Annual Quality Assurance Report (AQAR)

2016-17

Shree Warana Vibhag Shikshan Mandal's

Tatyasaheb Kore Institute of Engineering and Technology, Warananagar

Submitted to

National Assessment and Accreditation Council

Submitted By

Tatyasaheb Kore Institute of Engineering and Technology

Warananagar, Tal. Panhala, Dist. Kolhapur – 416 113, Maharashtra (India)

Website: http://www.tkietwarana.org

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Part – A

The Annual Quality Assurance Report (AQAR)

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

> 2016-17

1. Details of the Institution

1.1 Name of the Institution

> Tatyasaheb Kore Institute of Engineering and Technology, Warananagar

1.2 Address Line 1

> Nearer to Tatyasaheb Kore Co-operative Sugar Industry, College Road

Address Line 2

> Tatyasaheb Kore Vidyanagari

City/Town

> Warananagar

State

> Maharashtra

Pin Code

> 416113

Institution e-mail address

> principal@tkietwarana.org

Contact Nos.

> 02328-2242012

Name of Head of the Institution

> Dr. S. V. Anekar

Tel. No. with STD Code:

> 02328-2242012

Mobile:

> +91 7798885025

| Name of the IQAC Co-ordinator: | Prof. G. S. Kamble |

| Mobile No: | +91 9822807615 |

| IQAC e-mail address: | gskmech@tkietwarana.org |

1.3 NAAC Track ID *(For ex. MHCOGN 18879)*

OR

1.4 NAAC Executive Committee No. & Date: EC(SC)/18/A&A/107.1 dated 05-11-2016

(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: www.tkietwarana.org

Web-link of the AQAR: http://www.tkietwarana.org/AQAR2016-17.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.27	2016	5 years
2	2nd Cycle	----	----	----	----
3	3rd Cycle	----	----	----	----
4	4th Cycle	----	----	----	----

1.7 Date of Establishment of IQAC: 11/08/2015

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

    i.   AQAR _____ _____ (DD/MM/YYYY)
   ii.   AQAR_____ _____ (DD/MM/YYYY)
  iii.   AQAR_____ _____ (DD/MM/YYYY)
  iv.   AQAR_____ _____ (DD/MM/YYYY)

1.9 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 [√]

1.10 Type of Faculty/Programme

     Arts [ ]   Science [ ]   Commerce [ ]   Law [ ]   PEI (Phys Edu) [ ]

     TEI (Edu) [ ]   Engineering [√]   Health Science [ ]   Management [ ]

     Others   (Specify) [.   ]

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

Shivaji University, Kolhapur (M.S.)

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

Autonomy by State/Central Govt. / University | Nil

University with Potential for Excellence | Nil | UGC-CPE | Nil

DST Star Scheme | Nil | UGC-CE | Nil

UGC-Special Assistance Programme | Nil | DST-FIST | Nil

UGC-Innovative PG programmes | Nil | Any other (*Specify*) | Nil

UGC-COP Programmes | Nil

2. IQAC Composition and Activities

2.1 No. of Teachers 5

2.2 No. of Administrative/Technical staff 6

2.3 No. of students 1

2.4 No. of Management representatives 2

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 1

2.9 Total No. of members 18

2.10 No. of IQAC meetings held 4

2.11 No. of meetings with various stakeholders No. | 20 | Faculty | 4 |

Non-Teaching Staff Students | 4 | Alumni | 2 | Others | 10 |

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

If yes, mention the amount | Nil |

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 4 | International | -- | National | -- | State | -- | Institution Level | 4 |

(ii) Themes | Awareness about NAAC /NBA Accreditation processes |

2.14 Significant Activities and contributions made by IQAC

[1] Formation of R &D Cell

[2] Application for NAAC sponsored workshop

[3] Introduction of Bench marking system

[4] Yearly plan for Placement and Training activity.

[5] Application for Permanent affiliation

2.15 Plan of Action by IQAC/Outcome

The of action plan 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 Actions	Achievements
Academic Calendar for Semester-I &II	Attached in Annexure-I
Yearly feedback from Alumni, parents, employer and students	Feedback taken and analysis is carried out.
Application for Ph.D. Centre in Chemical Engineering	University sanctioned the centre.

Application for NAAC sponsored workshop	Waiting for the sanction.
Application for Permanent affiliation	Two departments got permanent affiliation and Three departments got affiliation for 3 years.

* Attached the Academic Calendar of the year as **Annexure -II**

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

Management √   Syndicate ☐   any other body √   (Local Management Committee)

Provide the details of the action taken

IQAC recommendations are approved and suggestions from management are also incorporated.

Criterion – I

Curricular Aspects

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Part – B

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Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	Nil	Nil	Nil	Nil
PG	04	Nil	04	Nil
UG	05	Nil	05	Nil
PG Diploma	---	---	---	---
Advanced Diploma	---	---	---	---
Diploma	---	---	---	---
Certificate	---	---	---	---
Others	---	---	---	---
Total	**09**		**09**	
Interdisciplinary	---	---	---	---
Innovative	---	---	---	---

1.2 (i) Flexibility of the Curriculum:

[1] The institute is affiliated to the Shivaji University, Kolhapur for all programs. Therefore the curriculum is designed and prepared by the Board of Studies of respective program of University by appointing the panel of experts. The revision of syllabus is done after every four years.

[2] The faculty from institute always involve in this work in association with Shivaji University. As the entire curriculum is controlled by the body of University, the institute has very less scope to modify the curriculum of program. Institute does not

have autonomy in this regard. All programs have to walk on path shown by University Curriculum.

But University has taken enough care about flexibility of curriculum at address the present trends of society and industries as well as to enhance the employability of graduates.

Institute is contributing in enhancement of quality of curriculum by providing the maximum number of elective subject to the final year students of all programs. The list of elective offered by Institute for last year is given below.

Sr. No.	Department	No. of Elective offered by university	No. of Elective Taken by Department
1	Mechanical Engineering	16	05
2	Chemical Engineering	18	05
3	Civil Engineering	30	09
4	Computer Science and Engineering	06	04
5	Electronics Engineering	20	04
Total		**90**	**27**

- Details about elective subject is given in **Annexure – III**

[3] Institute has constituted Department Advisory Board (DAB) in every department which are always busy to look after the curriculum and its execution. DAB finds the gap between the curriculum and need of students and suggest the some training programs for students. The department will organize these tanning programs or expert lectures to fill the gap.

[4] To create awareness about the Environment among the students, all second year students have to undergo the learning of ENVIRONMENTAL STUDIES subject as per the Curriculum.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	All *Five programs of UG* and *Four Programs of PG* are following Semester pattern. There are two semesters in an academic year.
Trimester	---------
Annual	---------

1.3 Feedback from stakeholders* Alumni $\boxed{\surd}$ Parents $\boxed{\surd}$ Employers $\boxed{\surd}$ Students $\boxed{\surd}$

(On all aspects)

Mode of feedback   :   Online $\boxed{}$ Manual $\boxed{\surd}$ Co-operating schools (for PEI) $\boxed{}$

Note: Detail analysis of feedback taken for all stake holders has been given in **Annexure - IV**

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

For *academic year 2016-17,* there was no any revision or update of syllabus by university as well as by Institute.

For effective implementation of syllabus during academic, the institute has taken the teaching methodology workshop for different subjects of all programs.

Also faculty from Computer Science & Engineering, Chemical engineering and Electronics Engineering were deputed for such programs in other institutes or in university.

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

Nil

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Criterion – II

Teaching, Learning and Evaluation

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Department	Total	Asst. Professors	Associate Professors	Professors	Others
Applied Science	17	13	03	01	----
Mechanical Engineering	40	37	01	02	----
Chemical Engineering	12	05	05	02	----
Civil Engineering	41	37	02	02	----
Computer Science and Engineering	32	31	01	----	----
Electronics Engineering	14	09	02	03	----
Total	**156**	**132**	**14**	**10**	**00**

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

> 11

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Department	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
Applied Science	03			----		----		----		----
Civil Engineering	07			----		----		----		----

2.4 No. of Guest and Visiting faculty and Temporary faculty

Department	Guest Faculty	Visiting Faculty	Temporary Faculty
Mechanical Engineering	05	02	04
Chemical Engineering	----	02	02
Civil Engineering	07	---	---
Total	**12**	**04**	**06**

2.5 Faculty participation in conferences and symposia

No. of Faculty	International Level	National Level	State Level
Attended Seminars/ Workshops	06	10	01
Presented papers	06	07	01
Resource Persons	----	----	----

2.6 Innovative processes adopted by the institution in Teaching and Learning

[1] Every department has smart class room facility to deliver the ICT based teaching environment to students. The class room has arrangement to show NPTEL video lectures of different subjects.

[2] Use of Moodle platform for conducting aptitude tests and to give assignments to students The Moodle facility helps students and faculty to share course materials of different subjects.

[3] To improve the results of First year students, fortnight tests for the subjects Engineering Mathematics, Applied Mechanics, Basic Electrical Engineering are conducted.

[4] To ensure the quality of teaching learning process academic audit are carried out in first week of every month by peer committee. The suggestions given by the peer committee will be implemented by the head of department to augment teaching learning process

[5] Feedbacks from different stake holders are taken and analysed to consider their valuable inputs for improvement in the Learning Process.

