

Annual Quality Assurance Report (AQAR) (1st July 2018 to 30th June 2019)

Submitted to



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, **Bengaluru - 560 072**, India



Karmaveer Kakasaheb Wagh Education Society's

**K. K. WAGH INSTITUTE OF
ENGINEERING EDUCATION AND RESEARCH, NASHIK**

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The Annual Quality Assurance Report (AQAR) of the IQAC
(For Affiliated/Constituent Colleges)

Part – A

Data of the Institution

(data may be captured from IQA)

1. Name of the Institution K. K. Wagh Institute of Engineering Education & Research, Nashik

- Name of the Head of the institution : Prof. Dr. Keshav N. Nandurkar
- Designation: Principal
- Does the institution function from own campus: YES
- Phone no./Alternate phone no.: 0253-2221302 / 2221301
- Mobile no.: 9922325471
- Registered e-mail: principal-engg@kkwagh.edu.in
- Alternate e-mail : knnandurkar@kkwagh.edu.in
- Address : K. K. Wagh Institute of Engineering Education and Research,
Hirabai Haridas Vidyanagari, Amrut Dham, Panchavati.
- City/Town : Nashik
- State/UT : Maharashtra
- Pin Code : 422003

2. Institutional status:

- Affiliated / Constituent: Affiliated
- Type of Institution: Co-education/Men/Women: Co-education
- Location : Rural/Semi-urban/Urban: Urban
- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing: Self financing
(However listed under UGC 2f and 12 (B))
- Name of the Affiliating University: Savitribai Phule Pune University, Pune
- Name of the IQAC Co-ordinator : Prof. Mrs. Tanuja N. Date
- Phone no. : 0253-2221217
- Alternate phone no.:

- Mobile: 9850832871
- IQAC e-mail address: iqac_engg@kkwagh.edu.in
- Alternate Email address: tndate@kkwagh.edu.in

3. Website address:

Web-link of the AQAR: (Previous Academic Year): Nil, since this report is first AQAR.
https://engg.kkwagh.edu.in/iqac_detail/index/190

4. Whether Academic Calendar prepared during the year? YES

If yes, whether it is uploaded in the Institutional website: YES

Weblink: https://engg.kkwagh.edu.in/academic_calender

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	3.03	2018	From : 26 th Sept.2018 to : 25 th Sept. 2023

6. Date of Establishment of IQAC: 10/11/2016

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Teacher Training on Flipped learning	13/06/2018 & 14/06/2018	32 teachers
Seminar on Copping with teenage by Dr. Shivde, Dr.Bhutada	30/06/2018	152 students
Audit Course for students on Finance for engineers by Mr.Ravindra Deodhar, Mr. Harsh Deodhar, Mr.Nilesh Salgaonkar and Mr.Pramod Puranik.	Aug. To Oct. 2018	25 students
Work Culture Workshop by - Mr.Devdatta Gokhale, GATI (Gokhale`s Advanced Training Institute)	22/09/2018	96 Supporting Staff
Lecture on Quality Awareness by Mr. Ayyaswami Sundaram	06/08/2018	63 teachers
Guidance session on Outcome Based Education by Dr. Vikas M. Phalle, VJTI, Mumbai	16/01/2019	100 teachers
NBA Guidance Session and Mock Assessment by Prof. Lingangauda Kulkarni, Hubli	08/02/2019 & 09/02/2019	50 teachers

MidSem and EndSem Teacher Feedback for all courses	17/08/2018 (Midsem) 22/10/2018 (Endsem) 25/02/2019 (Midsem) 22/04/2019 (Endsem)	Students of all classes
EndSem Technical Assistant Feedback for all courses	22/10/2018 (Endsem) 22/04/2019 (Endsem)	Students of all classes
Student Satisfaction Survey	30/05/2019	Final year students of all departments
MKCL SuperCampus Implementation for all first year classes (for Engg. Mechanics subject)	Jan. to Apr.2019	9 teachers and all first year students
Participation- I-Care project proposal	31/12/2018	---
Application for NBA of 5 Departments	21/01/2019	Chemical, Computer, Production, E&TC, Electrical
Application for NBA of 3 Departments	04/05/2019	MCA, Civil &Electronics
Participation in INDIA TODAY-MDRA Best Colleges Ranking -2019	31/01/2019	---
Academic Administrative Audit (AAA) for Sem-I	19/10/2018 to 02/11/2018	11 Departments and 9 Support sections
Academic Administrative Audit (AAA) for Sem-II	25/04/2018 to 03/05/2018	11 Departments and 9 Support sections
IQAC Meetings (02)	07/07/2019 & 22/02/2019	16 IQAC Members attended 17 IQAC Members attended
NIRF Participation	05/12/2018	---
Participation in AICTE-CII Survey	June 2018	---
National Conference on Exploring New Dimensions in Teaching Learning for Quality Education	08/06/2019 to 09/06/2019	78 papers presented

8. Provide the list of funds by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
E&TC Engg Dr.S.A.Patil & Dr.D.M.Chandwadkar	Technology Pilot for Electric Mobility (DHI-DST), Govt of India	DHI Govt. of India	2018 2 years	1,50,00,000

9. Whether composition of IQAC as per latest NAAC guidelines: YES

*upload latest notification of formation of IQAC - <https://engg.kkwagh.edu.in/iqac>

10. No. of IQAC meetings held during the year: 02

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website... YES

(Please upload, minutes of meetings and action taken report) -
https://engg.kkwagh.edu.in/iqac_detail/index/154

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? NO
12. Significant contributions made by IQAC during the current year (maximum five bullets)
- * Academic & Administrative Audit
 - * Feedback collection from all Stakeholders and Analysis
 - * MKCL SuperCampus Implementation for improvement in teaching-learning of Engg. Mechanics subject for all first year classes
 - * Teacher Training Programmes
13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Quality Enhancement of teaching learning process	1)Teacher Training on Flipped learning 2)Work Culture Workshop by - Mr.Devdatta Gokhale, GATI (Gokhale`s Advanced Training Institute) 3) Lecture on Quality Awareness by Mr. Ayyaswami Sundaram 4) MKCL SuperCampus Implementation for all first year classes (for Engg. Mechanics subject) 5) National Conference on Exploring New Dimensions in Teaching Learning for Quality Education.
Feedback Collection and Analysis	1) MidSem and EndSem Teacher Feedback for all courses 2) EndSem Technical Assistant Feedback for all courses 3) Student Satisfaction Survey
Application for NBA	1) Guidance session on Outcome Based Education by Dr. Vikas M. Phalle, VJTI, Mumbai. 2) NBA Guidance Session and Mock Assessment by Prof. Lingangauda Kulkarni, Hubli 3) 8 Departments applied for NBA NBA Committee visited twice on 16 th to 18 th Aug.2019 and 11 th to 13 th Oct. 2019. Result is awaited.
Academic Administrative Audit	Academic Administrative Audit (AAA) for Sem-I and Sem-II
Participation in Nationwide Ranking Survey	1) Platinum Institute Award in India through joint survey by AICTE-CII in 2018. 2) Participation in NIRF 3) Participation in INDIA TODAY-MDRA Best Colleges Ranking -2019

	4) Participation- I-Care project proposal
Design and Implementation of Audit Courses at Institute level	Audit Course for students on Finance for engineers by Mr.Ravindra Deodhar, Mr. Harsh Deodhar, Mr.Nilesh Salgaonkar and Mr.Pramod Puranik.

14. Whether the AQAR was placed before statutory body? YES

Name of the Statutory body: Governing Body Date of meeting(s): 14th Nov 2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

YES (2 NBA visits)

Date: 1) NBA Visit: 16th to 18th Aug.2019

2) NBA Visit: 11th to 13th Oct. 2019

16. Whether institutional data submitted to AISHE: YES

Year: 2018-19

Date of Submission: 11/01/19

17. Does the Institution have Management Information System? YES

If yes, give a brief description and a list of modules currently operational.

(Maximum 500 words)

The institute intends to strengthen the teaching learning process by adopting latest technology for blended learning. To improve the administrative procedures and working, ERP system is implemented in the institute. Information regarding student attendance, class conduction as well as staff activity record is available for monitoring. The ERP system also aids in effective administration of various activities like admissions, student information, salary and accounts, leave management, staff profiles, online examination, feedback collection etc.

Part-B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation.
Explain in 500 words

- The institute follows the curriculum and academic calendar prescribed by the university and plans for effective implementation.
- The course structure and contents of all the programmes are available on the university website.
- Before the commencement of the semester, courses are allocated to respective teachers based on their specialization, experiences and choice.
- Department wise academic calendar, activity calendar, class time table and laboratory time table is prepared.
- Faculty develops teaching plan / laboratory plan / tutorial plan as per guidelines received from the university.
- The course files are prepared / updated by respective faculty.
- Laboratory manuals / journals are prepared.
- The monthly attendance record is prepared by class coordinator and communicated to every student and their parents.
- The academic activities and progress of students are reviewed by head of the department with the help of class coordinators and corrective measures are discussed with the faculty.
- Continuous assessment of students is made with the help of rubrics developed by each faculty for laboratory course.
- The planning for project and seminar work is done at the beginning of every semester. The students are encouraged to carry out their projects in collaboration with industries.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Training on UNISIM Software	NIL	18/12/2018 to 06/04/2019 (2 hr / batch / week)	Employability	Skill development
Hands-on training on AutoCAD	NIL	30/03/2019 to 01/04/2019	Employability	Skill development
STAAD Pro	NIL	01/09/2018 to 16/10/2018	Employability	Skill development
Oracle Database, Java and Python Programming (ORACLE001)	NIL	13/1/2019 (10 Days)	Employability	Programming skills on recent technologies from industry perspective
Soft Skill Training Program	NIL	22/03/2018 to 25/03/2018 26/06/2018 to 01/07/2018 (10 Days)	Employability and Entrepreneurship	Aptitude, Communication, Personality development

1.2 Academic Flexibility			
1.2.1 New programmes/courses introduced during the Academic year			
Programme with Code	Date of Introduction	Course with Code	Date of Introduction
BE Computer Engg.		Elective IV- Open Elective-ERP	17/12/2018
BE E&TC Engg.		404184 Elective I 1. Digital Image and Video Processing 2. Internet of Things 404185 Elective II 1. Wavelets 2. Optimization Techniques 3. Electronics in agriculture 404191 Elective III 1. Machine Learning 2. PLCs and Automation 3. Audio and Speech Processing 4. Software Defined Radio 404192 Elective IV 1. Biomedical Electronics 2. Wireless Sensor Networks 3. Renewable Energy Systems	15/06/2018
BE Electronics Engg.		404204 Elective I 1. Internet of Things 2. Software Defined Radio 404205 Elective II 1. Optimization techniques 2. Computer modelling and simulation 3. Digital Signal Processor TMS320C67X 404211 Elective III 1. Automotive Electronics 2. Artificial Intelligence and Machine Learning 3. Testing and verification for SoC Design 404212 Elective IV 1. Wireless Sensor Networks 2. Renewable Energy Systems & DSM 3. TM4C123GH6PM Microcontroller	15/06/2018
BE Electrical Engg.		403144: Elective II D) Electric and Hybrid Vehicles	15/06/2018
BE IT		ELE-I : 414456 A : Wireless Communications 414456D: Multicore and Concurrent Systems 414456E: Business Analytics and Intelligence ELE-II : 414457A: Software Defined Networks 414457C: Software Testing and Quality Assurance 414457D: Compiler Construction 414457E: Gamification ELE-III :	15/06/2018

		414464C:Multimedia Techniques 414464D:Internet and Web Programming 414464E:Computational Optimization ELE-IV : 414465A: Rural Technologies and Community Development 414464C: Computer Vision 414464D:Social Media Analytics AC-V: 414461A:Emotional Intelligence 414461B: Green Computing 414461C: Critical Thinking 414461D: Statistical Learning model using R AC-VI: 414469A:IoT Applications in Engineering Field 414469B :Entrepreneurship 414469C:Cognitive Computing 414469D :AI and Robotics			
BE Mechanical Engg.		402047 Energy Engineering 402044C Heating ventilation and air conditioning 402050B Solar and Wind energy	15/06/2018		
BE Production Engg		411084 C – Data analytics 411084 D – Advanced Thermal Engineering 411085 A – Nano Manufacturing 411085 C – Additive Manufacturing 411085E – Advanced Materials 411093 A – Sustainability Engineering 411093 B – Supply Chain Management 411093 D- Entrepreneurship 411093 E – Human Resource Management 411094 E – Environmental Engineering	15/06/2018		
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.					
Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
Final Year of all UG Engg. Programmes	BE - 2015	--	15/06/2018	--	--
Already adopted (mention the year) First Year of all UG Engg. Programmes - 15/06/2015 Second Year of all UG Engg. Programmes - 15/06/2016 Third Year of all UG Engg. Programmes - 15/06/2017 MCA – 2013 MBA – 2013 ME – 2008					

