technologies Limited, Pune 2. College of Engineering, Shivajinagar, Pune 3. COEP'S BHAU Institute 4. Nashik Engineering Cluster, Nashik 5. Indian Institute of Welding Pune Branch.
3	Academic Calendar of Semester I &II	Attached in Annexure III
4	Research Proposals	Proposals submitted to AICTE: MODROB (2), RPS (3), FDP(1), DST(4), BCUD-SPPU,Pune (49).

\* Attach the Academic Calendar of the year as Annexure. (Attached the Academic Calendar of the year 2017-18 as Annexure III)

2.15 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body

Provide the details of the action taken

The management approved AQAR report and suggested to focus on placement related activities.

## 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	5	---	5	---
UG	6	---	6	---
PG Diploma	---	---	---	---
Advanced Diploma	---	---	---	---
Diploma	---	---	---	---
Certificate	---	---	---	---
Others	---	---	---	---
<b>Total</b>	11		11	---
Interdisciplinary	---	---	---	---
Innovative	---	---	---	---

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	6 UG + 5PG
Trimester	—
Annual	—

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

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

*\*Please provide an analysis of the feedback in the Annexure*

Analysis of feedback provided in the annexure IV

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

1. New syllabus introduced for TE (2015 Pattern) for all UG Program as per the regulation of SPPU, Pune.
  2. Introduction of Grading System for TE students
  3. Audit Course introduced for SE/TE Students.

##### 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
91	74	11	06	Nil

2.2 No. of permanent faculty with Ph.D.

26
----

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
20*	00	00	21	00	10	00	00	04	11

\*: Recruited against Associate Professors

2.4 No. of Guest and Visiting faculty and Temporary faculty

16	Nil	30
----	-----	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	11	05	11
Presented papers	15	05	01
Resource Persons	01	02	Nil

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

- Use of ICT in teaching learning process.
- Introduction of assignments based on Bloom's taxonomy and open courseware module.
- Usage of NPTEL, EDX, QEEE resources, E-library and E-journals.
- Industrial visits & In-plant training
- FDP, Guest lectures, Seminars & work shop
- Case studies and Role play
- Problem Based Learning
- Importance given on Remedial Classes for failures and slow learners.
- Yoga Classes were conducted for the personality development of the students.

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

168
-----

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

Online MCQ, Open Book examination for PG Courses

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

00

05

00

2.10 Average percentage of attendance of students

78

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
First Year	379	17.68	15.83	1.85	1.58	0.00
Civil Engineering (SE)	72	25.00	24.00	9.70	4.17	0.00
Civil Engineering (TE)	71	26.76	38.00	1.40	2.82	0.00
Civil Engineering (BE)	66	69.70	25.76	4.55	0.00	0.00
Computer Engineering (SE)	75	16.00	30.67	10.67	1.33	0.00
Computer Engineering (TE)	65	41.54	38.46	3.08	0.00	0.00
Computer Engineering (BE)	72	77.78	16.67	1.39	0.00	0.00
Information Technology (SE)	70	7.14	17.14	5.71	0.00	0.00
Information Technology (TE)	75	14.67	28.00	9.33	2.67	0.00
Information Technology (BE)	65	61.54	32.71	4.62	0.00	0.00
Electrical Engineering (SE)	71	9.86	26.76	7.04	0.00	0.00
Electrical Engineering (TE)	75	40.00	18.67	1.33	5.33	0.00
Electrical Engineering (BE)	67	80.60	11.94	4.48	0.00	0.00
Electronics and Telecomm. Engg (SE)	139	10.07	17.27	8.63	1.44	0.00
Electronics and Telecomm. Engg (TE)	148	14.19	13.60	22.44	6.76	0.00
Electronics and Telecomm. Engg (BE)	125	60.80	24.00	4.00	0.00	0.00
Mechanical Engineering (SE)	68	27.94	22.06	10.29	1.47	0.00
Mechanical Engineering (TE)	78	43.59	20.51	1.28	1.28	0.00
Mechanical Engineering (BE)	68	92.65	5.88	0.00	0.00	0.00

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

- IQAC has been closely monitoring all the academic activities such as syllabus completion, content beyond the syllabus.
- Internal Academic Audit is conducted twice in a year.
- IQAC monitors the internal assessment test evaluation and suggests for enrichment.
- Evaluation of the teachers by students is carried out by taking students feedback in every semester. The feedback is analyzed and corrective actions are incorporated for the improvement of teaching.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	34
UGC – Faculty Improvement Programme	09
HRD programmes	02
Orientation programmes	05
Faculty exchange programme	Nil
Staff training conducted by the university	Nil
Staff training conducted by other institutions	Nil
Summer / Winter schools, Workshops, etc.	48
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	38	Nil	Nil	Nil
Technical Staff	28	Nil	Nil	Nil

## Criterion – III

### 3. Research, Consultancy and Extension

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

- Dean R&D has been appointed to look after research and innovation activities in the institute.
- To promote the R&D activities funds are provided to faculties for research activities as per institute level policy.
- For research and development activities institute level policy is framed for promoting faculties for joining research programs. Some faculties joined research programs at IITs, NITs, in various universities and abroad.
- Encourage students to do multidisciplinary projects.

#### 3.2 Details regarding major projects

	Completed	On-going	Sanctioned	Submitted
Number	-	-	-	04
Outlay in Rs. Lakhs	-	-	-	117.3

#### 3.3 Details regarding minor projects

	Completed	On-going	Sanctioned	Submitted
Number	04	06	01	27
Outlay in Rs. Lakhs	4.45	7.43	1.75	66.1

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	14	01	-
Non-Peer Review Journals	03	-	-
e-Journals	-	-	-
Conference proceedings	11	07	-

#### 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 organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	02	SPPU	Rs. 8.87 Lakhs	Rs. 7.07 Lakhs
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-

Any other(Specify)	-	-	-	-
Total	06 Projects	-	Rs. 8.87 Lakhs	Rs. 7.07 Lakhs

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

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	-	-
Sponsoring agencies	-	-	-	-	-

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
-	01	-	-	-	-	-

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

1

Nil

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 11 State level -  
National level - International level -

3.22 No. of students participated in NCC events:

University level - State level -  
National level - International level -

3.23 No. of Awards won in NSS:

University level - State level -  
National level - International level -

3.24 No. of Awards won in NCC:

University level - State level -  
National level - International level -

3.25 No. of Extension activities organized

University forum	-	College forum	03		
NCC	-	NSS	03	Any other	01

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

- ‘MECHFEST-2K17’ was a technical event organized by Mechanical Engineering Department and SAEINDIA Collegiate Club during 27<sup>th</sup> & 28<sup>th</sup> September 2017. There were 7 technical activities carried out under this event such as Poster presentation, Talk-War, Paper Pen Thoughts, Technical Quiz etc. This event has provided an opportunity for students to demonstrate their skills.
- Blood donation camp, visit to orphanage: Savali and tree plantation program was organized by NSS unit.
- No Vehicle Day was exercised by all faculties and students to avoid environmental pollution.