[6] Mentoring scheme for students: Batch of 15 to 20 students is assigned to Faculty as counsellor to look after students' academic difficulties as well as personal barriers. Faculty are devotedly providing guidance to students to overcome the problems and accelerate their academic growth.

[7] Different site visits are organized to students for experiential learning

[8] IIT Bombay's Spoken Tutorials, Virtual Lab Activity, MOOC, Moodle, FOSSEE facilities have been provided

[9] Established collaborative laboratory with industries and Institute.

2.7 Total No. of actual teaching days during this academic year | **90 + 90 = 180 days (Including Both Semesters)**

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

As mentioned earlier, the institute is affiliated to Shivaji University, Kolhapur. Hence university conducts the examination of all programs by following its own well defined mechanism. Institute is always liable with all rules and regulations of university examination. Following reforms that should be mentioned to highlight transparency and faithfulness of examination process

1) Students can apply for the photocopy of their answer sheet after the declaration of results and also claim for their doubts to the university. All such claims are considered by university and make the rechecking of all such papers from other faculty.

2) Online examinations have been started for all subjects of second year Computer Engineering and science. Online Examination is conducted for 50 % of total weightage of the subject

3) The results of internal examinations conducted by departments are informed to students and parents by Sending SMS to them.

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

Department	Curriculum restructuring	Curriculum revision	Syllabus development
Chemical Engineering	02	---	---
Computer Science and Engineering	----	02	02
Electronics Engineering	01	---	---
Total	**03**	**02**	**02**

2.10 Average percentage of attendance of students

Department	Average percentage of attendance of students
Applied Science	81.92
Mechanical Engineering	78.76
Chemical Engineering	78.00

Civil Engineering	80.00
Computer Science and Engineering	76.24
Electronics Engineering	82.00
Average of Attendance in percentage	**76.15**

2.11 Course/Programme wise distribution of pass percentage

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
Mechanical Engineering	203	53.20	33.00	3.94	----	90.14
Chemical Engineering	77	32.47	38.96	5.20	----	76.62
Civil Engineering	214	47.19	42.52	2.80	----	92.51
Computer Science and Engineering	196	58.77	29	1	----	88.77
Electronics Engineering	69	65	16	1	----	82

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

IQAC provides guideline to prepare the Institute as well as Department Academic Calendar before commencement of semesters. IQAC and DAB work together to execute academic calendar as per schedule and monitor all activities for effective teaching learning process.

IQAC put vigilance on teaching plan prepared by the teaching faculty for their subjects.

IQAC also prepare the schedule for Academic audit and to take feedbacks from students on teaching learning process. The analysis of audit and feedbacks are interpreted at department level by DAB. Then report, suggestions and action taken plan given by DAB are informed and submitted to IQAC.

IQAC is working with research cell of Institute to accelerate the research activities and to inculcate the culture of research in institute.

IQAC suggests some reforms to enhance the internal examination which is conducted at department level and take the follow about declaration of result of this exam.

IQAC involves in association with DAB to organize some expert lectures and training program to fill the gap of curriculum.

IQAC activities for Monitoring and evaluate teaching and learning processes are summarized below

To monitor the quality of teaching learning, the IQAC has developed the following process:

[1] Preparation of teaching plan,

[2] Scrutiny of daily lecture schedule by Principal

[3] Interaction of Principal with Divisional Representatives

[4] Feedback obtained by HODs, Coordinators

[5] Faculty member appraisals at the end of every semester.

To evaluate the quality of teaching learning, the IQAC has developed the following process:

[1] Maintaining Academic Diary,

[2] Analysis of learners' feedback about faculty members,

[3] Performance of learners in internal test and semester end examinations and overall Result Analysis,

[4] Interaction of the Principal with the faculty members to discuss feedback and results

[5] Review of academic progress at the meetings of the Local Managing Committee.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Program	Number of faculty benefitted					
	Mechanical	Chemical	Civil	CSE	Electronics	App. Sci.
Refresher courses	09	----	----	----	----	----
UGC – Faculty Improvement Programme	04	----	----	29	----	----
HRD programs	14	----	8	----	----	5
Orientation program	----	----	----	5	----	----
Faculty exchange programme	----	02	----	----	----	----
Staff training conducted by the university	----		----	2	----	----
Staff training conducted by other institutions	----	06	15	20	2	----

Summer / Winter schools, Workshops, etc.	23	----	29	31	1	2
Others	----	----	----	----	----	----

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	19	----	----	----
Technical Staff	50	----	----	----

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Criterion – III

Research, Consultancy and Extension

Criterion – III

3. Research, Consultancy and Extension

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

An institute level research committee has been formulated to guide, promote and monitor research and development initiatives of students and faculty comprising of senior faculty, academicians, industrialists and scientists from renowned organizations and institutes

Some important activities are summarized here as below

[1] Departments have applied and received funds under the schemes of MODROBS and RPS.

[2] Institute organizes National conferences for research publications of the faculty and students.

[3] Institute organizes State and National level technical events and project competitions.

[4] Six faculties have completed their Ph.D recently, while 32 faculties have registered for Ph.D. programmes and are pursuing their research work. All these faculties are motivated for their research work.

[5] A significant improvement has been observed in the presentation of papers in national and international conferences as well as publication of articles in reputed journals.

[6] The institute always supports financially to carry out following competitions such as "EUREKA" a national level paper presentation competition, "JIDNYASA" a national level project competition and Industrial Problem Solving (IPS) event.

[7] Faculty is also associated in the industry sponsored projects. Many of the final year projects are industry sponsored under the guidance of faculty members.

3.2 Details regarding major projects

	Completed	On-going	Sanctioned	Submitted
Number	Nil	03	Nil	Nil
Outlay in Rs. Lakhs	Nil	10 .00	Nil	Nil

3.3 Details regarding minor projects

	Completed	On-going	Sanctioned	Submitted
Number	Nil	01	Nil	Nil
Outlay in Rs. Lakhs	Nil	0.10	Nil	Nil

3.4 Details on research publications

	International	National	Others
Peer Review Journals	08	02	---
Non-Peer Review Journals	16	---	---
e-Journals	11	01	---
Conference proceedings	07	02	---

3.5 Details on Impact factor of publications:

Range	0.672 -6.391	Average	3.15

h-index	27	Nos. in SCOPUS	2

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

Department	Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned in Rs.	Received Amount in Rs.
Chemical Engineering	MODROBs in Advanced Chemical Reaction Engineering	2017-18	AICTE, New Delhi	148866.00	145600.00
	RPS in Effluent treatment of Dairy waste by Ultra filtration	2017-18	AICTE, New Delhi	1215000.00	973875.00
Electronics Engineering	Major projects	03 Years	AICTE, New Delhi	10 Lakh	10 Lakh
Mechanical Engineering	Projects sponsored by the University/ College	2017-18	Shivaji University, Kolhapur	10000.00	10000.00
	Minor Projects	---	---	---	---
	Interdisciplinary Projects	---	---	---	---
	Industry sponsored	---	---	---	---
	Students research projects	---	---	---	---
	Any other(Specify)	---	---	---	---
Total		**---**	**---**	**23.73 Lakh**	**21.29 Lakh**

3.7 No. of books published   i) With ISBN No. | Nil | Chapters in Edited Books   **01**

ii) Without ISBN No. | Nil |

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)   **Rs. 10000/- Research Sensitization Lead College Scheme under Shivaji University, Kolhapur**

3.10 Revenue generated through consultancy   **Rs. 261200/-**

3.11 No. of conferences organized by the Institution

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

3.12 No. of faculty served as experts, chairpersons or resource persons   **24**

3.13 No. of collaborations   International   **2**   National   **21**   Any other | Nil |

3.14 No. of linkages created during this year $\boxed{2}$

3.15 Total budget for research for current year in lakhs:

From funding agency $\boxed{\text{Nil}}$ From Management of University/College **4.5 Lakh**

Total **4.5 Lakh**

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	2
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

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

Total	International	National	State	University	Dist	College
08	04	04	Nil	Nil	Nil	Nil

3.18 No. of faculty from the Institution who are Ph. D. Guides **3**

and students registered under them **2**

3.19 No. of Ph.D. awarded by faculty from the Institution $\boxed{\text{Nil}}$

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

JRF **1** SRF $\boxed{\text{Nil}}$ Project Fellows $\boxed{\text{Nil}}$ Any other $\boxed{\text{Nil}}$

3.21 No. of students Participated in NSS events:

University level	**75**	State level	**10**
National level	Nil	International level	Nil

3.22 No. of students participated in NCC events:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.23 No. of Awards won in NSS:

University level	**01**	State level	**01**
National level	Nil	International level	Nil

3.24 No. of Awards won in NCC:

University level	**01**	State level	**01**
National level	Nil	International level	Nil

3.25 No. of Extension activities organized

University forum	Nil	College forum	Nil

NCC	Nil	NSS	Nil	Any other	Nil

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

Sr. No.	Activity Description
1	Social activities like Lek Vachwa Abhiyan, (Save the Girl Child), blood donation camps, tree plantation, Swachcha Bharat Abhiyan, Sadbhavna Doud are organized by the students

2	An awareness lecture on family planning, AIDS information, Disaster Management training in nearby villages, compuater education for primary school students, hemoglobin check-up are organized by the students.
3	Faculty members and students visit the Warana Matimand Vidyalaya (School of handicapped) and help them by donating money
4	Conduct the flag hoisting ceremony at Independence Day, Republic Day involving the NSS students, local government authorities and guests.
5	Organize events like Eureka and Jidnyasa which bring students of various colleges and give them a platform to showcase and share their technical ideas.
6	Village Adoption: The NSS unit of the institute has been working with full enthusiasm. Through this the energy of students is turned in to creative force to steer in social change by adoption of village. The computer literacy, woman awareness, health and hygiene, disaster management, plastic ban, tree plantation etc. activities are performed.