1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year		
	Certificate	Diploma Courses
No of Students	79 (Training on UNISIM Software)	NIL
	31 (Hands-on training on AutoCAD)	
	140 (STAAD Pro)	
	33 (Oracle Database, Java and Python Programming)	
	56 (Soft Skill Training Program)	
1.3 Curriculum Enrichment		
1.3.1 Value-added courses imparting transferable and life skills offered during the year		
Value added courses	Date of introduction	Number of students enrolled
Soft Skill development course (Mechanical Engg.)	15/12/2018	212
Skill development course (Mechanical Engg.)	15/06/2018	205
Konfident- Soft Skill Development and Confidence Building Programme (MBA)	05/03/2019 to 09/03/2019	39
1.3.2 Field Projects / Internships under taken during the year		
Project/Programme Title	No. of students enrolled for Field Projects / Internships	
Industrial training in Chemical Engg.	142	
Internship in Civil Engg	113	
Internships in Computer Engg.	88	
Internships in E&TC Engg.	65	
Internships in Electronics Engg.	33	
PG Internships in E&TC Engg.	03	
Internships in Electrical Engg.	55	
Internships in IT Engg.	14	
Internships in Mechanical Engg.	45	
Internships in Production Engg.	38	
Internships in MCA	43	
Project (Chemical Engg.) -Ultrasound assisted Adsorption of Pesticides	02	
Project (Chemical Engg.) -Design of heat exchanger/condenser	02	
Project (Chemical Engg.) -Treatment on waste water using tertiary treatment to reduce process time	02	
Project (Chemical Engg.) -Research on Deodorization of Tyre oil	02	
Project (Civil Engg.)-Improvement of Signalised Intersection: A case study of Nashik City	05	
Project (Civil Engg.)-Identification and Analysis of Accidental Black Spots within NMC Limits	06	
Project (Civil Engg.)-Speed Breaker	06	
Project (E&TC Engg.)-Electronics approach for optimization in performance of continuously variable transmission (CVT)	03	
Project (E&TC Engg.)-Automatic wire cutting machine	03	
Project (Electronics Engg.)-Internal Thread Detection System	03	
Project (Electronics Engg.)-IOT Based Solar Cleaning System	02	

Project (Electronics Engg.)-Contactless Induction Heating using inverter	03
Project (Electronics Engg.)-Development of Rechargeable Portable AC power supply with 230V/50Hz output	03
IT -GIZ Project Collaboration - VM Auto Parts Pvt. Ltd, Nashik	04
IT- GIZ Project Collaboration - Mufront, Ambad,Nashik	03
Summer Internship Project in MBA	44

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	No	Yes	Yes	Yes

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

- The institute has formal mechanism to obtain feedback from its stakeholders.
- The suggestions are invited from alumni regarding the present contents of the curriculum based on their experience in industry.
- The programme exit survey is conducted to assess the attainment of programme outcomes.
- The employer's feedback is used to identify the areas of improvement and the gap between the institute and industry.
- The summary based on the feedback is communicated to the university through members of BOS and used for the revision of syllabus.
- Student satisfaction survey is conducted for all final year students and analyzed.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
UG Chemical Engg.	60	Data not available as the admissions are carried out by Govt. of Maharashtra (For CAP through admission)	57
UG Civil Engg. (First Shift)	60		61
UG Civil Engg. (Second Shift)	60		52
PG Civil Engg.	18		18
UG Computer Engg.	120		127
PG Computer Engg.	18		05
UG Electrical Engg. (First Shift)	63		56
UG Electrical Engg (Second Shift)	60		45
PG Electrical Engg (Power Systems)	18		13
UG E &TC Engg	60		59
UG Electronics Engg	60		38
PG. E &TC Engg	18		10

UG - IT	60	Data not available as the admissions are carried out by Govt. of Maharashtra (For CAP through admission)	62
UG Mechanical Engg (First Shift)	120		126
UG Mechanical Engg (Second Shift)	60		57
UG Production Engg.	60		36
MCA	60		54
MBA	60		60

2.2 Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-19	3779	356	187	17	18

2.3 Teaching - Learning Process

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

Number of teachers on roll	Number of teachers using ICT (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
222	158	LCD projector , Computer system , Internet/Wifi connectivity, MKCL- SuperCampus, Animated videos, NPTEL, Youtube videos by faculty, Googleforms, Google Classroom Assignments in ERP, Smart Board, Power Point, MyExamo Software, Cognifront Software for basic electronics engineering, Gate software for gate practice, Edmodo, Test Moz, MATLAB, ERP, ANSYS, FEAST, Pro-e, Systat Software	42	11	NPTEL , SuperCampus, Animated videos, Webinar, Flipped Learning, Github, Blog, Google Classroom, Moodle, Cross word activity, Matlab simulations, Etap software, You tube channels, Technical Blogs, Online simulation tools Tinker CAD, Smart Phone, MOOCS, Edmodo software

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)		
<ul style="list-style-type: none"> Mentor assigned for the group of students regularly does the counseling regarding their academic progress, poor attendance. Feedback received from the students and the discussions carried out during counseling gives an indication of poorly performing students who are probably at the risk of drop out. Mentoring sessions also help in identifying and addressing the difficulties regarding soft skills, language barriers and slow learners. Each mentor maintains an individual student record consisting of his/her profile, academic performance, attendance record, achievements etc. 		
Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
3779	222	1:17

2.4 Teacher Profile and Quality				
2.4.1 Number of full time teachers appointed during the year				
No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
201	222	Nil	49	34
2.4.2 Honours and recognitions received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)				
Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies	
2019	Dr. K. N. Nandurkar (State Level)	Principal and Professor	Community Leader Award given by PWD, Maharashtra, Maharashtra Motor vehicle department	
2019	Dr. N. B. Gurule (State Level)	Associate Professor	Community Leader Award given by PWD, Maharashtra, Maharashtra Motor vehicle department	
2019	Dr. Akbar Ahmad (International Level)	Associate Professor	Typhoon HIL 10 for 10 award 1. HIL 402 real time emulator 2. Lifetime academic package	
2018	Dr. Ravindra Munje (National Level)	Associate Professor	Outstanding Researcher Award given by Green ThinkerZ	
2018	Prof. Tanaji Kandekar (State Level)	Director, Physical Education	Best Sport Teacher Award given by The International Association of Lioness Club.	
2.5 Evaluation Process and Reforms				
2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year				
Programme Name	Programme	Semester	Last date of the last	Date of declaration of

	Code (Pattern)		semester-end/ year-end examination	results of semester-end/ year- end examination
FE	2015	I	29/12/2018	12/02/2019
SE	2015	I	13/12/2018	12/02/2019
TE	2015	I	12/12/2018	24/01/2019
BE	2015	I	11/12/2018	01/02/2019
FYMCA	2013	I	27/12/2018	15/01/2019
SYMCA	2013	I	08/12/2018	15/01/2019
TYMCA	2013	I	07/12/2018	15/01/2019
MBA - I & II	2016	I	11/12/2018	23/01/2019
ME - I & II	2017	I	27/12/2018	18/03/2019
FE	2015	II	28/05/2019	21/07/2019
SE	2015	II	29/05/2019	21/07/2019
TE	2015	II	28/05/2019	22/07/2019
BE	2015	II	27/05/2019	18/07/2019
FYMCA	2013	II	28/05/2019	04/07/2019
SYMCA	2013	II	29/05/2019	04/07/2019
TYMCA	2013	II	15/05/2019	04/07/2019
MBA - I & II	2016	II	14/05/2019	06/07/2019
ME - I & II	2017	II	06/06/2019	14/08/2019

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

Continuous Assessment:

- For each practical /tutorial course, evaluation criterion is decided and continuous assessment sheet is prepared by respective faculty and the students are made aware of the assessment strategy before the commencement of the course.
- For each practical /tutorial course, continuous assessment of a student is made with the help of rubrics by respective faculty and registered in continuous assessment sheet during the semester.
- At the end of semester students submit term work in the form of journal / worksheets.
- Evaluation criteria for term work based on continuous assessment, timely submission and regular attendance are conveyed to the students before the commencement of the course.
- The attendance record of each student is maintained in theory class and practical sessions and cumulative attendance is conveyed to each student and if required to his/her parents as well.
- Corrected answer sheets of Unit test are shown to students for further improvement.
- The efforts are taken by mentors and class coordinators to inculcate ethics, moral values and attitudes among the students.
- The overall development of students gets reflected not only in academic performance, but also in their personality and confidence and thereby in campus placements due to acquired knowledge and skills.
- Independent learning of the student is tested while doing seminars, mini – projects, and final year projects and evaluated as per the guidelines provided by the University.

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

- **Academic calendar and timetable:**
SPPU provides academic calendar every year comprising of commencement, conclusion of teaching and theory/ practical / oral examination schedule. Based on university academic calendar, department of applied science and mathematics prepares academic calendar and timetable for all the

divisions of first year UG in each semester.

For SE, TE, BE and PG courses, respective departments prepare academic calendar and time table for each class in each semester consisting of theory and practical /tutorials sessions, expert talks, industrial visits, technical activities, mentoring sessions and extracurricular activities.

- **University Examination:**

The institute follows all the evaluation reforms prescribed by the University.

- **Single point of contact-** The University has directed appointment of Chief Examination Officer (CEO) as single point contact for the Institute.

- **Examination Pattern** – The major reform is the introduction of In-semester examination. In-semester examination is either online (for first and second year of Engg./MBA) or in written form (for third and final year of Engg.) in each theory course conducted by the University. Internal Assessment at ME, MBA, MCA is carried by concerned faculty as per the guidelines provided by the University.

- **Credit System** - The University has introduced Semester wise Credit based Evaluation System from the academic year 2015-2016 for both UG as well as PG programmes. The University has provided the guidelines to grade the performance of a student by means of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA).

- The Continuous Assessment Scheme for evaluation of laboratory work has been adopted by all the departments of the Institute.

- In-Semester, End- Semester, Online and Practical/Oral examinations are conducted by SPPU as per schedule.

- In Practical/Oral examinations, the students are assessed by internal and external examiners appointed by the university.

- Answer sheets of In-Semester and End- Semester theory examinations are assessed through Central Assessment Programme (CAP) by the examiners appointed by SPPU at various CAP centers.

- The departments also conduct mock online examinations, tutorials, internal tests and mock practical/oral examinations for improving performance of students.

- **Project and Seminar Evaluation:**

Each department has project and seminar coordinators to monitor the project and seminar activity.

Project evaluation committee monitors the progress of project work at various stages such as sanctioning of the project idea, feasibility, problem definition, scope, expected outcomes to maintain quality.

The performance of students in their project work and seminar is judged by project and seminar guides and external examiners appointed by the university.