## 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	1,18,694.3 Sq.mts. Built-up area: 54,227.68 Sq.mts.	---	---	1,18,694.3 Sq.mts. Built-up area: 54,227.68 Sq.mts.
Class rooms	21	---	---	21
Laboratories	57	---	Institute	57
Seminar Halls	05	---	---	05
No. of important equipment's purchased ( $\geq$ 1-0 lakh) during the current year.	Civil (10), Computer (16), Mechanical (20), E&TC (08), Electrical (06)	MSC (Master CAM) Software	Institute	1689.90
Value of the equipment purchased during the year (Rs. in Lakhs)	1660.32	29.58	Institute	
Others	---	---	---	---

#### 4.2 Computerization of administration and library

- Library Circulation is fully automated.
- Providing services like Web OPAC (Online Public Access Catalogue), SDI (Selective Dissemination of Information), CAS (Current Awareness Service)
- Online renewal of issued books.
- Reprographic Service is provided in the library.

Total Number of Computers for Public access	16
Total Number of Printers/Xerox Machine	01
Internet Bandwidth	ILL 120Mbps (1:1)

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (In Rs.)	No.	Value (In Rs.)	No.	Value (In Rs.)
<b>Text Books</b>	27539	9455662	911	460989	28450	9916651
<b>Reference Books</b>	1365	4979956	33	210234	1398	5190190
<b>e-Books</b>	--	--	--	--	--	--
<b>Journals</b>	72*	160424	69*	165945	69*	165945
<b>e-Journals</b>	275*	672479	293*	1191903	293*	1191903
<b>Digital Database</b>	1*	672479	3*	1191903	3*	1191903
<b>CD &amp; Video</b>	2286	--	--	--	2286	--
<b>Others (Institutional Membership of NDL, DELNET and ARAI)</b>	3	14950	3	17110	3	17110

\* : Yearly Subscription

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
<b>Existing</b>	595	20	100Mbps	01	01	01	06	--
<b>Added</b>	--	--	20Mbps	--	--	--	--	--
<b>Total</b>	595	20	120Mbps	01	01	01	06	--

- Upgraded LAN Switches of Computer Labs.

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

- Library Orientation to all students
- Library Training session for Admin Office.
- NPTEL Video Lectures are available on a dedicated server LocalGuru.

4.6 Amount spent on maintenance in lakhs:

i) ICT (Computers, Peripheral Repair & Maintenance)	0.77
ii) Campus Infrastructure and facilities	5.78
a)Landscape and Gardening : Rs. 3,91,460	
b)Furniture Maintenance/Repair: Rs.1,69,664	
c)Fire Safety Devices: Rs.17,536	
iii) Equipment's	6.05
iv) Others	11.87
a) Vehicle Repair & Insurance: Rs.1,38,952	
b) Other Repairs: Rs.10,47,960	
<b>Total :</b>	<b>24.48</b>

## Criterion- V

### 5. Student Support and Progression

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

- Information of student Support services is available on college website.
- Student section circulates various notices regarding scholarships and other schemes.
- For skill development of students, “Spoken English Club” is formed for FE students.
- “Workbook Concept” is introduced for the students for solving the questions.
- Physical training programs are organized in the campus for the students to ensure their fitness.
- Arrangement of Industrial Visits to enhance practical knowledge.
- Student Feedback activity is conducted at the end of semester.

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

- Institute prepares the Academic calendar and accordingly track the progression
- Allocated mentors for batch of 20 students and a class teacher for each class to monitor and counsel the students’ progress in academic as well as extra-curricular activities.
- Placement cell keeps the tracking of training programs and placements.
- Conduction of Unit test and practical MOCK test to improve the confidence and performance of students.
- Result analysis of unit test and University examination for tracking the progression
- Retests are conducted for failure students.

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

UG	PG	Ph. D.	Others
1860	51	NA	NA

(b) No. of students outside the state

15

(c) No. of international students

NIL

No	%
1038	54.32

Men

No	%
873	45.68

Women

Last Year (2016-2017)							
General	SC	ST	DT/VJ	NT	OBC	Physically Challenged	Total
955	200	11	29	235	503	00	1933
This Year (2017-2018)							
General	SC	ST	DT/VJ	NT	OBC	Physically Challenged	Total
960	191	7	24	239	490	00	1911

Demand ratio: 90.48%

Dropout 2.57 %

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

- The college encourages students to participate in various National/International Technical events such as seminars, workshops, conferences organized at different reputed organizations like IITs, NITs etc.
- Mock tests, Aptitude Tests, Training for Competitive exams, Expert lectures and Seminars, GATE coaching for the students is conducted on regular basis.
- Books are made available in library.

#### Details of programs conducted

Sr. No	Date	Name of Program	Topic	Speaker/Trainer	Class
1	8 <sup>th</sup> to 9 <sup>th</sup> July 2017	English Improvement Classes	English Improvement Classes	Mrs. Joysey Joseph Principal Vidya Prathishthan's New English Medium School	SE(IT, Computer, Mechanical)
2	22 <sup>nd</sup> to 23 <sup>rd</sup> July 2017	Soft skill Training Program	Employability Enhancement Program	Fatema Tinwala and Jagtap Madam	SE (E&TC, Electrical)
3	9 <sup>th</sup> to 10 <sup>th</sup> Sept. 2017	English and Communication Classes	English and Communication Classes	Mrs Joysey Joseph Principal Vidya Prathishthan's New English Medium School	SE (Civil, E&TC, Electrical)

4	6 <sup>th</sup> to 7 <sup>th</sup> Oct. 2017	Soft skill Training Program		Fatima Tinwala and Priya Jagtap	SE (IT,Computer)
5	8 <sup>th</sup> to 9 <sup>th</sup> Oct. 2017				SE (Mechanical,C ivil)
6	23 <sup>rd</sup> to 24 <sup>th</sup> Oct. 2017				TE (IT,Electrical)
7	25 <sup>th</sup> to 26 <sup>th</sup> Oct. 2017				TE E&TC
8	27 <sup>th</sup> to 28 <sup>th</sup> Oct. 2017				TE (Computer, Mechanical)
9	29 <sup>th</sup> 30 <sup>th</sup> Oct. 2017				TE Civil
10	12 <sup>th</sup> to 22 <sup>nd</sup> Dec. 2017	Zensar Advanced Java Training	Zensar Advanced Java Training	Mr.Parmeshwar N	BE (IT, Computer)

No. of students beneficiaries

967

5.5 No. of students qualified in these examinations

NET	<input type="text" value="0"/>	SET/SLET	<input type="text" value="0"/>	GATE	<input type="text" value="11"/>	CAT	<input type="text" value="0"/>
IAS / IPS etc.	<input type="text" value="0"/>	State PSC	<input type="text" value="15"/>	UPSC	<input type="text" value="0"/>	GRE/TOEFL/IELTS	<input type="text" value="2"/>
Others	<input type="text" value="0"/>						

5.6 Details of student counselling and career guidance

Class Teacher and mentor system is in operation at the respective departments.