Criterion – IV

Infrastructure and Learning Resources

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	60724.80 sq. m	---	---	60724.80 sq. m
Class rooms	28	---	---	28
Laboratories	44	---	---	44
Seminar Halls	4	---	---	4
No. of important equipment purchased (≥ 1-0 lakh) during the current year.	14	17	TKIET	31
Value of the equipment purchased during the year (Rs. in Lakhs)	25431315	1818510		27249825
Others	---	---	---	---

4.2 Computerization of administration and library

[1] Admission, Examination and Library is fully computerized

[2] Most of the communication to the faculty members is through e-mail and SMS alerts

[3] Library provides Online Public Access Catalogue (OPAC) facility for students and faculty members

[4] Library provides Current Awareness Services (CAS) online and Offline

[5] Facilities for use of web based online information Resources from the Library

[6] Use of N-List of INFLIBNET programme with access to ---------- electronic Journals and ------------ electronic Books

[7] The results of university and internal examination are made available on web site and through SMS facilities.

[8] Attendances record of the student for lecture and practical are kept using Microsoft Excel sheets which are shared on Google doc.

4.3 Library services:

Description of Book	Existing		Newly added		Total	
	No.	**Value**	**No.**	**Value**	**No.**	**Value**
Text Books	53539	12729155	468	305822	54007	13034927
Reference Books	2218	5299845	-	-	2218	5299845
e-Books	103586	143187	89	-	103675	143187
Journals	51	166091	12	144448	60	286031
e-Journals	13646	66500	908	-	14554	66500
Digital Database	NPTEL 100000+	182000	NDL	Free	100000+	100000
CD & Video	4361	Free	25	Free	4386	Free
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	532	145	175 Mbps	116	107	5	30	2
Added								
Total	532	145	175 Mbps	116	107	5	30	2

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

[1] Workshop on "AngularJS Application Development" held from 2 Sep 2017 to 4 Sep 2017 by Nilesh Miskin, Cognizant, Pune

[2] One day workshop on "Spoken Tutorial (LaTex)" held by Mr. Amol. G. Patil, Mr. Sandip R. Shetake, Mr. Huchchayya M. Kelur, Department of Computer Science and Engineering, TKIET, Warananagar on 25 May 2017.

[3] Two day workshop on "Android Application Development" by Mr. Shivkumar Varma, RoboKart.com, Mumbai held from 5 March 2017 to 6 March 2017.

[4] Expert Lecture on "How to approach Software Development" by Mr. Sanjay Gulbani, M. S. from Sydney, Australia, Corporate trainer & Social Worker on 28 Feb 2017.

[5] Workshop on "Internet of Things" by Mr. Sachin Shulka, Director of SGM, Technologies, Pune is held from 26 Feb. 2017 to 02 March 2017

[6] Two day Workshop on "Web designing" by Mr. Dhanaraj Sanap, CEO, Cube Numerals 9, Pune. held from 24 Feb. 2017 to 26 Feb 2017

[7] Guest Lecture on "Career in Software Testing" by Mr. Vinod Kashid, Sr. Software Tester, Infosys IT Services, Bellevue, WA, United States of America arranged on 07 September 2016.

[8] Workshop on "Android Application Development" by Mr. Ranjit Kolkar, Assistant Professor, Department of Information Technology, Vidya Pratishthan's College of Engineering, Baramati conducted from 27 Aug 2016 to 29 Aug 2016.

[9] Expert Lecture on "Operating System Development" by Mr. Yogesh Babar, Technical Support Engineer, Red hat Linux Software Services, Pune arranged on 18 July 2016.

[10] Moodle:

Moodle Server is implemented for ICT based education.

This Moodle server is beneficial for students as well as teachers.

Approximately 1192 students and 171 faculties have registered.

[11] Campus Wi-Fi access facilities for students and staff including hostels

4.6 Amount spent on maintenance in lakhs:

i)	ICT	Rs .1843602.00
ii)	Campus Infrastructure and facilities	Rs .9626105.00
iii)	Equipment	Rs. 167653.00
iv)	Others	Rs. 2376385.00
	Total:	**Rs. 14013745.00**

Criterion – V

Student Support and Progression

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC enhances the awareness about following student services.

[1] Institute organises Induction programme for first year engineering students to create awareness about the support services such as T&P Cell, Career & Development Cell, Counselling Cell, Personality Development Cell, Entrepreneurship Development Cell and Library services.

[2] Industry Institute Interaction Cell organises effective interaction sessions with Industry Experts for the students.

[3] Departmental Students Associations organize various Technical Events to develop technical and presentation skills.

[4] Moodle services are made available for the students for supporting academic learning process. The institute also provides the information about different programmes, events, achievements of the Institute.

[5] Bulk SMS service is utilized to keep the students and parents informed about the various college activities.

[6] Institute also generates awareness about the support services through college website, prospectus and newsletters.

5.2 Efforts made by the institution for tracking the progression

[1] Student Feedback (Teaching Index / Student Satisfactory Index), Alumni Feedback & Academic Audit

[2] Institute prepares the activity calendar and accordingly track the progression

[3] Institute has teacher guardians, class teachers, mentors.

[4] Placement cell keeps the tracking of training programmes, off campus placements, progress of passed out students

[5] Alumni cell tracks the progression. Alumni meets are organised.

[6] Departments collect the information about the progression through structured questionnaire.

[7] Subject Mentors

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2458	69	-----	-----

(b) No. of students outside the state | 02 |

(c) No. of international students | Nil |

Men	No	%
	1866	**73.25**

Women	No	%
	661	**26.15**

Last Year (2015-2016)						This Year (2016-17)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1411	180	04	385	---	1980	1351	179	---	336	---	1866
584	71	---	108		763	503	66	---	92	---	661

Demand ratio | 87 .00 % | **Dropout %** | 0.90% |

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

[1] The institute has set a mechanism to inspire and support students to appear for different of competitive Exams.

[2] Institute has a networking with private trainers from Kolhapur city where trainers come down to college for delivering lectures for GRE/TOFEL exams.

[3] Counselling session and career guidance is provided to the students interested in MBA/CMAT exams.

[4] Alumni selected in Civil Services through UPSC/MPSC guides the students to crack competitive exams.

[5] The Institute gives coaching to students for MPSC/UPSC exams under "Shri Vinay Kore Competitive Examination Coaching Centre".

[6] Department wise GATE Counselling and special coaching is arranged beyond college timings.

[7] Department wise GATE counselling and coaching classes are conducted for GATE aspirants.

[8] Moodle based online Mock Tests are conducted for GATE applicants.

[9] Library provides books and e-resources for GATE and other various competitive exam preparations.

[10] Students who are interested and willing to appear in various competitive examinations are motivated by the teachers.

[11] The students qualified in these exams are felicitated in the respective departments.

No. of students beneficiaries   **450**

5.5 No. of students qualified in these examinations

| NET | 0 | SET/SLET | 0 | GATE | 60 | CAT | 3 |

| IAS/IPS etc | 2 | State PSC | 7 | UPSC | 0 | GRE/TOEFL | 3 |

5.6 Details of student counselling and career guidance

Sr. No.	Event	Date
1	Guest Lecture on "Opportunities for Engineering students for Career Building".	11th July 2016
2	Guest lecture on "IES and GATE –ASPIRANTS -2017" by ACE Academy	16th Aug 2016
3	Guest lecture on "GRE, TOEFL, IELTS" in association with CHESA	1st Aug 2016
4	Guest lecture on "Awareness Programme on Competitive Exams " by Vinayraoji Kore Career Academy in association with MESA	3rd Sept 2016
5	Guest lecture on "IES and GATE –ASPIRANTS -2017" by GATE forum by Mr. Mandar Kulkarni	1st Feb 2017
6	Guest lecture on " Engineering maths GATE – ASPIRANTS -2017" by Dr. Santiosh Desai and Prof. Namdeo Shelke	1st to 3rd Feb 2017
7	Moodle Test by CSE CDC Team for Computer science Gate Aspirants-2017	2nd and 3rd week of January 2017
8	Career Counseling sessions for F.E. students by all CDC Departmental coordinators	2nd and 3rd week of March 2017

No. of students benefitted   **600**

5.7 Details of campus placement

Branch	On campus			Off Campus
	Number of Organization Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
Civil Engineering	8	124	13	4
Mechanical Engineering	18	148	36	28
Chemical Engineering	12	67	25	15
Comp Science and Engineering	32	145	51	25
Electronics Engineering	14	61	17	10
Total	**84**	**545**	**142**	**82**