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes

for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://engg.kkwagh.edu.in/iqac_detail/index/191

2.6.2 Pass percentage of students				
Programme Code (as per AICTE)	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
1-1347426665	Chemical Engg	79	73	92.40%
1-1347426669	Civil Engg. (First Shift)	79	72	91.14%
1-1406844921	Civil Engg. (Second Shift)	73	60	82.19%
1-1347426677	Civil Engg.(PG)	18	18	100%
1-1347426649	Computer Engg.	147	145	98.64%
1-1347426685	Computer Engg.(PG)	11	11	100%
1-1347426671	Electrical Engg. (First Shift)	75	73	97.33%
1-1347426689	Electrical Engg. (Second Shift)	76	69	90.79%
1-1347426693	Electrical Engg.(PG)	6	5	83.33%
1-1347426661	E &TC Engg. (First Shift)	64	56	87.50%
1-1347426683	Electronics Engg. (Second Shift)	62	59	95.16%
1-1347426687	E &TC Engg (PG)	13	13	100%
1-1347426673	IT	68	67	98.52%
1-1347426663	Mechanical Engg. (First Shift)	155	140	90.32%
1-1347426681	Mechanical Engg. (Second Shift)	78	68	87.18%
1-1347426667	Production Engg.	79	67	84.81%
1-1347426691	MCA	54	53	98.14%
1-1347426646	MBA	47	39	82.98%

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink) -
https://engg.kkwagh.edu.in/a_y_2018_19/index

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	2 years	DHI Govt. of India	1,50,00,000	75,00,000
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-

Projects sponsored by the University/ College	2019 - 21	ASPIRE, SPPU, Pune	2,00,000	1,00,000 (12/10/19)
	2019 - 21	ASPIRE, SPPU, Pune	2,32,000	1,16,000 (12/10/19)
	2018 - 19	KKWIEER	8,061	8,061
	2016 - 18	SPPU, Pune	1,70,000	59,500 (30/6/2018)
	2016 - 18	SPPU, Pune	1,40,000	47,000 (30/6/2018)
	2016 - 18	SPPU, Pune	1,40,000	47,000 (30/6/2018)
	2016 - 18	SPPU, Pune	2,60,000	17,244 (30/6/2018)
Students Research Projects (other than compulsory by the College)	2018 - 19	KKWIEER	6,49,432	6,49,432
International Projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total			1,67,99,493	85,44,237

3.2 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Design Thinking & Innovation	E&TC Engg.	7/14/2018
Use of MATLAB & Simulink in Engineering Application	E&TC Engg.	2/22/2019
Expert lecture by Dr.O.G. Kulkarni on IPR commercialization	IPR Cell	8/2/2019

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

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Life Enhancing Prosthetic knee	Rahil Mansuri (Student)	The Institution of Engg & Tech. (IET , UK)	14/11/2018	International
Power Control of Nuclear Power Plant	Dr. Ravindra Munje	Green ThinkerZ Award	2018	National (Outstanding Researcher Award)
Typhoon HIL 10 for 10 award 1. HIL 402 real time emulator 2. Lifetime academic package	Dr. Akbar Ahmad	Typhoon HIL 10	2019	International
India Innovation Challenge Design Contest 2018: Appreciation Award from DST & Texas Instrument	Jaydeep Shah	DST & Texas Instrument	2018	National

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
NIL	----	----

Name of the Start-up		Nature of Start-up	Date of commencement			
SmartElec Home Automation Technologies		Partnership firm	24/06/2019			
3.3 Research Publications and Awards						
3.3.1 Incentive to the teachers who receive recognition/awards						
State		National		International		
01		01		02		
3.3.2 Ph. Ds awarded during the year (<i>applicable for PG College, Research Center</i>)						
Name of the Department			No. of Ph. Ds Awarded			
Nil			Nil			
3.3.3 Research Publications in the Journals notified on UGC website during the year						
	Department	No. of Publication	Average Impact Factor, if any			
National	IT	01	--			
International	Chemical Engg.	03	1.976			
	Civil Engg.	07	--			
	Computer Engg.	11	4.23			
	Electrical Engg.	01	1.428			
	E&TC	05	4.438			
	IT	02	--			
	Mechanical Engg.	06	5.22			
	Production Engg.	03	2.519			
	MCA	01	5.75			
MBA	02	0.18				
3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year						
Department		No. of publications				
Chemical Engg.		01 Paper				
Civil Engg.		10 Papers				
E&TC Engg.		01 Paper				
IT		05 Papers + 01 Book				
Production Engg.		27 Papers + 1 Book Chapter + 1 Book				
MCA		03 Papers				
3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Treatment of dye containing real industrial effluents using NaOH activated <i>Ficus racemosa</i> and <i>Prunus dulcis</i> based novel	Dr. Jain S. N.	International Journal of Environmental Research (Springer, 13(2019), pp. 337-347.	2019	1	Institute of Chemical Technology, Mumbai	-

adsorbent						
Adsorptive removal of azo dye in a continuous column operation using biosorbent based on NaOH and surfactant activation of <i>PrunusDulcis</i> leaves	Dr. Jain S. N.	Desalination and Water Treatment (Desalination), 141 (2019), pp. 331-341.	2019	1	Institute of Chemical Technology, Mumbai	-
Nonlinear Regression Approach for Acid Dye Remediation Using Activated Adsorbent: Kinetic, Isotherm, Thermodynamic and Reusability Studies	Dr.Jain S. N, Dr.Mane V. S., Mawal V. N.	Microchemical Journal (Elsevier), 148 (2019), pp. 605–615.	2019	1	KKWIEER, Nashik	-
Prediction of strengths of remixed concrete	Dr. Pradip D. Jadhao	2019 International Journal of Engineering and Advanced Technology	June 2019	-	KKWIEER, Nashik	-
Effects of hydrated lime in stabilization of black cotton soil	Dr.Pradip D.Jadhao	2019 International Journal of Engineering and Advanced Technology	June 2019	-	KKWIEER, Nashik	-
Investigations on strength of concrete by remixing concrete mixes	Dr.Pradip D.Jadhao	2019 ARPJ Journal of Engineering and Applied Sciences	Feb 2019	-	KKWIEER, Nashik	-
Strength and hysteresis behavior of CFDST columns with octagon and polygon steel sections	Dr. Sunil Y. Kute	Journal of Structural Engineering (India)	Mar 2019	-	Department of Civil Engineering, University of Pune, Pune (India)	-
Castellated cruciform steel columns	Dr. Sunil Y. Kute	World Journal of Engineering	Aug 2018	-		-
Steel-reinforced concrete-filled steel tubular columns under axial and lateral cyclic loading	Dr. Sunil Y. Kute	International Journal of Advanced Structural Engineering	Mar 2018	2		2
A Novel Energy Efficient and SLA-aware Approach for Cloud Resource Management	M.N. Shelar, Dr. S.S. Sane, Vilas Kharat	International Journal of Grid and High Performance Computing	Apr 19 Vol 11 Issue 2	--	KKWIEER, Nashik	--
IM_LR: An approach for Direct and Indirect Discrimination	Manoj Ashok Wakchaure, Dr.S.S. Sane	International Journal of Innovative	Vol.-8 No. - 7,	--	--	--

Prevention		Technology and Exploring Engineering (IJTEE)	May, 2019			
Case Study on Harmonics Generated by Personal Computers: Analysis and Mitigation	Koli S., Gokhale G., Dr. Munje R.	2018 International Conference On Advances in Communication and Computing Technology, ICACCT 2018	2018	-	KKWIEER, Nashik	1
Experimental non resonant piezoelectric transformer for high voltage measurement	Dr.M. P. Thakre, M. F. A. R. Satarkar, K. Vadirajacharya	IEEE 3rd Int. Conf. on "High Voltage Engineering & Technology" (ICHVET2019), CPRI Hyderabad, India, 07- 08 Feb.2019	2019	-	KKWIEER, Nashik	-
Modelling, Analysis and Performance of DSTATCOM for Voltage Sag Mitigation in Distribution System	A. R.Gidd, A. D. Gore, Dr.M. P. Thakre	Proceedings of the 3rd IEEE Int. Conf. on Trends in Electronics and Informatics (ICOEI 2019)	2019	-	KKWIEER, Nashik	-
A Novel Application of Dual Purpose Active Fault Current Limiter to 400 kV Transmission System	Dr.M. P. Thakre, Tejal S. Barhate, Prasad Jagatap	Proceedings of the 3rd IEEE Int. Conf. on Trends in Electronics and Informatics (ICOEI 2019)	2019	-	KKWIEER, Nashik	-
Integrated Multilevel Converter Topology for Speed Control of SRM Drive in Plug in-hybrid Electric Vehicle	Vaihsnavi V. Hadke, Dr.M. P. Thakre	Proceedings of the 3rd IEEE Int. Conf. on Trends in Electronics and Informatics (ICOEI 2019)	2019	-	KKWIEER, Nashik	-
Power Flow Analysis of CFC for Meshed VSC-HVDC Transmission Systems	R. A. Mulatkar, S. S. Yeole, Dr.M. P. Thakre	Proceedings of the 3rd IEEE Int. Conf. on Trends in Electronics and Informatics (ICOEI 2019)	2019	-	KKWIEER, Nashik	-
Mal-Operation of Mho Relay in Transmission Line due to Presence of TCSC	Dr.M. P. Thakre, Priyanka Khade, Vaishali S. Patil	Int. Journal of Recent Tech., and Engineering (IJRTE)	2019	-	KKWIEER, Nashik	-
Adaptive Digital Distance Relay for SSSC Based Double-	Dr.M. P. Thakre, D. Koteswara Raju	Int. Trans. on Elect. Energ. Syst	2018	-	KKWIEER, Nashik	5

Circuit Transmission Line Using Phasor Measurement Unit						
Efficient Energy Saving by Controlling of the Loads	Dr. D. M Chandwadkar	International Journal for Research in Engineering Application & Management (IJREAM)	Jul-18	-	KKWIEER, Nashik	-
ARM Based Online Energy Meter Reading and Billing System by using wireless communication	Dr. S. S. Morade	International Journal for Research in Engineering Application & Management (IJREAM)	Oct-18	--	KKWIEER, Nashik	-
Smart Garbage System In Society Using IOT	Dr. S. S. Morade	International Journal for Research in Engineering Application & Management (IJREAM)	Jun-18	-	KKWIEER, Nashik	-
Smart Grid Communication	Dr. S. A. Patil (Ugale)	International Journal for Research in Engineering Application & Management (IJREAM)	Jul-18	-	KKWIEER, Nashik	-
Handheld Device for Data Transfer between Two USB Supported Devices	Dr. S. A. Patil (Ugale)	International Journal for Research in Engineering Application & Management (IJREAM)	Jul-18	-	KKWIEER, Nashik	-
Traffic Incident Classification and Notification using Machine Learning Approach	R. M. Bora	Global Journal of Engineering Science and Research, ISSN – 2348-8034	2018 - 19	-	KKWIEER, Nashik	--
Anomaly Topic & Emerging topic Discovery using Social Media	Y.P. Shewale	Helix - The Scientific Explorer, Thomson Reuters E-ISSN: 2319-5592, P-ISSN:2277-3495	2018 - 19	-	KKWIEER, Nashik	--

Induction Training for Teachers of Engineering College for Quality Enhancement of Teaching	Dr. P. D. Bhamre, T.N.Date	National Conference on Exploring New Dimensions in Teaching-Learning for Quality Education at KKWIEER, Nashik, ISBN:978-93-88441-93-3	2018-19	-	KKWIEER, Nashik	--
Smart Electronics System for Monitoring Organic Abundance in Soil	S. N. Chaudhari	Intl. Conf. on Sustainable Development, Sinhgad College of Engineering, Pune, ISBN: 978-93-87901-05-6, SPPU, Pune	2018-19	-	KKWIEER, Nashik	--
Smart Shopping System with Automatic Bill Generation using Barcode Scanner Application	S. N. Chaudhari, S. P. Mene, U. K. Gaikwad	5th Intl. Conf. on Emerging Trends in Computing, K K Wagh Institute of Engineering & Education Research, Nasik	2018-19	-	KKWIEER, Nashik	--
Experimental Analysis of Tribological Behaviors of Submersible Pump Thrust Bearing using Taguchi Method	N.V.Patil, R.D. Rakhade	JETIR2018/ISSN: 2349-5162/Vol :05 /Issue : 07 /July 2018	2018	-	KKWIEER, Nashik	-
An Approach To Mechatronics System Design	V.V. Khond, P.K. Kavale, N.S.Dixit	International Journal of Engineering Development and Research/IJEDR 2019 Volume 7, Issue 2 ISSN: 2321-9939/ May2019	2019	-	KKWIEER, Nashik	-
Damping Analysis of Patched Layered Sorbothane	P.R. Beldar, C.D. Valunj	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) Impact Factor: 5.22 (SJIF-2017), e-	2019	-	KKWIEER, Nashik	-