Various programs are arranged for career guidance as listed below.

Sr. No	Date	Name of Program	Speaker/Trainer	Class
1	30 <sup>th</sup> June 2017	Opportunities in Competitive Examinations for Engineers	Mr.Avinas Shinde (VPKBIET Alumnus -2010 and UPSC Civil Services -2016 Rank 976)	All Students
2	30 <sup>th</sup> June 2017	Opportunities in Competitive Examinations for Engineers	Mr.Jaydeep Deth (UPSC Civil Services - 2016 Rank 970)	All Students
3	6 <sup>th</sup> July & 1 <sup>st</sup> Aug. 2017	Persistent Foundation Kiran Girls Scholarship Information	Training and Placement Department VPKBIET Baramti	All Girl Students
4	1 <sup>st</sup> Aug. 2017	Cummins Scholarship Presentation	Mr.Ansari Kazi (Cummins Phaltan)	FE to TE
5	21 <sup>st</sup> to 23 <sup>rd</sup> Dec. 2017	Entrepreneurship Awareness Camp	Mr.Shreepad Tawhare and Dr.Nachiket Thakur	TE and BE all Branches
6	14 <sup>th</sup> Feb. 2018	Preparation for Competitive Examination	Prof.Ogale Sir	TE and BE all Branches
7	14 <sup>th</sup> March 2018	Oppourtinies for UG and PG Students for Internship at Abroad Universities	Dr Sandeep Inamdar Vishwaniketan Khalapur	TE and BE all Branches

No. of students benefitted

1350
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### 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
7	401 *	26	59

\*: Students are repeated

## 5.8 Details of gender sensitization programs

- Institutional women empowerment cell organizes awareness program.
- Women's day celebration.
- College committee aware the student about the process to be followed for any issues/complaints.

## 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

<b>For the A.Y. 2017-18</b>	<b>Number of students</b>	<b>Amount in Rs.</b>
Financial support from institution	2	58,506
Financial support from government	1377	5,42,93,513
Financial support from other sources	8	3,14,000
Number of students who received International/ National recognitions	---	-----

5.11 Student organised / initiatives

Fairs	: State/ University level	<input type="text" value="02"/>	National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>
Exhibition:	State/ University level	<input type="text" value="--"/>	National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

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 achieve academic excellence through persistent and synergic collaborations amongst all stakeholders.

Mission:

- To ensure holistic development of students as lifelong learners and problem solvers through value based quality education.
- To motivate faculty to attain the state -of-the-art knowledge and wisdom in their domain and be a facilitator towards co-creation of knowledge.
- To frame and deploy conducive and empowering policies for multifaceted growth of students, faculty and staff to make them contributors towards excellence.

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

Yes, Following activities are preserved through MIS:-

- Preparation of semester wise comprehensive plan for quality enhancement and incorporate in the academic calendar.
- Assignment of specific roles to various faculty members to carry out work as per the action plan.
- Maintain student data through Zoom software.
- Finance and Account through Tally ERP software.
- Update the library data through SLIM 21 Library Software.
- Maintain examination work through MS-Access software.

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

##### 6.3.1 Curriculum Development

- Promote faculties for participating in various syllabus framing meetings and implementation workshops arranged by the university.
- Adopt Module Pattern as per syllabus prescribed by the Savitribai Phule Pune University, Pune.
- Flexibility of curriculum is provided through Core/Elective option / Open options in every department.
- Facilitate the students for mini-project and audit courses.

##### 6.3.2 Teaching and Learning

- Promotes teaching and learning process by QEEE courses and various audit courses.
- Digital Library with e-Journals, ASCE, DELNET, Association with IIT Bombay Library, and CDEEP-IITB, NPTEL and QEEE Learning Resources, Student Book Bank Scheme.
- Use of various approaches such as industrial visits, workshops, projects presentations, surveys, seminars, experiments and practical sessions, guest lecturers etc.
- Implementation of flipped class room using E-books, digital libraries and video lectures.
- Use of ICT tools in teaching learning through MOOC's.
- Conduction of courses by Industry experts

### 6.3.3 Examination and Evaluation

- Unit tests, Midterm tests and preliminary examinations are conducted throughout semester to assess performance of students.
- MCQ based online Test with objective questions of varying degree of difficulty are conducted.
- Result analysis- A document of result is prepared for each class includes: Percentage passed, ATKT, Distinction, First class and Second class, list of toppers signed by respective class Coordinator and HoD.
- Feedback of students- It is taken twice in a year at the end of every semester.
- Feedback of faculty is collected from faculty through performance of self-appraisal system in a year and reviewed for improvement of faculty.
- Continuous internal assessment sheet is maintained for Term work/ Lab work.
- Online examination and Final theory examination (off line) are conducted by University.

### 6.3.4 Research and Development

- Encourage faculties for research activities through QIP, BCUD and other funding agencies.
- Deputing faculties for various training programs such as summer & winter fellowship.
- Arrange various technical events in every department for students to explore their ideas.
- Projects are offered to the students based on recent developments.
- Supports research projects by providing the financial assistance to the students.

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

- Central Library is using the SLIM 21 Library Software to handle all library activity.
- Digital Library with e-Journals, ASCE, DELNET, Association with IIT Bombay Library, and CDEEP-IITB, NPTEL and QEEE Learning Resources, Spacious Reading Hall, Student Book Bank Scheme etc. are the facilities available in Central Library.
- Online public access catalogue facility is available within the campus for all students and staff.
- Bar coded based issue / return of books.
- Central Library has started mail service for the benefit of students and faculty to get about their overdue books.
- Book bank facility for students.
- Broadband connection – connectivity speed improved from 100 Mb to 120 Mb.
- Online fee collection using Gateway.
- Well-furnished hostels for boys and girls, class rooms, laboratories, seminar halls, auditorium, departmental library, class rooms equipped with LCD projectors, CCTV facility is available at important locations of the building.
- Guest houses and staff quarters are facilitated in campus for residence.
- Cricket Ground, Playground, Indoor Games, Open Gymnasium, Cultural Activities, Newspapers, Community Centre, Cafeterias, Medical Store, General Stores and Clinic are also available at a walkable distance.
- All the departments of the Institute have adequate computing facility both in terms of hardware and software.
- Excellent parking facility is provided in campus.
- Beautification of campus is maintained by floral tree plantation.