5.8 Details of gender sensitization programmes

No.	Activity	Name of the Guest	Date	Year
1	Chaitnya Mathimand School, Warana	Ladies staffs, girl students of TKIET	3rd Feb. 2017	2016-17
2	SOFT SKILL & Related activies".	Ms. Bhakti Bhadra	31st Aug. 2016	2016-17
3	Prevention of Ladies sexual harassment in work place	Dr. Mangala patil	23 Aug. 2016	2016-17
4	How to manage the FAMILY and JOB for the ladies.	Dr.Nilima Bhadbhade Madam	15th July 2016	2016-17

5.9 Students Activities

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

Sr. No.	Event	Winners
1	Lead	202
2	Zonal	110
3	Inter-Zonal	40

State/ University level | -- | **National level** | -- | **International level** | -- |

No. of students participated in cultural events

State/ University level | 1 | **National level** | -- | **International level** | -- |

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

Event	Winners
Men (Event Winner)	9
Women (Event Winner)	5
Men (Individual)	10

Women (Individual)	5
Zonal (Event Winner)	2
Individual	1
Inter-Zonal	1
Inter-University	2

Sports : State/ University level | -- | National level | -- | International level | -- |

Cultural: State/ University level | -- | National level | -- | International level | -- |

5.10 Scholarships and Financial Support

Sr. No.		Number of students	Amount
1	Financial support from institution	-	-
2	Financial support from government	-	-
3	Financial support from other sources	02	80,000/-
4	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 | 2 | National level | 10 | International level | -- |

5.12   No. of social initiatives undertaken by the students   32 [CSE Community Services)

5.13 Major grievances of students (if any) redressed: _____

SWVSM'S

T K I E T

Criterion – VI

Governance, Leadership and Management

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision of Institute

To become an academy of excellence in technical education and human resource development

Mission of Institute

[1] To develop engineering graduates of high repute with professional ethics.

[2] To excel in academics and research through innovative techniques.

[3] To facilitate employability, entrepreneurship along with social responsibility.

[4] To collaborate with industries and institutes of national recognition.

[5] To inculcate lifelong learning and respect for environment.

6.2 Does the Institution has a Management Information System

Yes. Management Information System (MIS) is used for following activities to make administrative system very smooth

[1] Monitoring the progress of Academic and Administrative Activities

[2] Works related to financial matters (purchase of equipment, software etc.)

[3] Staff attendance biometric and leave approval

[4] Library Activities

[5] At the departments, MIS is used to maintain the record of Staff achievements (Training programs conducted, Conference attended, Expert lectures conducted etc.)

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

6.3.1 Curriculum Development

Quality Improvements Strategies

[1] Board of studies (BoS) is a body in the University to formulate the curriculum. The institute has a glorious history of representation in BoS from all departments.

[2] In 2016-17, seven faculty members from this institute are nominated on the committee of faculty coordinators at the Shivaji University. These members of BoS/ CoS use the inputs collected by the institute and contribute in curriculum

development. For quality improvement, inputs are obtained by following means

[a] Interaction with the industry through R and D cell.

[b] Interaction with parents through Parent Teacher Association

[c] Interaction with academicians through workshops

[d] Suggestions from Department Advisory Boards, Program Assessment Committee

[e] Comparative study of curriculum of various universities through Open source

6.3.2 Teaching and Learning

Quality Improvement Strategies

[1] Preparation of Academic Calendar

[2] Lecture plans

[3] Course learning Objectives and Course Outcomes

[4] Lecture notes

[5] Updating the library with appropriate text books

[6] Modernization of laboratories as per the revised syllabus and technology requirements. Use of Moodle platform

[7] This platform is developed as a resource to the students. All Course related information material, model answers for tests, attendance of students, test performance of students are uploaded on the Moodle by the faculty.

[8] Monitoring students' performance through:

Internal Unit Test-I and II

Assignments, quiz, seminars and projects

[9] Monitoring the teaching Learning Process through

Feedback from students (Mid semester and end semester)

Meeting with Head of departments and the Principal.

Academic audit by peer committee

Feedback from different stake holders is considered for improvement in the Learning Process

[10] Result analysis at the end of semester examination.

[11] Addressing issues of individual student

[12] Additional classes for slow learners

[13] Personal guidance to students

[14] Extra lectures are allocated in the time table for difficult subjects.

[15] Teaching methodology workshops are conducted

[16] Lectures are conducted on prerequisite topics

[17] Expert lectures are conducted on topics related to the curriculum beyond the syllabus

[18] Course allocation to the faculty as per his/her Competency.

[19] Mentoring and guidance to junior faculty by senior/competent faculty

6.3.3 Examination and Evaluation:

Quality Improvement Strategies

[1] Two internal unit tests are conducted per semester. For the first year students, in additional, Fortnight Test and a preliminary examination are conducted.

[2] Model questions and model answers prepared by the faculty and displayed on the notice board.

[3] Timely assessment of tests is done and the result is displayed.

[4] Term work evaluation is done on Continuous basis..

[5] Theory examination and practical/oral examinations are conducted as per Shivaji University schedule.

[6] The Faculty contributes in the examination work like- question paper setting, invigilation, oral exam conduction and assessment work.

6.3.4 Research and Development:

Quality Improvement Strategies

[1] Research and Development Cell is formed to encourage Research and Development in the institute. The cell includes faculty, academicians and researchers. The cell meets once in a semester and delivers guidelines for quality improvement in R and D.

[2] The institute motivates the faculty to undertake research and developments projects under the AICTE/DST schemes such as IIPC, RPS, FDP, MODROBS etc. List of Proposal submitted for this year is given below

Title of the Programme	Title of Proposal / Project	Submitted to	Date of Submission	Amount in Rs.
Mechanical Engineering	Research Fund for Project titled "Design and Fabrication of Rotating Solar Boiler" under Research Sensitization Scheme for Undergraduate students	Lead College, Shivaji University, Kolhapur	August 2017	10000.00 Sanctioned
Mechanical Engineering	Modernization of Machine Shop	MODROBS, AICTE, New Delhi	December 2017	19,80,000 (Requested)

Civil Engineering	Experimental study of seismic behavior of unsymmetrical building by analysis and shake table test	RPS, AICTE, New Delhi	December 2017	9,80,000 (Requested)
Chemical Engineering	Modernization of Analytical Laboratory	MODROBS, AICTE, New Delhi	December 2017	22,69,500 (Requested)

[3] Well-equipped Research Labs are developed in the all departments.

[4] The institute motivates the faculty to undertake research activities through post graduate studies and doctoral studies. It motivates them to publish Research Papers by providing financial assistance and sabbatical leave.

[5] The institute motivates the students to undertake Industrial Projects and to participating in l project competitions. Financial assistance is provided by the institute for good research projects. The Institute organizes an annual JIDNYSA project and industrial problem solver competition at National Level.

[6] The institute organizes quality improvement workshops by eminent experts in the different fields.

[7] Research collaborators are identified with reputed Industries and Research Laboratories of National repute.

6.3.5 Library, ICT and Physical Infrastructure / instrumentation

Quality Improvement Strategies

Information and Communication Technologies (ICT)

[1] The institute regularly provides ICT facilities for classrooms, tutorial rooms, seminar halls Laboratories. Presently, each Department has 1Smart Classroom class room that is equipped with LCD Projector video-audio system, Wi-Fi facility and wired internet/ network facility. Each department is provided Laptops for faculty usage in interactive teaching.

[2] The institute has 100 Mbps Internet broadband facility.

[3] MOU signed with Reliance JIO for 4G Internet connectivity in campus

[4] Hardware for virtual interactive e-learning facility.

[5] The institute has adequate generator power back facility.

[6] The institute has FTP Server for resource access

[7] The moodle platform is frequently accessed by the faculty and students for carrying out academic activities.

[8] The institute has incorporated a Virtual lab server. With this, 24 x 7 online access is available to virtual labs prepared by COE, Pune and IIT institutes.

Library

[1] Central Library committee gives guidelines for improving the quality of library resource.

[2] Suggestions from students' committee for Library and IQAC suggestions are used for improvement in quality of library resource.

[3] Automation in Library management is increased (Software in Library).

[4] New books/journals are purchased every year to update the library. All faculty is involved in this process. In 2015-16, total 3091 books worth Rs 861957 were newly purchased for the central library.

[5] Each Department has its own Library facility that includes text books, project and seminar reports and papers published.

Physical Infrastructure

Two Seminar Halls are newly added for Mechanical and Computer Science department during this year.

6.3.6 Human Resource Management

Quality Improvement Strategies

[1] While recruiting the faculty and staff, the Institute adheres to the rules and regulation of Shivaji University, Kolhapur

[2] For professional development institute deputes the faculty and staff to undergo development programs outside the institute.

[3] The institute organizes Human Resource development programmes for faculty, staff and students for skill up gradation.

[4] Faculty are felicitated for their academic and research achievements.

[5] Welfare schemes are designed for the benefits of staff and students.

[6] The Institute conducts Performance Appraisal of Faculty and Staff at the end of academic year

[7] The management of the institute regularly conducts interaction meetings with faculty, staff and students to ensure healthy environment.