		ISSN: 2455-2585 Volume 5, Issue 04, April-2019				
A comprehensive review on ferrofluid convective heat transfer under the influence of external magnetic source	S.V. Kadbhane	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) Impact Factor: 5.22 (SJIF-2017), e-ISSN: 2455-2585 Volume 5, Issue 04, April-2019	2019	-	KKWIEER, Nashik	-
Design And Manufacturing of Automated Agricultural Irrigation System	R.D. Rakhade, N.V.Patil	IJTIMES 2018/ e-ISSN:2455-2585 / Vol-4 /Issue :08/ Aug 2018	2018	-	KKWIEER, Nashik	-
Design and Development of Novel Configuration of Steering Knuckle for an All Terrain Vehicle (ATV)	A.S.Patil, Dr. P.B. Kushare	IJ: Journal of Advancements in Material Engineering Volume 3 Issue 3, Page 30-40 , MAT Journals 2018	2018	-	KKWIEER, Nashik	-
Sequence Optimization of Hole Making Operations for Injection Mould using Shuffled Frog Leaping Algorithm with Modification	Dr. P.J. Pawar	Management and Production Engineering Review	Sept. 2018	-	KKWIEER, Nashik	-
Evaluating the effect of organizational practices on work effectiveness of employees	Dr.P.J. Pawar	International Journal of Management Concepts and Philosophy	April 2019	0	KKWIEER, Nashik	0
Optimization of material removal rate during electrical discharge machining of cryo-treated NiTi alloys using Taguchi's method	V.S. Gaikwad	Journal of King Saud University - Engineering Sciences	July 2018	20	KKWIEER, Nashik	20
Material Flow Optimization of Production Planning and Scheduling Problem in Flexible	Dr. P. J. Pawar	Flexible Services and Manufacturing Journal	June 2019	1	KKWIEER, Nashik	1

Manufacturing System by Real Coded Genetic Algorithm (RCGA)						
Improving the quality characteristics of abrasive water jet machining of marble material using multi-objective artificial bee colony algorithm	Dr. P. J. Pawar	Journal of Computational Design and Engineering	July 2018	5	KKWIEER, Nashik	4

3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Prediction of strengths of remixed concrete	Dr. Pradip D. Jadhao	2019 International Journal of Engineering and Advanced Technology	June 2019	2	-	KKWIEER, Nashik
Effects of hydrated lime in stabilization of black cotton soil	Dr. Pradip D. Jadhao	2019 International Journal of Engineering and Advanced Technology	June 2019	-	-	KKWIEER, Nashik
Investigations on strength of concrete by remixing concrete mixes	Dr. Pradip D. Jadhao	2019 ARPN Journal of Engineering and Applied Sciences	Feb 2019	-	-	KKWIEER, Nashik
Strength and hysteresis behavior of CFDST columns with octagon and polygon steel sections	Dr. Sunil Y. Kute	Journal of Structural Engineering (India)	March 2019	4	-	Department of Civil Engineering, University of Pune, Pune (India)
Castellated cruciform steel columns	Dr. Sunil Y. Kute	World Journal of Engineering	Aug 2018	-	-	
Steel-reinforced concrete-filled steel tubular columns under axial and lateral cyclic loading	Dr. Sunil Y. Kute	International Journal of Advanced Structural Engineering	March 2018	-	2	
Case Study on	Koli, S.,	2018 International	2018	-	1	KKWIEER,

Harmonics Generated by Personal Computers: Analysis and Mitigation	Gokhale, G., Dr.Munje, R.	Conference On Advances in Communication and Computing Technology, ICACCT 2018				Nashik
Experimental non resonant piezoelectric transformer for high voltage measurement	Dr.Mohan P. Thakre, M. F. A. R. Satarkar, K. Vadirajacharya	IIEEE 3rd Int. Conf. on “High Voltage Engineering & Technology” (ICHVET2019), CPRI Hyderabad, India, 07- 08 Feb.2019	2019	-	-	KKWIEER, Nashik
Modelling, Analysis and Performance of DSTATCOM for Voltage Sag Mitigation in Distribution System	A. R. Gidd, A. D. Gore, Dr. M. P. Thakre	Proceedings of the 3rd IEEE Int. Conf. on Trends in Electronics and Informatics (ICOEI 2019)	2019	-	-	KKWIEER, Nashik
A Novel Application of Dual Purpose Active Fault Current Limiter to 400 kV Transmission System	Dr.M.P. Thakre, Tejal S. Barhate, Prasad Jagatap	Proceedings of the 3rd IEEE Int. Conf. on Trends in Electronics and Informatics (ICOEI 2019)	2019	-	-	KKWIEER, Nashik
Integrated Multilevel Converter Topology for Speed Control of SRM Drive in Plug in-hybrid Electric Vehicle	Vaihsnavi V. Hadke, Dr.M. P. Thakre	Proceedings of the 3rd IEEE Int. Conf. on Trends in Electronics and Informatics (ICOEI 2019)	2019	-	-	KKWIEER, Nashik
Power Flow Analysis of CFC for Meshed VSC-HVDC Transmission Systems	R. A. Mulatkar, S. S. Yeole, Dr. M. P. Thakre	Proceedings of the 3rd IEEE Int. Conf. on Trends in Electronics and Informatics (ICOEI 2019)	2019	-	-	KKWIEER, Nashik
Mal-Operation of Mho Relay in Transmission Line due to Presence of TCSC	Dr.M.P. Thakre, Priyanka Khade, Vaishali S. Patil	Int. Journal of Recent Tech., and Engineering (IJRTE)	2019	-	-	KKWIEER, Nashik
Adaptive Digital Distance Relay for SSSC Based Double-Circuit Transmission Line	Dr.M.P. Thakre, D. Koteswara Raju	Int. Trans. on Elect. Energ. Syst	2018	-	5	KKWIEER, Nashik

Using Phasor Measurement Unit						
Sequence Optimization of Hole Making Operations for Injection Mould using Shuffled Frog Leaping Algorithm with Modification	Dr. P. J. Pawar	Management and Production Engineering Review	Sept. 2018	12	-	KKWIEER, Nashik
Evaluating the effect of organizational practices on work effectiveness of employees	Dr. P. J. Pawar	International Journal of Management Concepts and Philosophy	April 2019	12	-	KKWIEER, Nashik
Material Flow Optimization of Production Planning and Scheduling Problem in Flexible Manufacturing System by Real Coded Genetic Algorithm (RCGA)	Dr. P. J. Pawar	Flexible Services and Manufacturing Journal	June 2019	12	1	KKWIEER, Nashik
Improving the quality characteristics of abrasive water jet machining of marble material using multi-objective artificial bee colony algorithm	Dr. P. J. Pawar	Journal of Computational Design and Engineering	July 2018	12	4	KKWIEER, Nashik
Optimization of material removal rate during electrical discharge machining of cryo-treated NiTi alloys using Taguchi's method	V.S.Gaikwad	Journal of King Saud University - Engineering Sciences	July 2018	01	20	KKWIEER, Nashik
A survey on Intelligent Data Mining Techniques used in Heart Disease Prediction	A. L. Rane	3rd International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS)	2018	1	-	KKWIEER, Nashik
Audio Opinion Mining and	A. L. Rane	International Conference on	2019	1	-	KKWIEER, Nashik

Sentiment Analysis of Customer Product or Services Reviews		Data Science, Machine learning & Applications				
Traffic congestion Index and level estimation using two phase fuzzy controller	P. S. Pimple	International Conference on Emerging trends in engineering and technology on information security and analytics	2018	-	-	KKWIEER, Nashik
Income generating activity : An Avenue to Improve the sustainability of SHGs	Dr. Saroj P. Dhake	Annals of Public and Co-operative Economics	2019	-	-	-

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	--	62	15	26
Presented papers	57	4	2	--
Resource Persons	1	4	1	15

3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
No Tobacco oath on occasion of "World No Tobacco Day" (31-05-2019)	NSS	3	54
Marathon 2019 organized by Nashik City Police (04/02/2019 to 15/02/2019)	NSS & Police Dept	3	58
Expert Talk of Mr. Vinay Ahire (Dy. RTO, Nashik) on "Road Accidents & Preventions" (12-02-2019)	NSS and RTO dept.	3	130
Green Army Registration Camp (18/02/2019 to 23/02/2019)	NSS and Forest dept.	6	93
Motivational Talk of Retd. Maj. Gen. Ashok Sheoran (04-02-2019)	NSS	6	37
Blood Donation Camp (31-01-2019)	NSS and Govt. Hospital	6	130
Celebration of National Voters Day (24/01/2019 & 25/01/2019)	NSS	6	48
NSS Drama in Maffick 2k19 (17-01-2019)	NSS	2	26
Blood Donation Camp (12-01-2019)	NSS and Govt. Hospital	2	62

Road Safety Campaign (11/01/2019 to 17/01/2019)	NSS and RTO	5	250
Mahawalkathon (18-11-2018)	NSS and Nashik Police	2	27
Cleanliness Survey (03/10/2018 to 06/10/2018)	NSS	2	57
Surgical Strike Day Celebration - Field Visit (29-09-2018)	NSS	4	20
Surgical Strike Day Celebration - Expert Talk by Mr. J. B. Singh (29-09-2018)	NSS	5	20
Help to Blind Students (22-09-2018)	NSS	3	13
Blood Donation Camp (18-09-2018)	NSS	5	75
Expert Talk on Swami Vivekanand by Swami Kalyan Atmanand (12-09-2018)	NSS	6	165
Eco-Friendly Ganesh Murti Making Workshop (02-09-2018)	NSS	4	19
Cloth Donation Drive for Kerala Flood Relief (30-08-2018)	NSS	3	58
Help to Kerala Flood relief cash 10000/- to Nashik Malayalee Cutural Association (24-08-2018)	NSS	3	19
Tree Plantation (01-07-2018)	NSS and Forest Dept.	3	91
Yoga Day celebration (21-06-2018)	NSS	20	192
Participation in University level Summer Camp (04-06-2018)	NSS	0	4

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

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Mahawalkathon	Community Leader Award	PWD, Maharashtra, Maharashtra Motor vehicle department	01

3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
Swachha Bharat	NSS	Cleanliness Survey	02	77

3.5 Collaborations

3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
Technology pilot for Electronic mobility	2 Faculty of E&TC Engg & Panava Engineering, Pvt.Ltd.	DHI, Gov of India and Industry	2 years

3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year				
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
Industrial Training	Summer Implant training of T.E and B.E. Chemical Engg. students (142)	Sugam Chemicals, Pithampur, Dhar	01/06/2019 to 15/06/2019	03
		Vadiwarhe Speciality Chemicals Ltd, Igatpuri, Nashik	01/06/2019 to 15/06/2019	02
		Hi-Tech Engineering, MIDC Satpur, Nashik	01/06/2019 to 15/06/2019	01
		Shalimar Paints Ltd., Igatpuri, Nashik	03/06/2019 to 03/07/2019	01
		Glenmark Pharmaceuticals Ltd, E-37,Satpur, Nashik	01/06/2019 to 15/06/2019	03
		Jyoti Chemicals, Ambad, Nashik	01/06/2019 to 15/06/2019	01
		Indian Oil Corporation Limited, Panewadi, Manmad	01/06/2019 to 15/06/2019	02
		Kadwa Sugar Industry Dindori Nashik	01/06/2019 to 15/06/2019	02
		Agri Search (India) Pvt. Ltd., Dindori, Nashik	01/06/2019 to 15/06/2019	08
		Gurinder India Pvt. Ltd., Sector XI, Noida (U.P.)	01/06/2019 to 15/06/2019	01
		Jain Farm Fresh Food Ltd., Shirsoli Road, Jalgaon,	03/06/2019 to 08/06/2019	02
		Jain Farm Fresh Food Ltd., Shirsoli Road, Jalgaon,	10/06/2019 to 15/06/2019	02
		Harman Finochem, , MIDC , Aurangabad	01/06/2019 to 15/06/2019	02
		Seven Peaks Winery Pvt. Ltd. Dindori, Nashik	01/06/2019 to 15/06/2019	04
		Meridian Techniques Sinnar, Nashik	01/06/2019 to 15/06/2019	06
		Anant Metals and Finisher Ltd. Ambad , Nashik	01/06/2019 to 15/06/2019	07
		Multimol Micro Fertilizer Industry Ltd. Malegaon	07/06/2019 to 21/06/2019	01
		Advanced Pesticides Sinnar, Nashik	01/06/2019 to 15/06/2019	03
		M.B.Sugars & Pharmaceutical Ltd, Nilgavan	01/06/2019 to 15/06/2019	01
		CEAT Limited, Satpur, Nashik	01/06/2019 to 15/06/2019	07
Central Institute of Scientific Research-CIMFR,Nagpur	01/06/2019 to 15/06/2019	05		
Aarti Drugs Pvt Ltd. Boisar	01/06/2019 to 15/06/2019	02		
S V Plastochem Pvt, Ltd.	01/06/2019 to 15/06/2019	01		