### 6.3.6 Human Resource Management

- The faculties are always supported for professional skill development and proper budgetary provision is allocated for this activity.
- The faculties are offered sponsorship for paper presentation in conference, participation in seminars and workshops.
- Organization of staff development programs to impart training to the staff.
- Staff members are entitled to other benefits like Provident Fund, Gratuity and Group Insurance, Casual, Earned, Medical, Special leaves and Vacation.
- Service Book is maintained for every recruited staff.
- Faculty retention is ensured through conducive work environment such as support for higher studies, increments / promotions and encouragement for research publications.

### 6.3.7 Faculty and Staff recruitment

- Advertisement is published prominent Marathi and English newspapers and also make available on the Website for requirement of well qualified faculty and staff.
- The process is adopted for selection of competent Faculty with sound technical knowledge and skill of through UGC committee.
- Staff selection committee appointed by University recruits the Faculty and Staff.
- Selection is done according to the selection list given by the panel by following all the reservation norms and the roster.

### 6.3.8 Industry Interaction/Collaboration

- Students are motivated for industrial training at UG and PG level.
- Consultancy and testing work is carried out in few departments.
- Industrial and various site visits are arranged for the students.
- Government live projects are taken by the students for seminars.
- Industry meet is organized to strengthen the interaction.

### 6.3.9 Admission of Students

- The institute has followed the admission process for students as per the norms and directives given by DTE, Government of Maharashtra State as below.
- The entire admission process and eligibility criteria are well documented in the brochure published by DTE, Government of Maharashtra State.
- Out of 100% first year (UG) seats, 65% seats are filled through common entrance tests like CET/JEE/Composite score as per the eligibility criteria given by Maharashtra State.
- 15% seats are filled through All India Engineering Entrance examination (AIEEE).
- 20% seats are filled by Institute under Institute level seats by the students who satisfies the minimum eligibility criteria given by Directorate of technical education and as per merit list.
- Direct second year (DSE) seats are filled on the basis of final year diploma score.
- PG seats are filled on the basis of score in the national level graduate aptitude test for engineers (GATE).

#### 6.4 Welfare schemes for

Teaching and Non-teaching	<ol style="list-style-type: none"> <li>1. Medclaim policy</li> <li>2. Group Insurance Scheme</li> <li>3. Group Gratuity Scheme</li> <li>4. Financial assistance to staff</li> <li>5. Earned leave and medical leave</li> <li>6. Deputation of faculty members for PG and PhD program.</li> <li>7. Preferential selection on higher level post after acquiring desired qualifications.</li> <li>8. Institute provides uniforms to non-teaching staff</li> </ol>
Students	<ol style="list-style-type: none"> <li>1. Financial support to needy students</li> <li>2. Personality/Girls Empowerment Development</li> <li>3. Special Guidance program</li> <li>4. Scholarship</li> </ol>

#### a) Facility of Medclaim:

Academic Year	No. of Staff Members	Staff members availing Medclaim	% of staff members
2017-18	178	20	12

#### b) LIC Personal Accident Insurance (Group Insurance Scheme)

Academic Year	No. of Staff Members	Staff members availing LIC Group Insurance scheme	% of staff members
2017-18	178	121	68

#### c) Group Gratuity Scheme

Academic Year	No. of Staff Members	Staff members availing Group Gratuity Scheme	% of staff members
2017-18	178	139	78

#### d) Financial assistance to staff (in case of accidental cause/education/abroad tour)

Academic Year	Name of Staff Members	Purpose	Total amount Disbursed(Rs.)
2017-18	05	Medical	122508/-

6.5 Total corpus fund generated

NIL

6.6 Whether annual financial audit has been done

Yes

v

No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	NO	--	Yes	IQAC
Administrative	NO	--	Yes	Principal

6.8 Does the University/ Autonomous College declares 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?

Following are the Examination reforms made by Savitribai Phule Pune University, Pune:

- Continuous evaluation through mid-semester on line multiple choice questions test for FE and SE students and Insem offline test for TE and BE students.
- Implementation of credit based system.
- Introduction of audit courses to enhance the student employability.

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

Savitribai Phule Pune University motivates to get for permanent affiliation as a step towards getting autonomy.

6.11 Activities and support from the Alumni Association

- Institute has formed a registered alumni association for all branches.
- Alumni meet is conducted once in a year to collect the feedback of alumni to enhance the teaching learning process as well as to build a strong industry- Institute relationship through employed students as well as the students who are playing a roll of entrepreneur.
- Technical guidance and expertise to students participating in Baja.
- Interaction with faculty about Academics and Research.
- Lectures about career planning.

6.12 Activities and support from the Parent – Teacher Association

- At the commencement of the academic year an orientation programme is conducted along with the Principal’s address for First Year Engineering students accompanied by their parents to make them aware of the evaluation pattern from FE to BE.
- Parents meet is organized every year to have interaction between teachers and parents for over all development of the students.
- The meritorious students were rewarded at annual meet with parent.
- The Institute interacts regularly with the stakeholders such as parents, students, alumni and faculties on various aspects like curriculum, academic developments, and infrastructure and support facilities etc.
- Institute monitor attendance of students and prepare list of defaulter at end of month, communicate to parents by sending letter to reduce drop outs.
- Class teacher monitor attendance, if students remains absents take follow up of absent students by phone call to students or parents.
- The IQAC involves parent representative as external member.

### 6.13 Development programmes for support staff

- The staff development programs are conducted to enhance professional, teaching and communication skills.
- Supports to develop professional skill of the faculty and proper budgetary provision are allocated for this activity.
- Encourage faculty for paper presentation in conference, participation in seminars and workshops.
- Motivate the faculty through implementing a policy for distribution of Testing and Consultancy charges.
- Concessions are given to faculty for pursuing higher studies by way of special leave/concession in teaching load.

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

- Institute follows environment consciousness through energy conservation practices, waste management practices and plantation of lots of different plant species including medical plants in the campus.
- Institute has greenery spanned over 20 acres of land and maintenance supervisor(s) are available for up-keeping the track of greenery.
- Institute has rain water harvesting unit to save water for various purposes.
- Dust bins have been provided at many places for solid waste collection.
- Provision of water purifiers/filters in the college campus with corporation water as a feed water ensures hygienic potable water.
- Recycled water is circulated for plants nurturing.
- Institute has tie-up with Environmental Forum of India (NGO), Baramati.
- Solar Grids are installed for availing the sources of renewable energy.
- Energy Audit is conducted to estimate the energy consumption.