6.3.7 Faculty and Staff recruitment- Quality Improvement Strategies

[1] Faculty recruitment is done by following the rules and regulations of AICTE, New Delhi and Shivaji University, Kolhapur. Recruitment is based on the subject knowledge and interaction skills.

[2] For recruiting ad-hoc faculty walk-in- interviews are conducted based on course

knowledge, interaction skills and lecture demonstration.

[3] Qualified and experienced guest faculty are identified and invited to deliver expert lectures on different areas of importance.

6.3.8 Industry Interaction / Collaboration- Quality Improvement Strategies

[1] Departmental Advisory Board (DAB) includes a member from reputed Industry.

[2] MOUs signed with various industries

[3] Industry Internship programs, industry designed certification courses and Industrial training during vacation are organized for the students.

[4] Technical Orientation programs and Guest Lectures by the Industry experts are arranged for students and faculty.

[5] Many projects undertaken by the students are sponsored by industries.

[6] Alumni placed in the reputed industries are invited for interaction with the students.

[7] Entrepreneurship awareness programmes are organized for the students in collaboration with Industrialist and Bank Officers.

[8] Industrial tours are arranged to update the technical knowledge of the students.

6.3.9 Admission of Students - Quality Improvement Strategies

[1] Admission of the students is through a central process conducted by a state government body DTE (Directorate of Technical education) where students choose an institute as per their preferences. Students with higher merit seek admission to this institute due to its reputation in Academics and Placements.

[2] The institute adopts following strategies to attract quality students:

[a] Excellent Academic results in University examination.
[b] Dynamic Training and Placement activities.
[c] Advanced laboratories and library
[d] Institutional scholarships to meritorious students
[e] Encouraging extra-curricular and co-curricular activities.
[f] Maintaining Ragging-free environment
[g] The institute conducts admission process awareness programmes, counselling sessions for prospective students
[h] Some Institute level Scholarships are provided to the scholar students such as Dr. C. R. Rao Fellowship for economical backward scholar students.

6.4 Welfare schemes for

Sr. No.	Staff Cadre	Description
1	Teaching	Employees Provident Fund
		Gratuity Scheme
		Group Insurance
		Credit Society
2	Non-teaching	As mentioned above
3	Students	Govt. Scholarships
		Scholarship for Meritorious Students
		Financially Weaker Students from college and from alumni Association
		Dr. C. R. Rao Scholarship for meritorious student from financially weaker class
		Students Safety Insurance Scheme

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done   Yes   √   No

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

Yes. Academic and Administrative Audit have been conducted by the institute. IQAC prepare schedule and provide guideline to conduct these audits. The action taken plan is prepared by considering the outcomes from audit process. Institute tries to implement and follow action taken plan given by audit committee.

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	----	Yes	Internal Audit Committee
Administrative	Yes	----	Yes	Heads of the Departments

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?

The university has formed a Council of faculty to initiate examination on the basis of Choice Based Credit System. Our institute has a representation in this council.

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

Shivaji University has positive approach towards awarding autonomy to the affiliated institutes who fulfil the norms (of Permanent Affiliation).

6.11 Activities and support from the Alumni Association

The institute has registered Alumni Association. Prof. B. R. Bagane is appointed as alumni cell coordinator who looks after the all activities of this cell. Every year institute organizes the alumni meet at institute level. Large numbers of alumni participate in this meet enthusiastically and share their professional experience with faculty and present students. This cell is working in association with Training and Placement Cell and Career Development Cell. These alumni help the organization in following activities

[1] Provide alumni feedback about curriculum, teaching learning process, present scenario of industrial development etc.
[2] Delivers expert lectures by alumni for current student
[3] Help to organize the Industrial visit for student
[4] Provides some companies contact for Training and placement activities
[5] Some Institute level Scholarships have started for the scholar students such as Dr. C. R. Rao Fellowship for economical backward scholar students.
[6] Donate some equipment for the different laboratories of different department

Institute also motivate the alumni to start the alumni chapter at different location in India. These chapters organize alumni meet at different locations in year and provide some useful feedbacks to institute about curriculum development and other activities mentioned above. Details about last academic year is given below

Sr. No	Details of activity	Date and Location	No. of Alumni
1	Alumni Meet 2017	7th January 2017 TKIET, Warananagar	85
2	Alumni Meet during NAAC Peer Team Visit	06th October 2016	25
3	Alumni Meet 2016	9th January 2016 TKIET, Warananagar	100

6.12 Activities and support from the Parent – Teacher Association

Parents' meets are organised regularly. Their feedback is sought and subsequently Feedback analysis is done and critical areas are identified. Their suggestions are incorporated for improvement.

Department	Dates of Parents' meets
Applied Science	04th February 2017 for FE Students
Mechanical Engineering	12th September 2016 for B. E. Students
	04th February 2017 for SE, TE Students
Chemical Engineering	04th February 2017 for SE, TE and BE Students
Civil Engineering	04th February 2017 for SE, TE and BE Students
Computer Science and Engineering	04th February 2017 for SE, TE and BE Students
Electronics Engineering	04th February 2017 for SE, TE and BE Students

6.13 Development programmes for support staff

Various programs are conducted for Non- teaching & support staff:

[1] Induction programme

[2] English speaking programme

[3] Training for MSCIT

[4] Deputation to ITI for qualification up gradation

[5] Training on MS Word, Power point

[6] Training for Accounts staff

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

[1] Tree Plantation in the campus.

[2] Promoting Clean and green environment culture.

[3] Implementation of 'Swachch Bharat Abhiyan' in college campus.

[4] Creating awareness by conducting a rally on 'World Environment day'

[5] Promoting Paperless environment (Encouraging online record keeping)

[6] Promoting recycling of paper waste, e-waste.

[7] Inculcating eco-friendly culture in students by choosing ecological issues in various activities, poster/ presentations, competitions and other events conducted by the institute.

Criterion – VII

Innovations and Best Practices

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] **Student Wellness Centre:** This platform is given for students' overall Personality Development and handles the issues like parental pressure, guilt and common adolescent issues and etc.

[2] **Innovation and Entrepreneurship Development Cell:** Coordinator, Mr. A. R. Chougule, A unique association to motivate students to become an entrepreneur. In this academic year, 3D printer technology awareness workshop was organized for the faculty and students.

[3] **Organizing EUREKA:** A National Level Paper Presentation Competition and **JIDNYASA-** an Industrial Problem Solver competition every year.

[4] **E-waste-recycle:** It reduces E waste and reuse is properly and continuously managed by Department of System and Network.

[5] Outcome based and innovative teaching and learning methodologies practised.

[6] Memorandums of Understanding (MoUs) were signed with number of industries to share the human resource, technology and for extension activities

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

Activities carried by each department as per their activities mentioned in departmental calendar

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

[1] It was planned to create environment awareness by implying no vehicle days and tree plantation during academic year 2016-17.Accordingly on 05 September 2017, No vehicle day was planned and 54 plants planted and grown successfully by the institute.

[2] Department of Chemical Engineering conducted the value added programs on Application of ANSYS in Chemical Engineering. And Unisim Design Simulation Workshop

[3] Experts' lectures, conferences, seminar, Human Resource HR Meets and events conducted for the students by the entire department.

[4] The Department of Chemical Engineering successfully conducted HR Meets with Black and Veatch Pvt Ltd Mumbai, Emcure pharma ltd. Pune, Mallak Spaciality Chem. Mahad,

Praj Industries Ltd. Pune, Galaxy Surfactant, Mumbai,TICB, Mumbai, S.V. Engineering & Services Ltd, Walij, Aurangabad

[5] The Computer Society of India Student Branch of the institute organized number of events for the students.

[6] The Department of Mechanical organised an event Speeder 2K17 in February 2017.

[7] Under First Year Students Association Group Discussion, Debate and Pep talk competition were conducted.

[8] Every year, EUREKA 2K16- A National Level Paper Presentation Competition and JIDNYASA 2K17- An Industrial Problem Solver planned and conducted successfully.

[9] MoUs with different organizations:Rashtriya Chemicals & Fertilizers

[10] Each department organizes Parent Teacher Meet twice in every year to intimate parents about theirward progress and to make them aware about department activities. This year, it was held in the month of February 2017 and March 2017.

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

[1] Academic Audit
[2] Best Outgoing Student Award

Provide the details in annexure - V

7.4 Contribution to environmental awareness / protection

[1] Environment Awareness Rally and Tree Plantation on Foundation Day 5th September, 2017 in Warananagar Locality.

[2] The Institutes encourages faculty and students to keep the college campus plastic free.

[3] To spread a word about cleanliness, Institute supports Swachha Bharat Abhiyan, A Government of   India initiative

[4] Participated in Clean Campus Competition organised by Central Government

7.5 Whether environmental audit was conducted?   Yes   √   No

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

Strength, Weakness, Opportunities and Challenges (SWOC)- Analysis of Institute is given below

Strengths:

[1] Accreditation by NBA, New Delhi for all UG programmes for two times.

[2] Spacious campus with well-developed infrastructural facilities and conductive atmosphere for academic development.

[3] A pool of dedicated, well qualified and competent faculty committed to overall development of the institute.

[4] Excellent library facility having Titles 17324 and volumes 53008 of reference material

[5] State-of-art internet facilities with wired network and Wi-Fi connectivity throughout the campus.