		Janori, Nashik Amar Dairy, Bodwad, Jalgaon Parle Biscuit Pvt. Ltd., Igatpuri Nashik	01/06/2019 to 15/06/2019	01
		Jain Farm Fresh Food Ltd., Jalgaon, Maharashtra	01/06/2019 to 15/06/2019	2
		Rashtriya Chemicals and Fertilizers Limited (RCF), Thal Unit	01/06/2019 to 15/06/2019	4
		Fabex Engineering, Nashik	01/06/2019 to 15/06/2019	2
		HIL India Ltd, Rasayni, Raigad	01/06/2019 to 15/06/2019	5
		S.V.Plastrochem Pvt.Ltd. Janori, Nashik	01/06/2019 to 21/06/2019	4
		Jindal Polyfilms, Pvt. Ltd. Igatpuri, Nashik	01/06/2019 to 15/06/2019	3
		Alkyl Amines Chemicals, Daund	01/06/2019 to 13/07/2019	1
		Delta Finochem Pvt.Ltd. Wadivahre, Nashik	01/06/2019 to 21/06/2019	4
		India Oil Corporation Ltd, Nashik, Maharashtra	01/06/2019 to 21/06/2019	5
		DMCC, Plot No.105, Raigad	03/06/2019 to 17/06/2019	2
		Rashtriya Chemicals and Fertilizers Ltd., Mumbai	16/06/2019 to 30/06/2019	4
		Sam Consultech, Nashik, Maharashtra	01/06/2019 to 21/06/2019	5
		Alpha Solvent, Nashik	01/06/2019 to 15/06/2019	4
		Surfa Coat Chemicals, Velu	04/06/2019 to 16/06/2019	4
		Caprihans India Limited, MIDC Nashik	01/06/2019 to 15/06/2019	3
		Parle Biscuit Pvt. Ltd., Igatpuri Nashik	05/06/2019 to 20/06/2019	2
		Rashtriya Chemicals and Fertilizers Ltd., Mumbai	01/06/2019 to 15/06/2019	4
		Mapro Manufacturing Factory, Wai, Maharashtra	06/06/2019 to 25/06/2019	1
		Lupin pharmaceuticals Pvt. Ltd., Tarapur MIDC, Boisar	01/06/2019 to 30/06/2019	2
		Rashtriya Chemicals and Fertilizers Ltd., Mumbai	15/06/2019 to 30/06/2019	7
		Sigma Chemicals, Ozar, Nashik	16/06/2019 to 30/06/2019	4
		Central Institute of Scientific Research -CIMFR, Nagpur	01/06/2019 to 15/06/2019	1
Industrial Training	Industrial training for Chemical Engg. Faculty (7)	Abelin polymers, Nashik	27/05/2019 to 10/06/2019	1
		Agri Serach (I) Pvt. Ltd., Nashik	08/06/19 to 12/06/19 &18/06/2019to 27/06/19	1
		GNP Agrosience Pvt.Ltd.,Nashik	06/05/19 to14/05/19 &18/05/19 to 26/05/19	1

		Vijay Agro Industries Pvt. Ltd., Nashik	25/05/2019 to 08/06/2019	2
		Graphite India Limited, Nashik	06/05/2019 to 20/06/2019	1
		Svaar Technologies Pvt. Ltd. Nashik	06/05/2019 to 20/06/2019	1
Project Work	Industry sponsored projects in Chemical Engg. (4)	Ekhande Agro Fertilizers Pvt Ltd., Ahmadnagar	2018-19	2
		Graphite India Ltd., Nashik	2018-19	2
		VSCL Ltd., Vadivarhe	2018-19	2
		Janardhan Fuels, Sinnar	2018-19	2
Internship	Siemens Internship for Computer Engg. Students	Siemens India Limited, Nashik (Divya Nair: +91(253)3099633)	14/12/2018-26/12/2018	5
Project work	Sponsored projects for Computer Engg. Students	V3 Data Solutions, Nashik ABL Infrastructure, Nashik TRIARQ HEALTH, Nashik Suguna Foods Limited Congifront, Nashik Police Dept., Aurangabad Dhule District Sports Office, Govt. of Maharashtra	A.Y 2018-19 Sem-I and Sem – II	44
MoU	MoU for internship, on-the-job training, project work, sharing of research facilities for Computer Engg.	Cognifront, Nashik (097300 45145)	4/6/2018 to 18/6/2018	11 students
MoU	MoU for Internship & Placement	FinIQ, Nashik	29/5/2018 to 22/6/2018	7 students
Academic Affiliate Agreement	Academic Events [Workshops & Symposium]	The Institution of Engineering Technology (IET)	1 st October 2018 to 30 th September 2019	124 Students & 31 Faculty
Project Work	Automatic wire cutting machine NIMA-GIZ Project for students of E&TC Engg.	General Electrical Works, Nashik, 9826113931	3 months	2 Faculty & 3 Students
Internship	Internship for E&TC Engg. students	Yash Electro Arts, Nashik	5/6/18 - 20/6/18	8
		Winner Electronics, MIDC Satpur, Nashik	27/5/18 -12/6/18	2
		HAL, Nashik	18/6/18 -30/6/18	1
		Sivananda Electronics, Devlali, Nashik	4/6/18 - 12/6/18	13
		Rishabh Instruments, Satpur,	1/6/18 - 15/6/18	1

		Nashik Integral Power Solutions Pvt. Ltd, MIDC Ambad	28/5/18 -12/6/18	1
		eSmart Energy Solutions Pvt. Ltd, Satpur, nashik	1/6/18 - 15/6/18	4
		Supernova Electrotech Pvt. Ltd, Ambad,	4/6/18 - 18/6/18	1
		IRIEE, Nashik Road	6/6/18 - 16/6/18	1
		BSNL, Satpur, Nashik	11/6/18 -23/6/18	1
		Sivananda Electronics, Devlali, Nashik	31/5/18 - 6/6/18	1
		Lear Corporation Ambad MIDC, Nashik	11/6/18 -21/6/18	10
		Sivananda Electronics, Devlali, Nashik	29/5/18 - 6/6/18	1
			14/6/18 -22/6/18	1
			7/6/18 - 15/6/18	2
			31/5/18 16/6/18	1
		Yash Electro Arts, Nashik	5/6/18 -20/6/18	7
		eSmart Energy Solutions Pvt. Ltd, Satpur, nashik	1/6/18 - 15/6/18	2
		Yash Capacitors Pvt Ltd, Nashik	28/5/18 - 6/6/18	1
		HAL, Nashik	4/6/18 - 15/6/18	1
		Mahindra CIE	14/6/18 -26/6/18	1
		BSNL, Jalgaon	28/5/18 - 8/6/18	2
		Legrand , MIDC Sinner	1/6/18 -15/6/18	2
Intern ship	Internship for Electronics Engg. students	HAL, Nashik	28/5/18-9/6/18	2
		Siemens Ltd., Nashik	1/6/18-15/6/18	1
		M/S. OM Scale & Services, Nashik.	1/6/18-15/6/18	1
		ELITE Technologies, MIDC, Ambad,	4/6/18-14/6/18	2
		Skipper Engineers, Akola	4/6/18-16/6/18	1
		Caprihans India Ltd., MIDC, Satpur,	3/6/18-17/6/18	4
		Cognifront Software Pvt. Ltd., Nashik	4/6/18-18/6/18	3
		Motwane Manufacturing Company Pvt.Ltd., Nashik road	8/6/18-18/6/18	1
		Satyam Mechatronics Pvt. Ltd.Ambad,	10/6/18-16/6/18	2
		Deccan sales & service India, Vapi	11/6/18-16/6/18	1
		LEAR Automotive India Pvt. Ltd., Ambad	11/6/18-20/6/18	3
		Bharat Sanchar Nigam Limited, Nashik	11/6/18-23/6/18	2
		NCC, Maharashtra AIR SQN NCC, Mumbai	18/6/18-27/6/18	1
		Godrej Consoveyo Logistics Automation Limited. Airoli, Navi Mumbai.	30/6/18-30/6/18	1
		Stalwart's Space, College road, Nashik	01/6/18-30/6/18	2

		Epiroc Mining India Ltd, Yash Electro Arts, Sambhaji Chowk SAMBE Electronics Pvt.Ltd., Ambad, Nashik	1/6/18-30/6/18 25/6/18-2/7/18 1/6/18-6/6/18	1 2 3
Internships	Internship for IT students	FinIQ Consulting India Pvt Ltd, Nashik	29/5/2019 to 21/06/2019	07
		Hindustan Aeronautics Limited, Nashik	12/6/2019 to 29/06/2019	02
		Ready Business Solution, Mumbai	03/06/2019 to 15/06/2019	01
		IIT, Bombay	29/05/2019 to 01/07/2019	01
		Mswipe Technologies, Nashik	02/06/2019 to 02/07/2019	03
Project Work	ERP based Software Manufacturing [Industry Sponsored Project by NIMA-GIZ Collaboration for IT Students]	VM Auto Parts Pvt. Ltd, Satpur Mr. Manish - 9822227709	January 2018 to January 2019	4 students and 1 Faculty
Project Work	Data Analysis and Trend Identification for Endurance Testing of Electrical Breakers [Industry Sponsored Project by NIMA-GIZ Collaboration for IT Students]	Mufront Technology, Ambad, Nashik Mr. Shantanu -9769696755	January 2018 to January 2019	3 students and 1 Faculty
Internship	Internship for Mechanical Engg. students	B CATMA, Pvt. Ltd.,Satpur	02/06/2019 to 11/06/2019	2
		BMW ,Hadpsar,Pune	1/06/2019 to 20/06/2019	1
		Bosch india ltd,Nashik	01/06/2019 to 03/07/2019	4
		Central Railways, IOH workshop, Bhusawal.	07/06/2019 to 14/06/2019	1
		Epiroc Mining India Ltd, Nashik	03/06/2019 to 21/06/2019	3
		Expertshub Industry skill development center, Expertshub egmore chennai India 600008	06/06/2019 to 13/06/2019	3
		F3 Fortuna company, D-16, M.I.D.C., Ambad, Nashik-422010	2/6/2019 to 13/6/2019	3
		Greaves Cotton Limited, Aurangabad	03/06/2019 to 30/06/2019	1
		Hindustan Aeronautics Limited, Nashik	1/06/2019 to 14/06/2019	10
		IOCL,Ambad	01/06/2019 to 15/06/2019	1
		Lear Corporation, MIDC Ambad, Nashik	18/06/2019 to 26/06/2019	1
		Mahindra Sona Limited, MIDC, Satpur, Nashik	01/06/2019 to 30/06/2019	1

		Mercedes Benz India Limited, Khed, Pune	17/12/18 to 10/2/19	1
		Patnson works,MIDC Ambad	2/06/2019 to 15/06/2019	3
		S. R. Engineering, C-34, M.I.D.C. Sinnar, Nashik	05/06/2019 to 20/06/2019	1
		Sai Automation, Talwade, Chinchwad, Pune	01/06/19 to 02/07/19	1
		SMP Autotech Pvt. Ltd., F95, MIDC Ambad, Nashik	02/06/2019 to 16/06/2019	2
		Tarapur Atomic Power Station 3 &4	01/06/2019 to 15/06/2019	1
		Quality Induction, M-38 MIDC Ambad, Nashik	01/06/19 to 15/06/2019	2
		Ring Plus Aqua Starter Gear Division, Musalgaon, Sinnar	26/04/2019 to 20/06/2019	1
		Internship on Hybrid & Electric Vehicle 2018	14/12/2018 to 20/12/2018	2
Industrial Training	Industrial training for Mechanical Engg. Faculty (7)	Naylon Fabrication	15/11/2018 to 29/11/2018	2
		Vedant Engineering Services	16/11/2018 to 30/11/2018	1
		Welcut Precision Engineering Vaishnavi Industries	16/11/2018 to 30/11/2018	1
		Cognifront Research Lab	19/11/2018 to 3/12/2018	1
		City Centre Mall	24/11/2018 to 8/12/2018	2
Project Work	Summer Internship Project for MBA Students (44)	Birla Precision Technologies Limited Satpur, Nashik	15/5/2019 to 15/7/2019	3
		YSL Digitech, Shalimar, Nashik		2
		JBM Auto Ltd Satpur, Nashik		1
		Nashik Merchant Bank , Cidco, Nashik		2
		HAL Company, Ojhar, Nashik.		3
		Business Bank, Nashik Road		3
		HDFC Bank, Nashik		1
		Muthoot Finance Ltd.		1
		Pimpalgaon-Baswant Machine House (India), Ambad,Nashik		1
		Sharekhan Nashik		2
		Shri Samarth Sahakari Bank Ltd., MG Road Nashik-1		1
		Right Tight Fasteners, Satpur, Nashik		1
		GSK A-10, Ambad,Nashik		1
		Siddhivinayak Distributors, Nashik		1
		Bhansali Honda,Tal-Rahta, Dist-A'nagar		1
		Elite Auto Engineers, Ambad Nashik		1
		CEAT, Satpur, Nashik		1
Sindia Steels Ltd. Sinnar, Nashik		1		
Kotak Mahindra Bank Ltd.		1		