## 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.

- One Week AICTE Approved Refresher Course on “Synergogy” was organized for faculties in order to bridge the gap in teaching and learning processes.
- Introduction of Synergogy Techniques like Flipped Classrooms, Poster Presentation, Quizzes were introduced by the faculty to enhance teaching-learning.
- Workshop on “Entrepreneurship Development” was organised for the final year students in order to improve their employability skills.
- Employability Skill Development (ESD) program for Final Year Students in association with Zensar Technologies
- Global Talent Track (GTT) program on soft skills and technical skills in association with Barclays
- Curricular enrichment in the form of large number of value added courses at departmental level through various student associations.
- Use of e-learning platforms like MOODLE, QEEE, Certification Courses from NPTEL, edX etc.
- Evaluation using mock internal tests and mock practical exams.
- Remedial Classes for weaker students and introduction of workbook concept for First Year Students
- Preparatory Courses on “Aptitude Tests” and “Higher Education like GATE/GRE etc.” are organised on regular basis by various departments
- Online Student Feedback System was introduced and implemented successfully
- Workshops & FDPs for faculty
- Biometric Attendance Monitoring System for Faculty & PG Students
- Faculty Assessment System (Self-appraisal/Performance Reports, Faculty Presentations, Feedback Systems etc. )
- Continuous assessment of Term-work.
- Guest lectures by industrial experts/academicians
- Every faculty prepares subject wise course file in which all the teaching material is available including handwritten notes, PPT hand-outs, transparent sheets, previous question papers, question banks etc.
- Courses and Certification in Free and Open Source Software (FOSSE) under IIT Bombay
- Department of Civil Engineering provides consultancy to industries, stake-holders of society.
- Faculty receiving Grants for research projects from BCUD, Savitribai Phule Pune University on continual basis.
- Faster, effective and paperless communication with staff is facilitated through Google groups. Official e-mail id is provided to the faculty, and staff with domain name @vpkbiет.org
- Assignments, surveys, student information regarding seminars and project topics, electives etc. are shared/ updated through Google sheets.
- Apart from this student & faculty groups are formed on Social Media like WhatsApp, Facebook etc. for quick sharing of information.

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

Following activities have been conducted by each department as per their departmental calendar:

1. Value Added Training Programs for the students: ESD, ED, GTT, Spoken Tutorials, and QEEE
2. Guest lecture on “Embedded Systems” by Mr. Aniruddha More, KPIT Technologies, Pune was organised on 29 July’17.
3. Guest lecture on “Career Guidance” by Mr. Amit Chavan, Project Engineer at CDAC, Pune was organised on 18 Nov’17.
4. Study Tour was arranged for second year students of Computer Engineering at IIT Bombay during TechFest-18 (30-31 Dec’17)
5. Workshop on “Big Data and Hadoop” by Mr. Sachin Gaikwad was organized for students of Information Technology department in Feb’18.
6. A Technical Event: Technova-17 was organized under Computer Engineering Student Association (CESA) in Sept’17
7. Each department organizes Parent Meet in every year to intimate parents about their ward progress and to make them aware about department activities. This year, it was held on 24 March’18.
8. Industrial Visit at Mahindra Pvt. Ltd., Chakan was organized by Mechanical Engineering in Oct’17.
9. Guest Lecture on “Fluid Mechanics” by Dr. S. N. Londhe and Dr. Ms. P. R. Dixit was arranged by Civil Engineering Department on 28 March’18.
10. SPPU Sponsored Two-Days workshop on “Steel Design-Bridging the gaps: Theory and Practice” was arranged for the Faculty of Civil Engineering in Jan’18
11. AICTE Approved Refresher Course on “Synergogy” was organised for faculty in Oct’17
12. Entrepreneurship Development Program by Department of Science and Technology was arranged for final year students in Dec’17.
13. Demonstration on Thermoplastic and Thermoplastic Polymer by experts was organised for First Year Students.
14. Planted around 25 different number of plants successfully in the premises of the institute and nearby places as decided previously.
15. Various activities like Cleanliness Campaigns, Plastic Awareness Campaigns, Tree Plantation, Snake Awareness Program, helping hands to Orphanages, special children were organised throughout the year under National Service Scheme (NSS) unit.

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

1. NPTEL (National Programme on Technology Enhanced Learning) Online Certification Courses: A move to enhance the technical strength of students.
2. Best out of Waste

***\*Details are attached in Annexure-V***

#### 7.4 Contribution to environmental awareness / protection

1. Institute has tie-up with Environmental Forum of India (NGO), Baramati. It provides environmental awareness on a large scale at and around Baramati.
2. Environmental awareness Rally on World Environment Day 5th June 2017 by Environmental Forum of India
3. Various activities were organized in the institution under Swachta Pakwada from 1<sup>st</sup> September to 15th September 2017
4. Guest Lecture on “Urban Planning and Garbage Management” by Mr. R. K. Kokare was organized under “Pratibimb” by Environmental Forum of India, Baramati.
4. The institute has National Service Unit: ‘NSS’ which conducts activities related to environmental consciousness and awareness to sensitize students towards the environment.
5. Staff and students of the campus follow various environment friendly measures at Home /hostels.
6. The NSS unit of the institute conducts plantation drives at the rural camp sites and in the college campus periodically.
7. In the college building and premises green corridors have been established.
8. A large numbers of tree species have been planted in college campus for making the campus environment friendly. Nakshtra Garden is developed in the premises of Vidya Pratishthan which consists of various medicinal plants based on Zodiac Signs.
9. Recycled water is used for nurturing of plants in the campus.
10. Printed Documents are avoided many times, if necessary printing on both sides of paper and use of soft copies is promoted as a small effort towards Green Consciousness
11. Broken Cubes are used for ground levelling.

7.5 Whether environmental audit was conducted?      Yes       No

\*Green Audit was conducted on 30 March 17. VPKBIET has a separate MoU with Environmental Forum of India (NGO), Baramati for collaborations in environmental consciousness.

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

**Strengths:**

- Well defined Teaching and learning processes and its execution to keep learning on toes.
- Qualified and dedicated faculties who are always in front to upgrade their knowledge and skills.
- Lab facilities with and state of the art infrastructure to motivate students for lifelong learning.
- Integrated co-curricular and extracurricular activities for comprehensive development of the students.
- Contributing to Girls education by providing technical education to girls students

**Weaknesses:**

- Strengthening of research & consultancy.
- Improving of student placements.

**Opportunities:**

- To deliver industry relevant courses and centre of excellence by collaborating with higher learning Institutes.
- To strengthen entrepreneurship development.
- To establish centre for applied research to address the rural challenges through technology development.

**Challenges:**

- To frame Career Profiling of admitted students to offer choice based career.
- To use university roadmap to achieve the benchmarks required by industry and society.