[6] Very strong Industry-Institute interaction.

[7] Very good liaison with institutes of National repute.

[8] Transparent and highly participative management.

[9] A part of renowned Warana Co-Operative complex

[10] Vibrant ISTE activities.

[11] Significant representation and contribution in university bodies and authorities.

[12] Well established training and placement cell.

[13] All faculty are PG qualified, 30 faculty pursuing Ph.D. and 9 faculty are with Ph.D. qualification

[14] Very good retention of senior faculty.

[15] Very vibrant and strong alumni association. Many of our alumni are working in international and National renowned organizations.

[16] Effective teaching learning methodology.

[17] Well organized student association activities and professional society chapters to conduct extracurricular activities.

[18] Excellent sports and gymkhana facilities.

Weaknesses:

[1] Location of institute away from core cities like Pune, Mumbai, Aurangabad, Kolhapur etc.

[2] Inadequate faculty with Ph.D. qualification.

[3] The institute is affiliated to a university and hence there are constraints in updating curriculum.

[4] Inadequacy of Sophisticated equipment hampers the research and consultancy.

[5] Lack of awareness about IPR among the faculty.

Opportunities:

[1] Starting research centre for different programs.

[2] Networking and sharing facility in terms of research, curriculum and skill development with autonomous institutes.

[3] Collaboration with foreign universities for possible exchange programs.

[4] To start a continuous education programs for technical staff from industry / professional Institutes.

[5] To assist the Govt. agencies in various rural development programs by providing technical expertise and consultancy.

[6] To introduce need based training programs in the emerging areas to cater the needs of rural market.

[7] Improving the student employability through the industry oriented training programs.

[8] Fund generation through research grants and consultancy

Challenges:

[1] Lack of autonomy restricting the implementation of innovative academic programs

[2] Booming of number of new technical institutes posing challenges in retaining admission positions

8. Plans of institution for next year

[1] Recruitment of Ph. D. Faculty

[2] Preparation for Accreditation by NBA, New Delhi.

[3] Organizing Placement training programs and campus interviews for the employment of students.

[4] Organizing one National Conference per semester.

[5] Organizing workshops on recent developments on different areas of importance.

[6] Purchasing modern equipment for different laboratories.

[7] Undertaking research projects in collaboration with industries.

[8] Introducing online feedback system

[9] Applying for Institute's Permanent Affiliation to University.

Date: 27 / 03 /2018
Place: Warananagar

Prof. Kamble G. S.   **Dr. S. V. Anekar**
Coordinator, IQAC   **Principal**
TKIET, Warananagar   Chairperson, IQAC
                                                         TKIET, Warananagar

SWVSM'S

T K I E T

Annexure -I

Abbreviations

Annexure I

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

SWVSM'S
T K I E T

Annexure -II

Academic Calendar 2016-17

Tatysaheb Kore Institute of Engineering and Technology, Warananagar					
Institute Academic Calendar 2016-2017					
Semester -I					
Month	**Weeks**	**Academic Activities**	**Co and Extra Curricular Activities**	**NSS and Cultural Activities**	**Examination Activities**	**Administrative Activities**
June	**First**	-----	-----	-----	-----	-----
	Second	-----	-----	-----	-----	Admission of SE to BE Academic
	Third	Term Start for S.E. to BE & Faculty Meeting (All branches)	-----	-----	-----	
	Fourth	-----	-----	-----	-----	Admission of SE to BE with late Fee
July	**First**	-----	-----	-----	-----	-----
	Second	-----	Formation & Inaugural Function of Student Association	-----	-----	-----
	Third	-----	-----	-----	-----	-----
	Fourth	Mid-Semester Course Feedback	-----	Selection of Student for NSS	-----	-----
August	**First**	Orientation program for all F.E. Student	Formation of Student Council	-----	First Unit Test	-----
	Second	Orientation program for all PG Student	-----	Independence Day	-----	-----
	Third	Orientation program for all PG Student	Eureka Paper Presentation Competition	-----	-----	Application for University Examination
	Fourth	Orientation program for all DSE Student	-----	-----	Second Unit Test	
September	**First**	-----	-----	College Foundation day	-----	-----
	Second	-----	-----	-----	-----	-----
	Third	-----	-----	Engineer's Day	-----	-----
	Fourth	End Semester Course Feedback	-----	-----	Third Unit Test	-----

October	**First**	Term End	-----	Traditional Day	-----	-----
	Second	-----	-----	-----	University Practical Examination	-----
	Third	-----	-----	-----		-----
	Fourth	-----	-----	-----	University Theory Examination	-----
November	**First**	-----	-----	-----		-----
	Second	-----	-----	-----	-----	-----
	Third	Winter vacation	-----	-----	-----	-----
	Fourth	Winter vacation	-----	-----	-----	-----
December	**First**	Winter vacation	-----	-----	-----	-----
	Second	Winter vacation	-----	-----	-----	-----
	Third	-----	-----	NSS Camp 2016	-----	-----
	Fourth	-----	-----		-----	-----

Date and College Seal
Date: 23rd June 2016

Principal

Sr. No.	Date / Month	Activities / Event	Co-ordinator(s)
		Tatyasaheb Kore Institute of Engineering and Technology, Warananagar	
		Action Plan for Academic Calendar	
		Semester I (July 2016 – Dec 2016)	
1	10th June to 25th June 2016	Admission of SE to BE Academic Year 2016-17	Office
2	15th June 2016	Term Start for S.E. to BE & Faculty Meeting (All branches)	Dr. S. S. Joshi
3	27th June to 5th July 2016	Admission of SE to BE with late Fee	Office
4	10th July	Formation & Inaugural Function of Student Association	Prof. V N Mane
5	30th July 2016	Mid-Semester Course Feedback	Dr. S. S. Joshi / Prof. C. P Shinde
6	1st Aug 2016	Orientation program for all F.E. Student	Dr. D N Mane (App. Sci)
7	Second Week Aug 2016	Orientation program for all PG Student	Prof. P. J. Patil (Mech)
8	1st Aug to 5th Aug 2016	First Unit Test	Prof . M B Kulkarni
9	First Week of Aug 16	Formation of Student Council	Prof. S A Desai (Chem)
10	15th Aug 2016	Independence Day	Shri. B. I. Kurane / Prof S S Patil (Eln)
11	Second Week Aug 2016	Orientation program for all PG Student	Prof. P. J. Patil (Mech)
12	Third Week of Aug16	Orientation program for all DSE Student	Dr. M. S Dhuttargaon (Mech)
13	Aug Third Week*	Eureka Paper Presentation Competition	Electronics Department
14	29th Aug to 2nd Sept 2016	Second Unit Test	Prof . M B Kulkarni
15	5th Sept 2016	College Foundation day	Prof N H Shinde Prof I A Mursal
16	15th Sept 2016	Engineer's Day	Prof. A.S.Todkar (Mech) Prof. R.B.Patil (CSE)
17	19th Sept 2016	End Semester Course Feedback	Dr. S.S.Joshi / Prof C P Shinde
18	2nd Oct 2016	Term End	Dr. S.S.Joshi
19	2nd Oct 2016	Traditional Day	Prof. J.K.Shinde (Chem)
20	10th Oct 2016 Onwards*	University Practical Examination	Prof . G V Patil (CSE)
21	25th Oct 2016 Onwards*	University Theory Examination	Prof . G V Patil (CSE)
22	14th Nov to 19th Dec 2016 *	Winter vacation	Prof. P B Patil

Date: 23rd June 2016

Principal

Tatysaheb Kore Institute of Engineering and Technology, Warananagar

Institute Academic Calendar 2016-2017

Semester -I I (Dec 2016-May 2017)

Month	Weeks	Academic Activities	Co and Extra Curricular Activities	NSS and Cultural Activities	Examination Activities	Administrative Activities
December	First	-----	-----	-----	-----	-----
	Second	-----	-----	-----	-----	-----
	Third	Term Start for FE to BE Classes	-----	NSS Camp 2016	-----	-----
	Fourth	-----	-----		-----	-----
January	First	Term Start for ME	Alumni Meet			Academic Audit -1
	Second	-----	-----	-----	-----	-----
	Third			Annual Social Function		
	Fourth	-----	-----	Republic Day	-----	-----
February	First	-----	PTA Meeting	-----	-----	Academic Audit -2
	Second	-----	Mid-Semester Course Feed Back	-----	First Unit Test	-----
	Third	-----	-----	-----		Application for University Examination
	Fourth	-----	-----	-----	-----	
March	First	-----	Jidnyasa 2k17 Competition	-----	-----	Academic Audit -3
	Second	-----	-----	Women's Day	Second Unit Test	-----
	Third	-----	-----	-----		-----
	Fourth	Term End	End Semester Course Feed Back	-----	Third Unit Test	-----

April	**First**	-----	Last Date Valedictory Function of Student Association	-----	University Practical Examination	-----
	Second	-----	-----	-----	-----	-----
	Third	-----	-----	-----	University Theory Examination	-----
	Fourth	-----	-----	-----		-----
May	**First**	-----	-----	-----	-----	-----
	Second	Summer Vacation	-----	-----	-----	-----
	Third	Summer Vacation	-----	-----	-----	-----
	Fourth	Summer Vacation	-----	-----	-----	-----
June	**First**	Summer Vacation	-----	-----	-----	-----
	Second	Summer Vacation	-----	-----	-----	-----
	Third	-----	-----	-----	-----	Admission of Academic Year 2017-18
	Fourth	-----	-----	-----	-----	