	Panchavati, Nashik		1
	Jain Farm Fresh Food.Ltd		
	Shirsoli Road , Jalgaon		2
	Thurnrone Electronics,		
	Kamatwada, Nashik		1
	Vaijapur Gas Agency, Vaijapur,		
	Dist. Aurangabad		1
	Sanket Computer , Nashik		1
	Autoshell Electromech Pvt.		1
	Ambad, Nashik		
	Panchganga Automobile		1
	Agra road, Malegaon		
	HDFC Bank, Nashik		1
	Rahi Food Industries		1
	Jaulke, Dindori,Nashik		
	Modern I Infotech		1
	College road, Nashik		
	Dhumal Poultry Equipmente Pvt.		1
	Ltd. Satpur Nashik		
	Nilesh More and Associates,		1
	Nashik		
	Shri Swamisamratha Hardware		1
	and paint, Dindori		
	Karda Construction Ltd.		1
	Nashik Road.		
	Machine House Satpur Nashik		1

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Meridian Technics	01/08/2018	Industrial visit, Training to students, Guest lectures, Industrial projects for B.E. Chemical Engg.	04
Janardhan Fuels	03/08/2018		07
Sigma Chemical Industries	06/08/2018		04
CPAG, Nashik	18/6/2019	Lab Development, Internship, Training, workshop, Seminar for Computer Engg.	NIL
SWS Financial Solutions Pvt. Ltd.	September 2018	SIP, Placement, Training for MBA	All MBA-I and MBA-II Students

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
14,33,19,700.00	15,23,17,153.00

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	40799.70 sq.mts.	---

Class rooms		42	Nil
Laboratories		88	Nil
Seminar Halls		11	Nil
Classrooms with LCD facilities		42	Nil
Classrooms with Wi-Fi/ LAN		42	Nil
Seminar halls with ICT facilities		11	Nil
Video Centre		Nil	Nil
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	Chemical Engg.	7	1
	Civil Engg.	45	5
	Computer Engg.	64	2
	Electrical Engg.	36	1
	E&TC Engg.	09	1
	IT	16	1
	Mechanical Engg.	42	3
	Production Engg.	25	4
	MCA	13	Nil
Value of the equipment purchased during the year (Rs. in Lakhs)	Chemical Engg.	84,51,054	1,82,858
	Civil Engg.	1,99,18,315	12,82,150
	Computer Engg.	5,41,24,676	9,36,699
	Electrical Engg.	3,09,98,502	8,94,863
	E&TC Engg.	3,51,54,092	3,04,488
	IT	1,25,36,431	2,08,180
	Mechanical Engg.	2,04,05,700	6,27,574
	Production Engg.	1,80,91,014	13,40,577
	MCA	84,67,793	3,77,136
MBA	13,72,775	3,39,574	
Others -NIL			

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System -ILMS }

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Librarian Software (LIBSUITE)	Fully	Ver 5.6	2000

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	87383	2,50,76,797	759	3,48,174	88142	2,54,24,971
Reference Books						
e-Books	2632	6,90,000	4186185	1,00,300	4188817	7,90,300
Journals	266	13,33,373	211	5,68,217	211	5,68,217
e-Journals	9062	44,30,270	9068	61,22,043	9068	61,22,043
Digital Database	11					
CD & Video	3787	52,486	22	--	3809	52,486
Library automation	1	80,000	0	--	1	80,000
Weeding (Hard & Soft)	10197	6,57,117	0	--	10197	6,57,117
Others (specify)	--	--	--	--	--	--
News Paper	12	21,588	13	22,549	13	22,549

Kindle E-book Reader	10	66,836	--	--	10	66,836
KIBO	--	--	1	40,506	1	40,506
User Tracking System	--	--	1	20,060	1	20,060
Knimbus eLibrary Platform	1	1,97,200	1	2,30,100	1	2,30,100
Membership of other Libraries 1) IIT, Bombay 2) ARAI, Pune, 3) S. P. Pune University, Regional Library, Nashik.	3	33,540	3	38,940	3	38,940

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	1625	36	Available on Computer Systems	Library 45	Nil	16	1478	240Mbps	T&P – 76 Exam - 10
Added	--	--	--	--	--	--	--	--	--
Total	1625	36	Available on Computer Systems	Library 45	Nil	16	1478	240Mbps	T&P – 76 Exam - 10

4.3.2 Bandwidth available of internet connection in the Institution (Leased line):

240 MBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NPTTEL Video Lectures	http://192.168.3.202/
E&TC- Departmental Local Server	ftp://192.168.48.162/
YouTube Channel for Microcontrollers by Dr. M. R. Admane	https://www.youtube.com/channel/UCGb-H3VKYA_CASQ18e2y0Dw
YouTube Channel for Basic Electronics Engineering by Dr. S. A. Patil	https://www.youtube.com/channel/UC0nGnm6l94M59xj2xrYTNcg

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

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e-content
Prof. G. N. Jadhav	Basic Electrical Engg.	Google classroom, ELIADEMY	16/08/ 2018
Prof. G. N. Jadhav	Power System II	Google classroom, ELIADEMY	01/01/ 2019
Dr.M.R.Admane	http://kkwtemicrocontrollers.blogspot	Web	July 2016

	ot.com/		
Prof. S. S. Bhabad	http://ssbhabad.blogspot.com	Web	02/07/2018
Dr. S. P. Ugale	http://sunitaugale.blogspot.com	Web	28/06/2018
Prof. V. R. Lele	http://vrlele.blogspot.com	Web	28/06/2018
Prof. S.V.Shelke	http://svselec.blogspot.com	Web	28/06/2018
Prof. Dr. S. Y. Kute	https://www.youtube.com/channel/UCh9p9SOH4gmXa5AL_I6PoSw	Youtube links of official channel	
Prof.M.B.Murugkar	Mechanics in Minutes with Milind Murugkar	Youtube links	26/01/2018
Prof.M.B.Murugkar	Terrific Thermodynamics with Milind Murugkar	Youtube links	24/06/2018

4.4 Maintenance of Campus Infrastructure

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

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
92,18,900	2,13,58,517	62,61,300	1,79,63,066

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

https://engg.kkwagh.edu.in/media/post_image/Maintenance_Policy.pdf

- Well equipped laboratories, state of art library, well ventilated ICT enabled classrooms, tutorial rooms, seminar halls and faculty rooms are available.
- Additional facilities are created to fulfill the requirements whenever needed.
- The library has well demarcated space for book stacking, processing section, circulation section, book bank, reading room, periodical section, reference section, e-library, audio-visual section and offices for librarian and Professor In charge (Library).
- The institute has developed fully dedicated infrastructure, Dr. A P J Abdul Kalam Career Development Centre, for conducting training and placement activities comprising of two computer labs, group discussion and interview rooms and also Video Conferencing facility.
- ‘Construction and Maintenance’ unit of K. K. Wagh Education Society takes care of maintenance of all buildings in the campus which includes civil work modifications, building repairing, road repairing, plumbing, colouring etc. This unit prepares estimate of the proposed work and obtains approval from management. Small repairing and maintenance works are carried in-house; whereas, for the execution of major works contractors are appointed.
- ‘Construction and Maintenance’ unit also monitors housekeeping and cleaning of water tanks and sanitary blocks. An external agency is appointed for cleaning of all water tanks of the campus on contractual basis.
- ‘Furniture and Maintenance’ unit of K. K. Wagh Education Society fulfills the requirement regarding fabrication and maintenance of furniture in the institute.
- ‘Gardening’ unit of K. K. Wagh Education Society maintains the campus green and nature friendly. The plants and lawns are irrigated through well designed sprinkler system.
- The maintenance of all the electrical works in the campus is taken care by maintenance wing of department of electrical engineering.
- The maintenance and repairing of the equipments is done by the respective departments with the

help of technical assistants and services of external agencies are also hired for major and critical troubleshooting.

- Each department of the institute carries out the maintenance and calibration of the equipments and measuring instruments periodically.
- Silent Diesel Generator sets of capacity 320KVA is provided for 100% power backup during interruption.
- Adequate numbers of UPS are installed in each department to ensure uninterrupted power supply for all computers and electronic equipments.
- To store and supply water, eleven underground water tanks (total capacity 3,32,000 liters) and 17 elevated water tanks (total capacity 3,74,000 liters) are in use in the campus. Eleven pumps are installed to pump the water from underground water tanks to elevated water tanks.
- Water coolers and Water purifiers are installed in all departments of the institute for safe drinking water, the maintenance of which is carried out periodically.
- The fire safety system is installed according to IS 14435:1997.
- Fire Hydrant systems and alarm systems are in service since 27/05/2013.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Institute Merit Scholarship	199	9,85,000
Financial support from other sources			
a) National		Nil	Nil
b) International		Nil	Nil

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Remedial coaching	2018-19	74	Department of Computer Engg., Electrical, IT, MCA
Mentoring	2018-19	2375	Faculty from Departments
Language lab	2018-19	422	Electrical, IT, MCA, MBA
Career Guidance Cell (E&TC)	2018-19	Students of TE & BE of E&TC Engg	IAS, IES and Gate Qualified Persons
Audit Course on Yoga and Meditation (IT)	5/1/19, 12/1/19, 9/2/19, 23/2/19, 28/2/19	67	Sunanda Sakhdev, Yoga Trainer, Yoga Vidyadham, Nashik
Soft Skill Development (MCA)	12 th Oct.2018	20	Gokhale's Advanced Training Institute, Jalgaon
Konfident- Soft Skill Development and Confidence Building Programme (MBA)	5 th to 9 th March 2019	39	Focus Academy for career enhancement
TPO Connect for BE students	27th June,2018	186	K K Wagh IEER-

			T&P Cell
Indian Navy Motivational talk	30th June,2018	65	Indian Navy
TPO Connect for BE students	29th June,2018	123	K K Wagh IEER-T&P Cell
BE TPO Connect	2nd-3rd July,2018	243	K K Wagh IEER-T&P Cell
BE 2018-19 Aptitude Test 2	10th Jul,2018	444	K K Wagh IEER-T&P Cell
TPO Connect TE students	11th July,2018	66	K K Wagh IEER-T&P Cell
MCA TPO Connect	11th July,2018	70	K K Wagh IEER-T&P Cell
Pratiti Aptitude Test	16th Jul,2018	434	K K Wagh IEER-T&P Cell
TPO Connect TE students	21st July,2018	82	K K Wagh IEER-T&P Cell
FE Induction Programme	26th-31st July,2018	700	K K Wagh IEER-T&P Cell
Arxxus Campus Interview Aptitude Test	11th Aug,2018	64	K K Wagh IEER-T&P Cell
ABB Aptitude Test 1	6th Sept,2018	64	K K Wagh IEER-T&P Cell
MBA Mock Interview Online Aptitude Test	6th Sept,2018	34	K K Wagh IEER-T&P Cell
Epic Research Aptitude Test	10th Sep,2018	69	K K Wagh IEER-T&P Cell
TPO Connect MBA	11th Sept,2018	32	K K Wagh IEER-T&P Cell
CSI & Training and Placement Aptitude Test	14th Sept,2018	179	K K Wagh IEER-T&P Cell
CSI and T&P online test	14th-15th Sept,2018	108	K K Wagh IEER-T&P Cell
ABB & TCS Online Aptitude Test	17th Sept,2018	289	K K Wagh IEER-T&P Cell
Mock Campus Interview for ABB and TCS	17th-20th Sept,2018	82	Career Launcher-External Delegates
Mr. Subodh Deshmukh Workshop SE students	17th-22nd Sept,2018	525	Mr. Subodh Deshmukh
What after engineering by Mr.Amol Doiphode, Manager ACE Engg. Academy	27th Sept,2018	17	ACE Engg. Academy
SAEE and T&P aptitude test	28th Sept,2018	76	SAEE, KKW
ABB Shortlisted Mock Interview	20th Oct,2018	20	Mr. Sagar Laddha
Crompton Greaves Mock	16th Dec,2018	43	K K Wagh IEER-T&P Cell
Webnoise	20th Dec,2018	18	K K Wagh IEER-T&P Cell
Mock GD and PI session	22nd Dec,2018	70	External Delegates
Zensar Meeting TE students	28th Dec,2018	40	K K Wagh IEER-T&P Cell