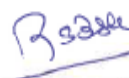
**8. Plans of institution for next year**

- Permanent Affiliation under Savitribai Phule Pune University,Pune
- NBA Accreditation of UG Programs

Name Mr. Vikas U. Deshmukh



Name: Dr. Rajankumar S. Bichkar



Signature of the Coordinator, IQAC  
**Coordinator**  
Internal Quality Assurance Cell  
VPKBIET, Baramati 413133



Signature of the Chairperson, IQAC  
**Principal**  
Vidya Pratishthan's  
**Kamalayan Bajaj Institute of  
Engineering & Technology, Baramati**  
Vidyanagari, Baramati-413133

### **Abbreviations:**

CAS - Career Advanced Scheme

CAT - Common Admission Test

CBCS - Choice Based Credit System

CE - Centre for Excellence

COP - Career Oriented Programme

CPE - College with Potential for Excellence

DPE - Department with Potential for Excellence

GATE - Graduate Aptitude Test

NET - National Eligibility Test

PEI - Physical Education Institution

SAP - Special Assistance Programme

SF - Self Financing

SLET - State Level Eligibility Test

TEI - Teacher Education Institution

UPE - University with Potential Excellence

UPSC - Union Public Service Commission

BCUD - Board of universities and college developments

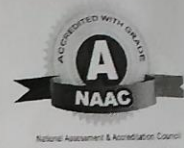
SPPU - Savitribai Phule Pune University

MoU - Memorandum of understandings



**Vidya Pratishthan's  
KAMALNAYAN BAJAJ INSTITUTE OF  
ENGINEERING & TECHNOLOGY, BARAMATI**

विद्या प्रतिष्ठानचे, कमलनयन बजाज इंस्टिट्यूट ऑफ इंजिनियरिंग अँड टेक्नॉलॉजी, बारामती  
(Formerly Vidya Pratishthan's College of Engineering, Baramati)



Approved by AICTE & Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University, Pune  
University Id.No. /PU/PN/Engg./152/2000 | DTE Code: 6284

Ref. No.: VPKBIET/03/2018/219

Date:- 07/03/2018

**Internal Quality Assurance Cell**

Sr. No.	Name	Designation/department	IQAC Designation
1	Dr. S. B. Lande	Principal, VPKBIET Baramati	Chairman, IQAC
2	Mr. D. R. Unde	Secretary, Vidya Pratishthan, Baramati	Management Representative
3	Mr. V. U. Deshmukh	Asst. Prof. Dept. of E&TC Engg.	IQAC Coordinator
	Dr. A. P. Hiwarekar	Prof. Dept. of General Science & Engg.	Co-Coordinator
4	Mr. Satish Taware	Administrative Officer	Member, VPKBIET Administration
	Mr. Sashank Dandvate	Accounts Officer	
5	Dr. Sanjaykumar Biswash	Associate Prof. & Head, Dept. of Computer Engg.	Members
	Mr. D. A. Zende	Asst. Prof. & Head, Dept. of Information Technology	
	Dr. P. R. Chitragar	Asst. Prof. & Head, Dept. of Mechanical Engg.	
	Dr. R. J. Patil	Asst. Prof. & Head, Dept. of Civil Engg.	
	Mrs. J. S. Kulkarni	Asst. Prof. & Head, Dept. of Electrical Engg.	
	Dr. N. K. Sahuji	Prof. & Head, Dept. of General Science. NAAC Coordinator	
	Mr. A. S. Disale	Asst. Prof. Dept. of General Science & Engg.	
	Mrs. S. A. Takale	Asst. Prof. Dept. of IT	
	Mr. G. N. Narule	Asst. Prof. Dept. of Civil Engg.	
	Mr. Sahil Shah	Asst. Prof. Dept. of Computer Engg.	
	Mr. H. P. Borate	Asst. Prof. Dept. of Mechanical Engg.	
	Mr. R. S. Tarade	Asst. Prof. Dept. of Electrical Engg.	
6	Mr. R. H. Ambole	Secretary, Alumni Association, VPKBIET	Member, Alumnus
7	Mr. Dhananjay Jamdar	President: Baramati chamber of commerce & Industry, CMD: Enforce Engg. Solutions Pvt.Ltd.	Member, Industry
8	Mr. Praful Taware	NGO Member Social worker	Member, Community Service
9	Mr. Onkar Jagdale	Student, T.E. Mechanical Engg.	Members
	Ms. Akanksha Mishra	Student, T.E. E&TC Engg.	



*S. B. Lande*

**Principal**  
Vidya Pratishthan's  
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**Vidya Pratishthan's Kamalnayan Bajaj Institute Of Engineering and Technology, Baramati**  
Academic Calendar : Academic Year 2017-18  
Semester-I

Mon	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T								
JUN			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
JULY					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
AUG		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
SEP				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
OCT					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
NOV		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
Dec			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				

**Commencement & Conclusion of Semester - I**

15-Jun-17	Commencement of Term : S.E./T.E./B.E.
1-Jul-17	Commencement of term : M.E. II Year
18-Oct-17	Conclusion of Teaching : S.E./T.E./B.E. Year
20-Oct-17	Conclusion of Teaching : M.E. II Year
18-Oct-17	Conclusion of Term : S.E./T.E./B.E.
28-Oct-17	Conclusion of Term : M.E. II Year

**SIP**

Group	DEPT	A	B	C	D	E	F	Date
G1	Elect							A 24-26 June 2017
	Mech	M1	M1	M2	M2	M3	M3	B 08-09 July 2017
G2	Civil							C 22-23 July 2017
	Comp	M3	M3	M1	M1	M2	M2	D 12-13 Aug 2017
G3	IT							E 09-10 Sept 2017
	E&TC	M2	M2	M3	M3	M1	M1	F 23-24 Sept 2017



  
**Principal**  
 Vidya Pratishthan's  
 Kamalnayan Bajaj Institute of  
 Engineering & Technology, Baramati  
 Vidyanagari, Baramati-413133

**University Examination**


Activity	Year	From	To
In-semester Examination	TE/ BE	08-Aug-17	12-Aug-17
Practical/Oral/Proj Examination	SE/ TE/ BE	24-Oct-17	09-Nov-17
Practical Examination	ME -II Year	30-Oct-17	06-Nov-17
Theory Examination	SE/ TE/ BE	14-Nov-17	11-Dec-17
Theory Examination	*FE	01-Dec-17	11-Dec-17

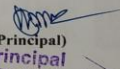
**Workshop & Industrial Visits**

Activity	From	To
Workshop	14-Aug-17	19-Aug-17
Industrial Visit-I	10-July-17	15-July-17
Industrial Visit-II	11-Sept-17	18-Sept-17

**Holidays**

Date	Holiday
26-Jun-17	Ramzan -Id (Id-UI-Fitar)
15-Aug-17	Independence Day
25-Aug-17	Ganesh Chaturthi
02-Sep-17	Bakri - Id (Id-UI-Zua)
30-Sep-17	Dasara
02-Oct-17	Mahatma Gandhi Jayanti
*19/10/2017	Diwali



  
**(Principal)**  
**Principal**  
 Vidya Pratishthan's  
 Kamalnayan Bajaj Institute of  
 Engineering & Technology, Baramati  
 Vidyanagari, Baramati-413133



**Event :Alumni Meet****Date : 16/09/2017****Venue:** Institute of Engineering Hall, Shivajinagar, Pune**Alumni Present: 40****Total Feedback Received: 25**

Sr. No	Particular	Feedback		
		Agree	Sometimes	Disagree
1	Do you feel proud to be associated with VPKBIET	25	1	0
2	Willing to contribute in Developing VPKBIET	21	5	0
3	Like to Join Alumni Association	24	2	0
4	Hospitality after Pass out by VPKBIET	17	7	1
5	Receiving Updated regularly about VPKBIET	8	10	8

This feedback analysis shows that the Alumnus are ready to associate with VPKBIET and they are willing to help our Institute by means providing help in Training and Placements.