Date: 19/12/2016

Principal

Tatyasaheb Kore Institute of Engineering and Technology, Warananagar			
Action Plan for Academic Calendar			
Semester II (Dec 2016 – May 2017)			
Sr. No.	**Date / Month**	**Activities / Event**	**Co-ordinator(s)**
1	9th Dec to 18th Dec 2016	NSS Camp	Shri. B. I. Kurane/ Prof S S Patil
2	19th Dec 2016	Term Start for FE to BE Classes	Prof N S Hanamapure
3	2nd Jan 2017	Term Start for ME	Prof. P. J.Patil (Mech)
4	7th Jan 2017	Alumni Meet	Prof B R Bagane
5	Third Week Jan	Annual Social Function	Prof S A Desai
6	26th Jan 2017	Republic Day	Shri. B. I. Kurane / Prof S S Patil (Eln)
7	4th Feb 2017	PTA Meeting	Prof P B Patil / Prof T S Jangam
8	6th Feb 2017	Mid-Semester Course Feed Back	Prof C P Shinde
9	8th Feb to 13th Feb 2017	First Unit Test	Prof . M B Kulkarni
10	4th March 2017	Jidnyasa 2k17 Competition	Computer Sci Dept
11	8th March 2017	Women's Day	Prof B A Chougule
12	13th to 18th March 2017	Second Unit Test	Prof . M B Kulkarni
13	20th March 2017	End Semester Course Feed Back	Prof C P Shinde
14	31st March 2017	Last Date Valedictory Function of Student Association	Prof V N Mane
15	31st March 2017*	Term End	Prof N S Hanamapure
16	10th April 2017*	University Practical Examination	Prof . G V Patil
17	24th April 2017*	University Theory Examination	Prof . G V Patil
18	1st May to 14th June 2017	Summer Vacation	Prof. P B Patil
19	10th June to 30th June 2017	Admission of Academic Year 2017-18	Office

Date 19/12/2016

Principal

SWVSM'S
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Annexure -III

Electives Offered for Final Year Students

Electives Offered for Final Year Students

❖ Civil Engineering

Sr. No.	Semester- I	Semester- II	
	Elective –I	Elective –II	Elective –III
1	Advanced Structural Analysis	Advance Concrete design	Advance Prestressed Concrete Design
2	Experimental Stress Analysis	Design Of Industrial Structure	Design of Bridges
3	Advanced Foundation Engineering	Analysis and Design of Earthquake Resisting Structure	Dynamics of Structure
4	Finite Element Method	Structural Design of Foundation and Retaining Structures	Ground Improvement
5	Open Channel Hydraulics	Pavement Analysis, Design and Evaluation	Project Planning, Economics and Financing
6	Advanced Engineering Geology	Remote sensing applications in civil engineering	Rock Mechanics
7	Transportation Infrastructure Planning and Demand Estimation	Hydrology and Watershed Management	Water Power Engineering
8	Solid Waste Management	Site investigation methods and practices	Advance Construction Techniques
9	Human Resource Development	Entrepreneurships	Optimization technique

❖ Chemical Engineering

Sr. No.	Semester- I	Semester- II	
	Elective –I	Elective –II	Elective –III
1	Petroleum Refinery Engineering	Bio-Chemical Engineering	Energy Conservation And Recovery
2	Bio-Technology	Petrochemical Technology	Polymer Reaction Engineering.
3	Introduction To Cryogenic Engineering	Computer Aided Design	Pharmaceutical Technology-II
4	Pharmaceutical Technology – I	Distillation	Multiphase Reactor Design
5	Optimization Technique In Chemical Engineering	Enterprise Resource Planning	Mass Transfer With Chemical Reaction
6		Artificial Intelligence In Process Engineering	
7		Membrane Separation Process And Design	
8		Nuclear Engineering	

❖ Computer Science & Engineering

Sr. No.	Semester- I	Semester- II
	Elective –I	Elective –II
1	Soft Computing	Data Mining
2	Project Management	Ad hoc Networks
3	Cyber Laws	Business Intelligence System

❖ Electronics Engineering

Sr. No.	Semester- I	Semester- II
	Elective –I	Elective –II
1	Fiber Optic Communication	Broad-band Communication
2	Satellite Communication	Wireless Communication Network
3	Biomedical Instrumentation	Biomedical Control & Instrumentation
4	Low Power VLSI Design	CMOS VLSI Design
5	High Speed Digital Design	Advanced Digital Signal Processors
6	Digital Image Processing	System On Chip
7	Real Time Systems	Mechatronics
8	Robotics	Process Instrumentation
9	Advance Control Engineering	Neural Network & Applications
10	Fuzzy Logic & Applications	

❖ Mechanical Engineering

Sr. No.	Semester- I		Semester- II	
	Elective –I	Elective –II	Elective –III	Elective –IV
1	Experimental Mechanics	Total Quality Management	Production Management	Industrial Automation & Robotics
2	Noise & Vibration	Nano Technology	MEMS	Enterprise Resource Planning

3	Automobile Engineering	Industrial Product Design	Machine Tool Design	Cryogenics
4	Jigs and Fixture Design	Human Values And Professional Ethics	Computational Fluid Dynamics	P.L.C. & SCADA Programing

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Annexure -IV

Feedback Analysis

Format of Student's Feedback Form

Tatyasaheb Kore Institute of Engineering & Technology, Warananagar

STUDENT FEEDBACK FORM (Faculty Performance)

Name of the Teacher : Patil S. G. Date : 30/07/2016

Class : S.E. A

Subject : Applied Thermodynamics

Institute is committed to achieve high standards of excellence in education of engineering and technology. For many years students have assisted the faculty to improve their performance. This evaluation is to be totally anonymous. You are kindly requested to give your feedback regarding the performance on various parameters given below on a scale from 1 to 4. Please (✓) Mark at appropriate column. This will help us to improve our system.

Sr. No.	Attribute	Performance Level	1	2	3	4	Remarks / Suggestion
1.	How are the classes engaged	1. Irregularly 2. Some time irregular 3. Generally regular 4. Always regular			✓		
2.	Are you satisfied with the progress of the syllabus	1. Totally unsatisfied 2. Stratified to some extent 3. Satisfied 4. Totally Satisfied			✓		
3.	Do you understand the Subject ?	1. Not at all 2. To some extent 3. Good enough 4. In all respects		✓			
4.	Is the teacher capable of controlling the class ?	1. Poor control 2. Fair control 3. Adequate control 4. Good control			✓		
5.	Does the teacher involve students during lectures	1. Never 2. Rarely 3. Usually 4. Always			✓		
6.	Is your teacher proficient in English ?	1. Poor 2. Average 3. Good 4. Excellent		✓			
7.	Is the teacher audible	1. Poor 2. Average 3. Good 4. Excellent		✓			
8.	How is his teaching in general ?	1. Boring 2. Monotones 3. Good 4. Interesting			✓		
9.	How do you rate the overall performance of your teacher	1. Poor 2. Fair 3. Good 4. Excellent			✓		

What are the specific expectations from your teacher for the improvement of result in the subject ?

Good explanation of concept But take more numerica

Any additional comments on the performace of your teacher ?
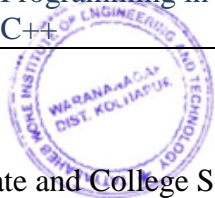
— No —

Students' Satisfactory Index (SSI)

$$= \frac{(4 \times \text{Tick to } 4) + (3 * \text{Tick to } 3) + (2 * \text{ticks to } 2) + (1 * \text{tick tp } 1)}{0.36 \ x \ Number \ of \ Feedback \ forms}$$

Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
ACTION TAKEN REPORT BASED ON FEEDBACK
Academic Year 2016-17, (Sem.-I)

Department: Mechanical Engineering **Academic Students' Feedback : 1**

Class: SE, Div : A

Sr. No	Subject	Student Satisfactory Index (SSI)	Strengths	Remarks for Improvements	Action Taken by HOD
1	Applied Thermodynamics	98.14	1) Strong subject knowledge 2) Good explanation	Nil	---
2	Fluid Mechanical	81.07	1) Good explanation	Nil	---
3	Metallurgy	83.12	Nil	1) Need to reduce delivery speed 2) More explanation is required	Discussed with Subject Teacher. He will take care about the remarks.
4	Machine Drawing-I	84.08	1) Subject knowledge is good	Nil	---
5	Maths-III	97.59	1) Good subject knowledge	1) Need to increase delivery speed	---
6	Electrical Tech.	96.42	Nil	1) More number of practical's expected	Two extra will be conducted for students.
7	Computer Graphics	93.92	Nil	1) Scope for more explanation	More practicals will be conducted for students for extra practice.
8	Computer Programming in C++	97.22	Nil	Nil	---

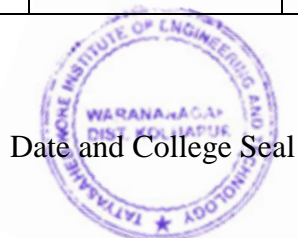Date and College Seal   Head, Dept. of Mech. Engg   Principal

Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
ACTION TAKEN REPORT BASED ON FEEDBACK
Academic Year 2016-17, (Sem.-II)

Department: Mechanical Engineering

Academic Students' Feedback : 1

Class: SE, Div : A

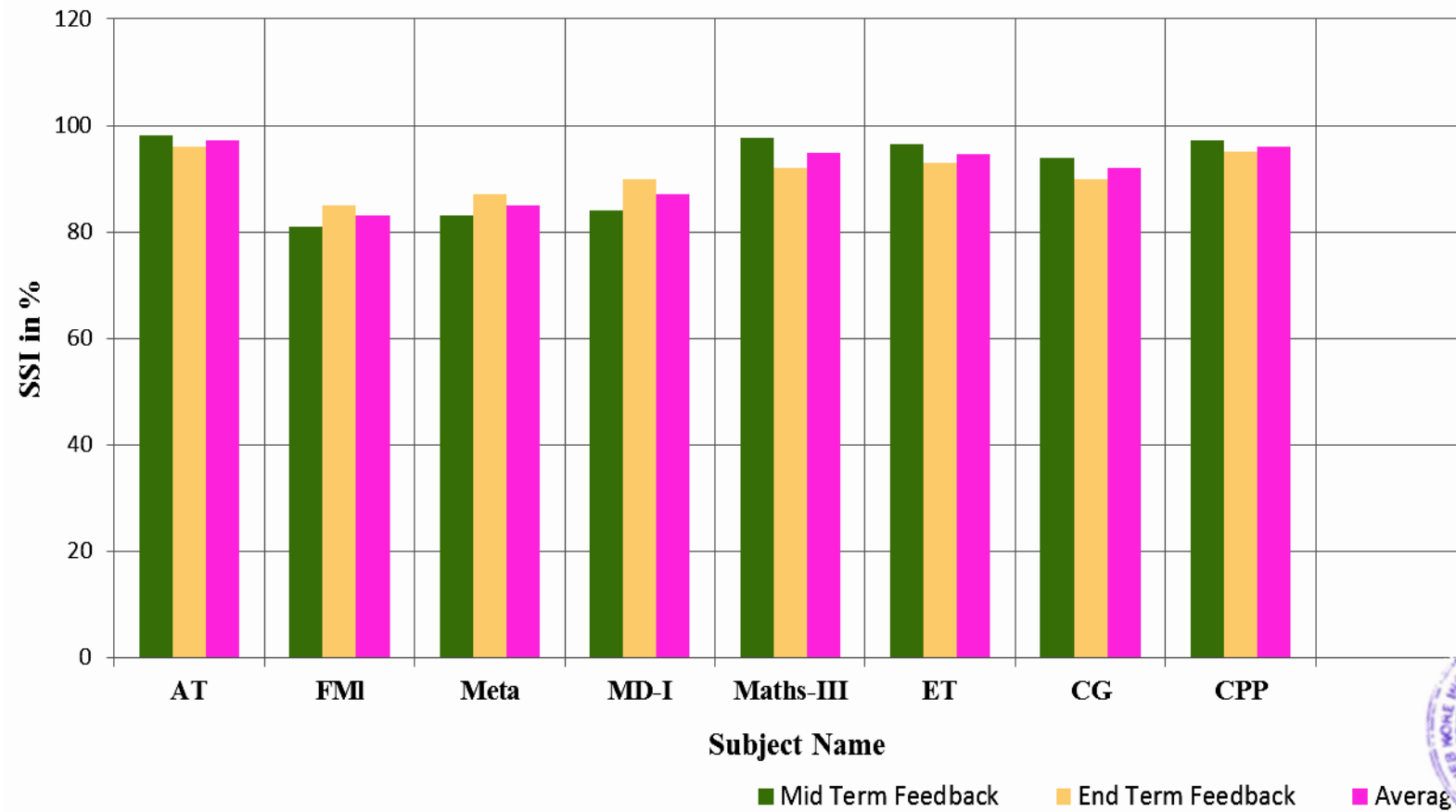| Sr. No	Subject	Student Satisfactory Index (SSI)	Strengths	Remarks for Improvements	Action Taken by HOD
1	Applied Numerical Methods	96.00	1) Good Explanation 2) Interactive lectures	More examples are required	Informed to subject teacher and suggested to take more problem
2	Fluid and Turbo Machinery	99.00	1)Subject Knowledge is good 2)Good explanation	Industrial visit is required	Industrial visit will be arranged
3	Analysis of Mechanical Elements	90.10	Nil	1) Need to reduce delivery speed	Discussed with Subject Teacher. He will take care about the remarks.
4	Machine Tool and Process	85.6	1) Subject knowledge is good	Nil	---
5	Theory of Machines	88.5	1) Good planning of lecture	1) Take exam related problem	---
6	Workshop Practice	90.65	Nil	Nil	Two extra will be conducted for students.

Date and College Seal

Head, Dept. of Mech. Engg

Principal

Tatyasaheb Kore Institute of Engineering and Technology, Warananagar

Mid Term and End Term Feedback Analysis
Class: S. E. Mechanical **Div**. A

Academic Year: 2016-2017 **Semester** - I

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Annexure -V

Best Practices

A) Best Practice No.1:

1) Title of the Practice: Academic Audit

2) Goal:
[1] To receive an oral feedback from students about the academics endeavors done by the teacher in classrooms
[2] To create a smooth and easy communication between students and teachers.
[3] To create an opportunity to teachers to strengthen their teaching skills.
[4] To get inputs from students for the better teaching-learning process and overall development of the students.

3) The Context:
Unarguably, Teachers plan for the courses they engage for the semester. But sometimes they might give a miss on how to deliver a particular topic effectively to students. In most of the cases, though the teacher is competent, talented and sincere, his contribution for imparting the topic goes without any outcome. Hence, it becomes essential to bring such issues into the notice of the concerned teacher so that he/she could implement required changes into his/her teaching methodology. That's why Academic Audit (AA) should not be taken to find the faults of faculty, students and teaching –learning process. In fact, it should be conducted to find the gaps and opportunities to enhance the quality of the teaching learning process.

4) The Practice:

[1] Academic Audit is conducted on First Monday of every academic month of the semester.
[2] The feedback is taken by Auditor/Assessor of other department. The central Audit coordinator sends notices in the last week of every month to Heads of the Departments and coordinators regarding the audit activity and also for generating reports and sending them to the Principal and the Heads of the Departments. The class coordinators look after the activity for the smooth conduction.
[3] Auditor/ Assessor should make the observations about the process as third person without biasing to strength the processes. The feedback form mainly covers teaching-learning aspect. Students are encouraged to give comments about academics without any pressure.
[4] Immediately after the Academic Audit, Auditor submits the report to the HoD mentioning the strengths and weaknesses of the teachers. And the compile report of the audit is send to the Principal for checking. Rigorous discussion is done on the reports in the HoDs meeting and accordingly they prepare an action based on students' feedback. The action plan is conveyed to the faculty members through head of the department.

5) Evidence of Success:
A teacher receives the audit for a subject based on a Academic Audit Rubric containing 07 criteria. For every criterion a teacher is indexed between 0-10. This audit helps teacher in

understanding where does he lag in academics and can make extra efforts to improve his teaching methodology.
.

6) Problems Encountered and Resources Required:

Students give suggestions in front of faculty members that can create hindrance in raising their queries and problems.

7) Future Plans:

To create software to conduct online academic audit from students this will give freedom to the students to put their points from any location.

B) Best Practice No.2:

1. Title of the Practice: Best Outgoing Student Award
2. Goal

At the end of every Academic Year Institute accolades the Best Outgoing Student of the year amongst five branches from final year students.

3. The Context

The students are expected to submit the information related to their achievements during four years of graduation. University exam merit is the major criterion for the evaluation. Along with the University merit, the students are also judged based on their Cultural, Sports, Social Activities, Seminar, Workshop attended, Paper Presentation, Campus Selection and overall attendance of the student since sem-I.

4. The Practice
Various Criteria considered for Best Student Award are as follows

Sr.no.	Particulars	Maximum Score
1	Academic Performance	30
2	Cultural Participation	05
3	Sports Participation	05
4	Seminar/Training	05
5	Campus Placement	05
6	Social Activities	05
7	Paper/Project/Quiz	05
8	Attendance	05
9	HOD Feedback	05
10	Aptitude Test	10
11	Group Discussion	10
12	Personal Interview	10
Total		100

5. Evidence of Success

This award is practiced in the Institute since 1989. The Best Outgoing Students have always undergone for higher studies in and abroad, placed in reputed multinational companies, Selected through UPSC and MPSC examinations, some of them have become Entrepreneurs and CEOs too.

Sr. No.	Academic Year	Name of the Student	Department	Achievements
1	2016-17	Mr. Swapnil Bhagat	Civil Engineering	
		Mr. Girish Gulve	Computer Science and Engineering	Tata Consultancy Services
2	2015-16	Mr. Abhinav Kamble	Mechanical Engineering	Tata Consultancy Services
3	2014-15	Ms. Manasi Takale	Electronics Engineering	Tata Consultancy Services
4	2013-14	Mr. Suhas Salunke	Civil Engineering	