TPO Connect with Navy shortlisted students	30th Oct,2018	28	K K Wagh IEER-T&P Cell
ACE Company Specific Mock Test	2nd Jan,2019	25	K K Wagh IEER-T&P Cell
TPO Connect TE students	2nd-5th Jan,2019	589	K K Wagh IEER-T&P Cell
3 days training on C programming	4th-6th Jan,2019	30	DoCE/T&P Cell
Face Training 1st phase	5th-9th Jan,2019	58	Face Focus Academy
Universal Training 1st phase	5th-9th Jan,2019	107	Universal Academy
TCS HR Head webinar career options	10th Jan,2019	8	TCS
Practice Test for TE 18-19	11th Jan,2019	99	K K Wagh IEER-T&P Cell
Infosys Practice Test	11th Jan,2019	25	K K Wagh IEER-T&P Cell
Zensar Employability Skills Development Training	24th - 29th Jan,2019	39	Zensar RPG Foundation
FinIQ Internship Practice Test 1 for TE	29th Jan,2019	48	K K Wagh IEER-T&P Cell
FinIQ Internship Practice Test 2 for TE	30th Jan,2019	16	K K Wagh IEER-T&P Cell
Akhay Study Abroad Counselling Session	31st Jan,2019	93	Akshay Study Abroad
Indian Air Force motivational talk and career options	1st Feb,2019	251	Indian Air Force
2nd Practice Test for TE 18-19	6th Feb,2019	101	K K Wagh IEER-T&P Cell
Aptitude Test myexamo	6th Feb,2019	75	K K Wagh IEER-T&P Cell
Torrent Power Mock Test	7th Feb,2019	18	K K Wagh IEER-T&P Cell
Torrent Power Mock test	7th Feb,2019	21	K K Wagh IEER-T&P Cell
Myexamo practice test TE Civil-2nd shift	7th Feb,2019	63	K K Wagh IEER-T&P Cell
E-zest Mock Test	11th Feb,2019	40	K K Wagh IEER-T&P Cell
Higher study Mtech seminar	20th Feb,2019	13	ACE Academy, Hyderabad
Mr. Subodh Deshmukh Workshop SE students	21st-22nd Feb,2019	39	Mr. Subodh Deshmukh
KSB Pumps Practice Test	14th Mar,2019	18	K K Wagh IEER-T&P Cell
TPO Connect BE Production students	14th March,2019	41	K K Wagh IEER-T&P Cell
TPO Connect MCA students	16th March,2019	69	K K Wagh IEER-T&P Cell
NSA Ajit Doval's talk webinar	19th March,2019	60	MHRD
TPO Connect FE students	26th March,2019	250	K K Wagh IEER-T&P Cell

TPO Connect FE students	27th March,2019	110	K K Wagh IEER-T&P Cell
TPO Connect FE students	1st April,2019	140	K K Wagh IEER-T&P Cell
TPO Connect with unplaced students	2nd April,2019	125	K K Wagh IEER-T&P Cell
Meeting with unplaced students	4th April,2019	51	K K Wagh IEER-T&P Cell
Study abroad programme - talk on Germany for further studies	5th April,2019	4	K K Wagh IEER-T&P Cell
BOSCH April 2019 (E&TC)	10th Apr,2019	116	K K Wagh IEER-T&P Cell
BOSCH April 2019 (Mechanical)	10th Apr,2019	145	K K Wagh IEER-T&P Cell
BOSCH April 2019 (Computer)	10th Apr,2019	74	K K Wagh IEER-T&P Cell
Mswipe Technologies Seminar for Internship	29th May,2019	74	Mswipe Technologies
Universal Training 2nd phase	26th-30th June,2019	95	Universal Academy
Face Training 2nd phase	27th Jun-1st July,2019	132	Face Focus Academy
KPIT shortlisted students mock campus interview	31st July,2019	47	External Delegates

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

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2018-19	Language Lab, Career counselling through ACES, Soft Skill Development (Chemical)	87	68	0	19
	GATE Orientation (Civil)	04	114	04	NIL
	Expert lectures (Electrical)	130	130	02	45
	Career Guidance Cell (E&TC)	200	112	02	--

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

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
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01		01		1month	
5.2 Student Progression					
5.2.1 Details of campus placement during the year					
On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
ABB	40	3	Ampcus Tech Pvt. Ltd.	5	1
ABL Infrastructure Pvt. Ltd.	14	4	ARAI	6	1
Aloha Technology	125	1	Arima Systems Pvt. Ltd.		1
Amlidaz Softwares	26	1	Atos Syntel	75	10
Aress Software and Education Technologies	103	10	Bhor Industries Ltd.	10	1
CG Power and Industrial Solutions Ltd.	100	5	Catapharma Chemicals Pvt. Ltd.	10	3
Chemito Infotech Pvt. Ltd.	27	4	Destek Infosolutions		2
Cholamandalam Investment and Finance Company Ltd.	34	2	Dream Green Petrochem Pvt. Ltd.		1
Cognizant	215	10	Euronet world wide		1
Dynacorp Engineering Pvt. Ltd.	18	1	Future Market Insights		1
Eleation	38	2	Global Nonwovens	7	2
Emerson Electric	60	3	Globe Chemie	6	1
Epic Research	67	19	Infosys	150	48
Eternus Solutions Pvt. Ltd.	145	5	Onval Technologies Pvt. Ltd.	40	2
FACE	102	5	PropertyPistol Realty Pvt. Ltd.		1
Federal Bank	109	4	Roongta Group		2
FinIQ	142	21	Softdel		3
Goodyear	63	1	Trixware Technologies		1
Gujarat Ambuja Exports Ltd.	11	1	Web Soft IT Solutions		1
Hind Rectifiers Ltd.	27	8	Webwing Technologies		1
Icertis	161	1	WinFoster Technology Pvt. Ltd.		1
Jaro Education	133	2	Rohan Motors	-	1
JFE Engineering Corporation	37	1	Bajaj Finserv Direct Ltd	-	2
JSW Steel Ltd. Dolvi	70	7	HOH Tech Labs Pvt.	-	1

			ltd		
Konark Global Pvt. Ltd.	32	1	Justdial	-	2
KPIT Technologies	34	15	Yashaswi Academy For skills	-	1
KSB Pumps Ltd.	126	5	Maharajgar Kendra	-	1
Larsen & Toubro	55	1	Kalyani Tecnoforge Ltd.	-	1
Lupin Ltd.	39	2	INB Services Pvt. Ltd	-	1
Mahindra & Mahindra Ltd.	401	10	Manavata Cancer Centre, Nashik	-	1
Mindstix Software Labs Pvt. Ltd.	50	1	Alpha Bio Sales Corporation, Pimpalgaon-Basawant	-	1
MSL Driveline Systems Ltd.	13	4	The Aces , Nashik	-	1
Mufront Technologies Pvt. Ltd.	79	1	Quess, Nashik	-	1
Neilsoft Limited	15	2	M/S DEV Construction Nashik	-	1
Net2Source	24	1	ICICI Bank Nashik	-	1
Netwin Infosolutions Pvt. Ltd.	124	5	Life Care Hospital Nashik	-	1
Nikhil Medico	34	3	Solidarity Group	-	1
Persistent Systems	100	11	Datamatics Nashik	-	1
Pin Click	17	10	Renault Motor Nashik	-	1
Portescap India Pvt. Ltd.	96	3	HCL Technology Pune	-	2
Praj Industries	65	2	Positive Metering Pump Pvt Ltd	1	1
Pratiti Technologies Pvt. Ltd.	60	2	Kelkar Dynamics LLP	1	1
Preeti Engineering Works	29	5	Jindal Polyfilms Ltd, Igatpuri, Nashik	1	1
Qspiders	27	10	VIP Industries Limited	1	1
Reliance Jio	50	2	Mahindra & Mahindra Ltd, Nashik	1	1
ResearchInn Investment Advisor	36	9	Glatt Systems Private Ltd Pune	1	1
Rishabh Instruments Pvt. Ltd.	248	2	Tata Motors Pune	1	1
Spectrum Electrical Industries Ltd.	12	4	Trainee Engineer VIP Industries Nashik	1	1
SSM InfoTech Solutions Pvt. Ltd.	15	3			

Sunita Engineering Corporation	50	9			
SVI Carbon Pvt. Ltd.	24	3			
Tata Motors Ltd.	24	16			
Tavisca Solutions Pvt. Ltd.	69	2			
TCS	80	48			
Torrent Power	52	1			
Toyo Engineering India Ltd.	20	2			
UMS Technologies Ltd.	20	2			
VIP Industries Ltd.	54	12			
Winjit Technologies	96	9			
Wipro	100	15			

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018-19	02	B.E. Computer Engg.	Computer Engg.	University of Texas Dallas	Information Technology and Management Masters Program
	01	B.E. Computer Engg.	Computer Engg.	University of California	MS
	01	B.E. Electrical Engg.	Electrical Engg.	Amruta Vishwvidyapitham	M. Tech (Power System)
	01	B.E. Electrical Engg.	Electrical Engg.	University of Texas	M. S.
	03	B.E. E&TC Engg.	E&TC Engg	1.Centre for modelling and simulation, SPPU 2.PUMBA,Pune 3.PTVA's Institute of Management, Mumbai.	M.Tech. (Mathematical Modelling & simulation) MBA MMS
	04	B.E. Electronics Engg.	E&TC Engg.	1.Naveen Jindal school of Management, University of Texas Dallas, 2.Graduate School of Engineering Northeastern University, Boston 3.Golden Gate	Master program in Information technology, Master of Science,

				University, San Francisco 4.VPM's Dr. V.N. Bedekar Institute Of Management Studies, Mumbai	M.B.A
	01	B.E. IT	IT	VIT, Pune	M Tech - IT
	01	BE Mechanical Engg.	Mechanical Engg.	Illinos Institute of Technology	Master of Design
	06	B.E. Production Engg.	Production Engg.	COEP, Pune, IBS Hyderabad, MIT Institute of Design, Pune, IGTR, Aurangabad	M. Tech, MBA, PGDTD

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

Items	No. of Students selected/qualifying	Registration number/roll number for the exam
NET	--	--
SET	--	--
SLET	--	--
GATE	Civil Engg.- 04	CE19S72072301, CE19S82072681, CE19S82072445, CE19S82072705
	Computer Engg.-08	CS19S32074274, CS19S32074404, CS19S32074377, CS19S32074192, CS19S32074257, CS19S32074142, CS19S32074130, CS19S32074702
	E&TC Engg.- 02	EC19S52072350, EC19S52072421
	Mechanical Engg.- 11	ME19S12074284, ME19S12072506 ME19S12072667, ME19S12074248 ME19S22072603, ME19S12073056 ME19S12072722, ME19S22072749 ME19S12072332, ME19S22072335 ME19S22072724
	Production Engg.-03	PI19S42072167, PI19S42072223 PI19S42072367
GMAT	--	--
CAT	Computer Engg -01 Mechanical Engg -02	8056616, 8088039, 8037500
GRE	Computer Engg -06 Mechanical Engg -02 Electrical Engg.-01	4863727, 4863726, 4059347, 4178106, 4255715, 3677995 Z4945410, 5025661 4759124
TOFEL	Computer Engg -04	34453996, 34446298, 34676085, 34495390
Civil Services	NIL	NIL
State Government Services	Civil Engg. - 04 Electrical Engg. - 01	AU014207, MB011092, MB003120 30473
Any Other	Civil Engg -NICMAR-02 Computer Engg -03	31039529, 31095440 (MBA CET),