**Event : Parent Meet (FE)**

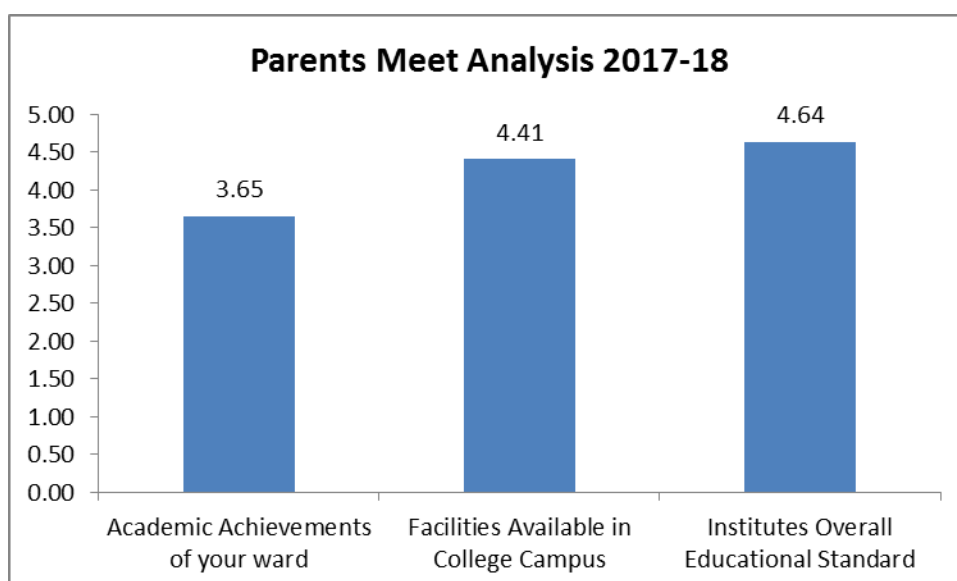
**Date :18/03/2018**

Venue: VPKBIET, Conference Hall.

**Total Parents Attended: 90**

**Total Feedback Received: 71**

Sr. No	Particular	Average			Rating
1	Academic Achievement of student	3.64			
2	Institutes Overall Educational Standard	4.43			
3	Facilities available in campus (Mess, Hostel, Ground, Gymnasium, Internet etc.)	4.63			
4	Parents interest to send student for higher education through our institute international education program.	Yes	No	Not Answered	
		25	9	36	
5	Parents willing to pay additional charges for program like communications skill, soft skill, personality development, Language/ software training program etc.	Yes	No	Not Answered	
		57	1	13	



**EVENT: Student Feedback (AY: 2017-18)**

Total Feedback Received (Theory): 785

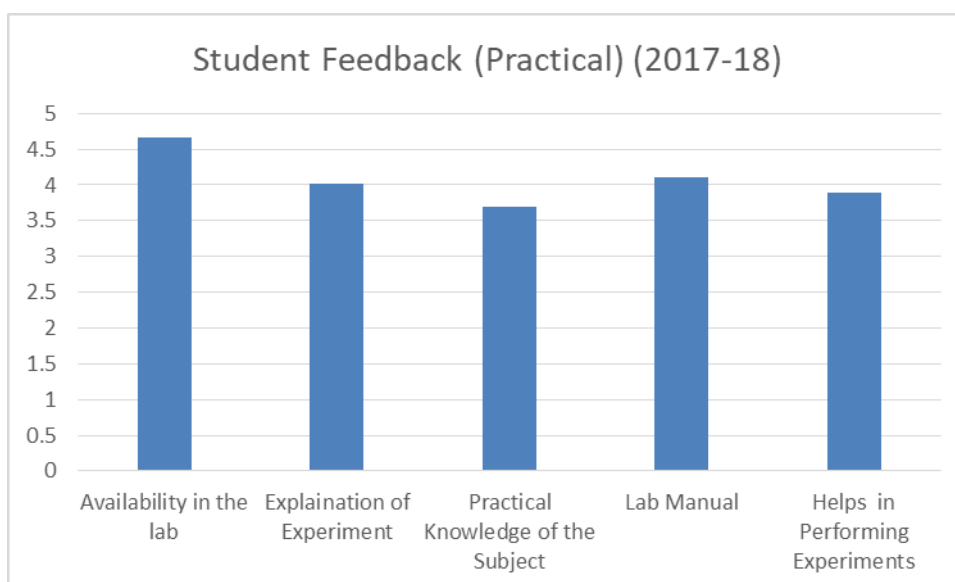
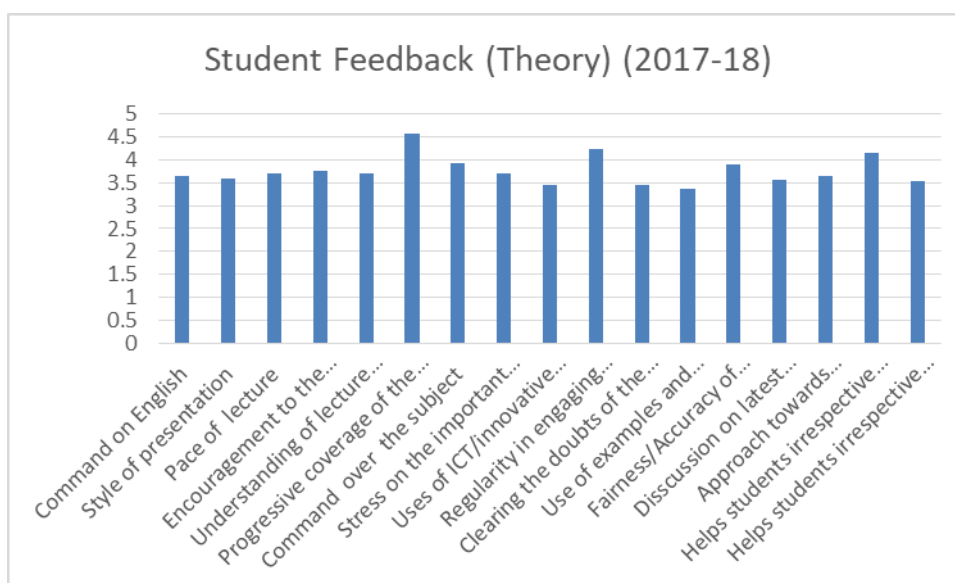
Total Feedback Received (Practical): 721

***THEORY FEEDBACK***

<b>A</b>	<b>COMMUNICATION SKILLS</b>	<b>AVERAGE</b>
A.1	Command on English	3.63
A.2	Style of presentation	3.60
A.3	Pace of lecture	3.71
A.4	Encouragement to the students to participate in the class	3.75
<b>B</b>	<b>SUBJECT SKILLS</b>	
B.1	Understanding of lecture delivered	3.56
B.2	Progressive coverage of the syllabus	3.91
B.3	Command over the subject	3.69
B.4	Stress on the important points wherever necessary	3.44
B.5	Uses of ICT/innovative teaching methods	3.72
B.6	Regularity in engaging classes	3.45
B.7	Clearing the doubts of the students	3.37
B.8	Use of examples and illustrations to explain the concepts and principles	3.89
B.9	Fairness/Accuracy of evaluation of exams/assignments	3.57
B.10	Discussion on latest industrial/research updates linked with the subject	3.65
<b>C</b>	<b>COUNSELLING:</b>	
C.1	Approach towards developing professional skills among students	3.53
C.2	Helps students irrespective of ethnicity and culture/background	3.49
C.3	Helps students irrespective of gender	4.12

## D. PRACTICAL FEEDBACK

D.1	Availability in the lab	4.67
D.2	Explanation of Experiment	4.01
D.3	Practical Knowledge of the Subject	3.69
D.4	Lab Manual	4.10
D.5	Helps in Performing Experiments	3.90



## **Best Practice–I**

### **1. Title of the Practice**

NPTEL (National Programme on Technology Enhanced Learning) Online Certification Courses:  
A move to enhance the technical strength of students.

### **2. Goal**

The goals of offering NPTEL Online Certification Courses at Institute are as follows:

1. To inculcate ability of self-learning in students.
2. To impart sound technical knowledge into principal stakeholders of Institute i.e. students and faculty.
3. To groom students with innovative trends in the field of engineering.
4. To help students in preparing competitive exams like GATE.

### **3. The Context**

Engineering students face challenge of proving their technical competencies. As the competition for job is becoming more intense, students have to gain technical expertise in specific areas. Industry demands ready to use resources means they demand students from Institute who can start project assignments without undergoing any training. To bridge the gap between the industry demands and university curriculum, Institute should invest time in students to make them technically compatible and employable. NPTEL online courses strive to provide excellent technical knowledge through video lectures of IIT professors. Quality lectures by recognized speakers and Institutes help students to make basic fundamentals of domain area crystal clear.

### **4. The Practice**

NPTEL announces the commencement of different online courses every semester. NPTEL introduces more than 120 online courses for aspirants. Institute has formed local chapter of NPTEL. Special Point of Contact (SPOC) performs following activities:

1. Registration of candidates to course.
2. Communicating the schedule of course and online examination to candidates.
3. Getting sanctions on concessions for online certification.
4. Communicating result and dispatching certificates to candidates.

After the start of course, instructor of course uploads video lectures for candidates. Based on the content of video lecture, candidates solve quiz and assignments. Assignments are evaluated weekly. Course progression of candidate is monitored on regular basis by mentor. Online forum of candidates all over India is formed to share views, ask queries about the topic elaborated in video lecture. Cumulative result of assignment and online examination is announced after the course completion. Candidates appreciated for their special achievement. Candidates are honoured with certificates from NPTEL according to final accumulative score. The different types of certificates offered are Elite+Gold Medal, Elite and Course certification certificate as per the score.

Institute has a dedicated server for storage of all NPTEL Course Videos. This server “Local Guru” provides a facility of offline video streaming of all NPTEL Courses in the college campus.

### **5. Evidence of Success**

Institute has successfully completed two phases of NPTEL online courses. More than 500 candidates including students and faculties have enrolled for different courses. 77 candidates have successfully completed the certification. 54 candidates appreciated with Elite certificates. Technical content of video lectures belonging to IIT instructors is worth of quality. Candidates get benefited from NPTEL online course by means of strengthening their basic fundamentals of particular topics from different subjects, scoring good in GATE exam. Candidates solve assignments and quiz independently referring video lectures indicates improved pace of self-learning. Students gained confidence in facing technical interviews.

## **6. Problems Encountered and Resources Required**

In order to reserve time for this activity in busy schedule, students and faculty have to take extra efforts.

### **Best Practice-II**

#### **1. Title of the practice:** Best out of Waste

#### **2. Objective of the practice:**

All the departments are striving for excellence in skill based learning. To serve this purpose, various departments incorporated the use of Models prepared with the scrap materials as an efficient tool in teaching methodology with following objectives:

- To develop creativity amongst the students.
- To improve teaching methodology
- To impart knowledge to the students with practical applications.
- To help students to understand the theoretical concepts with prototype models.

#### **3. The context:**

The staffs get an easy way to teach theoretical concept pertaining to various Engineering subjects and various laws as well as principles related with the technical processes. During practical hours, staff also gets an opportunity to perform experiments based on the concepts learned in classrooms with the use of models. Moreover, the problems encountered in the class and laboratory during the transformation of technical knowledge to the students is resolved effectively. Hence, the use of Models prepared with scrap materials in teaching process as a regular practice has taken an initiative to promote innovation on small scale amongst the students.

#### **4. The practice:**

Various departments encourage and support faculties for use of models made up from scrap materials. As per curriculum of SPPU, Pune, the generated models are used by faculties to effectively explain any fundamental concept in engineering. It further helps students to understand fundamental laws and principles with respect to particular subject. The students and staff get contentment in understanding the concepts as well as develop cordial relationship for small innovations. Department of Civil, Mechanical and Electrical Engineering in particular are actively adapting this practice.

#### **5. Evidence of success**

1. Staff and students of the departments like Civil Engineering, Electrical Engineering are getting inspiration to participate in model making competitions at various levels.
2. Staff encourages students to take projects for utilization of waste material in various practices.
3. The staff and students are made aware about the recycling of waste materials to save environment from degradation.
4. Students participate in various technical events along with their designed models using scrap materials on regular basis.
5. Students spread messages to the society through poster presentation competitions to save environment and to develop creativity amongst the student community.

#### **6. Problems encountered and resources required:**

1. Handling of models is without any damage and breakage is essential. Care need to be taken while handling all such created models.
2. Designing of model depends on interest and involvement of faculty and students