				195679(IELTS)			
5.2.4 Sports and cultural activities / competitions organised at the institution level during the year							
Activity		Level		Participants			
Inter-National Yoga Day		Institute level		All Institute Employees and students.			
Cricket Men		Nashik District Inter-College level		15 team participation and 240 players.			
Football Men		Nashik District Inter-College level		26 team participation and 416 players.			
Karmaveer Premier League (Football, Volleyball, Basketball,Cricket)		Inter-Department college level.		41 team participation and 471 students participation.			
KSF Tournament (Football, Cricket, Volleyball, Basketball, Lawn Tennis)		State level Inter-Engineering Invitational Tournament.		33 team participation and 367 student participation.			
5.3 Student Participation and Activities							
5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)							
Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student	
2018-19	Bronze Medal	National	Para-Badminton	-	1032080026	Nilesh Gaikwad	
	Bronze Medal	Inter-University (National level)	Cricket	-	0118252008	Mansi Manoj Patil	
	1st Prize	National		Drama	0117042005 0116041014 0117042012	Megha Gawali Akanksha Gadhakh Nisha Gade (Civil Engg.)	
	Participation	Inter-University (National level)	Handball	-	0116312002	Tejal Dilip Kapadne (Civil Engg.)	
	1 st Prize	AHOY 2019,IMRT college, State level inter-collegiate			Fashion Show (Theme)	0117096311	Sayali Malgave, Danish Pirzadda (MCA)

	First prize	AHOY 2019,IMRT college, State level inter- collegiate		Personality Contest	01160960 33	Danish Pirzadda (MCA)
	Second Prize	K.K.Wagh Smruti Chashak - 2018, KWIEER, Nashik	Football		01170960 42	Anshu Kushwaha (MCA)

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

The institute has student representatives in many of the academic and administrative bodies for effective functioning which are listed below:-

- Anti Ragging Committee
- Training and Placement
- Student Council
- National Service Scheme (NSS)
- Cultural/Sports Committee
- ISTE, SAE, IET, ISHRAE, CSI & ACM Students' Chapter
- Ganesh Festival Committee
- Students associations of each department
- College Development Council
- IoT Club, Astro Club, RedX Club, Financial Literacy Club, White Spot Club,

Each department has active student association which organizes various activities for development of students. The students' associations of various departments are -

- Association of Chemical Engineering Students (ACES)
- Civil Engineering Students' Association (CESA)
- Debuggers Club
- EFFECT
- Student Association of Electronics Engineering (SAEE)
- ITERON Club
- Mechanical Engineering Students' Association (MESA), KK Motor Sports Club
- Production Engineering Students' Association (PESA)
- ABACUS Club
- Management Studies Students' Association (MSSA)
- First Year Engineering Students' Association (FESA)

Every year, a Student Council is constituted as per the notification issued by the university, under the provisions of section 40 (2) (b) of the Maharashtra Universities Act, 1994 and comprising of following members:

- Principal
- One teaching faculty member nominated by the Principal
- National Service Scheme Program Officer
- One student from each class, who has shown academic merit at the examination held in the preceding year and who is engaged in fulltime studies in the college, nominated by the Principal.

- Director of Sports and Physical Education
- One student member from each of the following fields, who has shown outstanding performance, nominated by the Principal,
 - Sports
 - National Service Scheme (NSS)
 - Cultural activities
- Two lady student members nominated by the Principal

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

Yes, the institute has a registered Alumni association (Registration No.: Maharashtra/7828/2003/Nashik Dated: 17/1/2003).

Alumni association of K. K. Wagh College of Engineering, Nashik is registered under the Societies registration act 1860 (29) with effect from 17/1/2003 having registration number Maharashtra/7828/2003/Nashik. The main objectives of alumni association includes promoting and fostering mutually beneficial interaction between the alumni and the present students of Institute and also between the alumni themselves, encouraging them to take an active part in the work and progress of the Institute and also to generate funds for students and alumni welfare. The alumni association of K. K. Wagh College of Engineering, Nashik is actively engaged in organizing annual alumni meet, special focus alumni meets, opening new chapters and promoting alumni-faculty interaction through enhancing alumni participation in various events organized by institute/departments, seminars, expert talks etc. During years 2013 to 2018, three alumni meets at the Institute; three special focus meets; two alumni meets abroad at Hoston and San Hose, US; one Alumni meet at Bangalore; one alumni meet at Pune; two silver jubilee alumni meets at Institute for 1992 and 1993 batches were organized. To increase alumni participation in day to day activities of alumni association, a new governing body is also elected. Online registration facility is made available on the Institute website. The institute effectively networks and collaborates with alumni which have seen a progressive increase in the number of alumni interacting with the students every year.

Role of Alumni in Development of Institute

1. Providing placement assistance to students by conducting campus interviews.
2. Helping students to get projects and in plant training.
3. Providing expert talk/conducting seminars.
4. Providing career guidance to the students.
5. Contribution in syllabus preparation.
6. Examiners for various university exams
7. Sponsorship for various events organized by the Institute.

Office bearers of Alumni Association

Sr. No.	Name of Member	Designation
1	Dr. Keshav Nilkanth Nandurkar	Chairman
2	Dr. Shirish Shrikrishna Sane	Vice- Chairman
3	Dr. Padmakar Jagannath Pawar	Chief Secretary (Sarchitnis)
4	Mrs. Rajani Sachin Deshmukh	Secretary (Chitnis)
5	Dr. Pravinchandra Damodar Dhake	Treasurer
6	Shri. Ajinkya Balasaheb Wagh	Member
7	Shri Mane Venkat Suryabhan	Member
8	Barve Vasant Dattatray	Member
9	Prof. Vijay Sukdev Tarle	Member
10	Prof. Watpade Atul Daulatrao	Member
11	Shri. Atul Gopinath Sonje	Member

5.3.2 No. of ~~registered~~ enrolled Alumni: 3700 (On Almashine Web portal)

5.3.3 Alumni contribution during the year (in Rupees) : **NIL**

5.3.4 Meetings/activities organized by Alumni Association :

1. Silver Jubilee Alumni Meet for 1993 graduates on 29th Dec. 2018 at K. K. Wagh IEER, Nashik (42 alumni attended)
2. The Epic: 2019 K. K. Wagh College Alumni Meet on 18th May 2019 at University of Houston, Sugarland Campus, USA. (15 alumni attended)
3. Alumni Meet at Vadodara on 03May 2019

Silver Jubilee Alumni for 1993 Graduates

Silver Jubilee Alumni meet for 1993 graduated Alumni (and all Alumni graduated before 1993) was organized by 'Alumni Association of K. K. Wagh College of Engineering Nasik.', on 29th December 2018 at K. K. Wagh Institute of Engineering Education and Research, Nasik. Alumni visited their respective departments and interacted with the faculty. The main function was held in P. C. Ray Hall of Chemical Engineering Department. Hon. Dr. V. D. Barve (Ex-Principal, K. K. Wagh IEER) chaired this function. Prof. Dr. K. N. Nandurkar (Principal, K.K.Wagh Institute of Engineering Education and Research) delivered the welcome speech and provided information about the progress of the Institute. Dr. S. S. Sane delivered guiding speech to Alumni. Dr. P. J. Pawar (Co-ordinator, Alumni Association) briefed about activities of Alumni Association. Alumni gathered for this meet shared their experiences and provided valuable suggestions for more effective working of Alumni association and overall development of Institute. Prof. P. D. Dhake proposed vote of thanks.



The Epic: 2019 K. K. Wagh College Alumni Meet

An alumni meet was arranged on 18th May 2019 at Houston, Texas, USA. Fifteen alumni members residing in Texas attended this meet. Mr. Sameer Wagh, Hon. Trustee of K.K. Wagh Education Society and Principal Dr. K.N. Nandurkar attended this meet on behalf of the Institute. Prof. Nandurkar presented the highlights of the institute and achievements of the students in various fields. Alumni suggested that institute should focus on holistic development of the students and introduce new courses based on technological changes.



Alumni Meet at Vadodara on 03May 2019

Alumni from 2012, 2017 and 2018 working in Vadodara were present for meeting on 03May 2019 followed by dinner organized in Hotel Kansaar, Unique Trade Center 101 Station Road, Vadodara, Gujarat 390001. Alumni were very happy for such kind of initiative by the institute. Alumni ensured that they will take some leads to increase placement of their Junior batches. Senior most alumni also guide their juniors about current scenario and their working experience in various industries. We connected all of them through a whatsapp group so that in future, if they need any help, they can contact any one from K K Wagh Alumni family.



CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The management of the institute has two main committees, Governing Body (GB) and College Development Committee (CDC). The role of the GB is to decide the policies for the smooth functioning of the institute. The GB decides the policies and gives directions to the institute through CDC for the effective implementation. The organizational structure of the institute is a blend of professional autonomy, individual accountability and well-defined administrative structure. Within this overall framework, faculty members have the operational autonomy in executing their teaching, research, training and consultancy activities. The departments are authorized to

- Implement the plans decided by management

- Execute Teaching learning process and assessment process
- Organise programmes for staff development
- Decide the final year projects, their scopes and outcomes
- Apply for funding and sponsorships from various organizations
- Organise skill development programmes for students of department

The institute promotes participative management. The institute constitutes committees for general and academic development which includes faculty, nonteaching staff and students' participation. Involvement and participation is ensured from every segment of the institute in decision making processes. Regular meetings of these committees are held for the effective and smooth functioning of the institute.

There are three levels of administrative structure under which all the activities of the institute are carried out.

Society level - The management of the institute is directed by Governing Body, whose members, are appointed in accordance with the guidelines provided by the Director of Technical Education, Savitribai Phule Pune University and AICTE.

Institute level - All the main decisions related to the institute are taken by the Principal in consultations with the Head of departments. Principal is the academic and administrative head of the Institute and the Member Secretary of the Governing Body.

Department level - The Heads of Department are responsible for the day-to-day administration of the department and report directly to the Principal.

In addition, any staff member of the institute can give suggestions for improvement. Students participate through different formal and informal feedback mechanisms. Suggestion box is kept in every department for suggestions from students. Staff members are encouraged to share experiences and best practices during interaction meetings with Advisory Committee. Management and Trustees are approachable and accept all suggestions.

6.1.2 Does the institution have a Management Information System (MIS)?

YES.

The institute intends to strengthen the teaching learning process by adopting latest technology for blended learning. To improve the administrative procedures and working, ERP system is implemented in the institute. Information regarding student attendance, class conduction as well as staff activity record is available for monitoring. The ERP system also aids in effective administration of various activities like admissions, student information, salary and accounts, leave management, staff profiles, online examination, feedback collection etc.

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Curriculum Development -

- Some of the faculty members of the institute are elected as a member/chairman of Board of studies in engineering of the university and they are playing active role in curriculum design and development.
- The faculty members are encouraged to participate in workshops for curriculum design and development organized by the university.
- The departments organize Curriculum Design workshops and FDP for implementation of revised curriculum.
- Feedback regarding curriculum are collected from faculty, employers and alumni. Most of the suggestions given by various stakeholders are communicated to concerned Board of Studies during up-gradation of curriculum.
- Experts from industry are also invited for syllabus revision meeting organized by institute on behalf of SPPU.
- Suggestions from industry personnel are noted during HR, SME and CEO meet.

Teaching and Learning –

Quality improvement in teaching & learning is achieved by strict adherence to academic calendar and activities laid down by the University and the institute. Following are the quality improvement strategies-

- Appointment of Dean, Academics.
- Publishing time-table with sufficient number of hours for lectures, labs, self-learning and extra-curricular activities.
- Remedial classes, Mentoring and Counselling to help students at individual level
- Contents beyond the syllabus are addressed through guest lectures, industrial visits, seminars, projects and in plant training.
- Participation and organization of Technical events
- Free access to e-resources.
- Lecture monitoring through student feedback and class observation feedback.
- Students are also encouraged to take up spoken tutorials made available online by IITB.

Examination and Evaluation –

- The institute follows all the evaluation reforms prescribed by the University. The University has directed appointment of Chief Examination Officer as single point contact for the Institute. The major reform is the introduction of In-semester examination. In-semester examination is either online or in written form in each theory course conducted by the University. Internal Assessment at ME, MBA, MCA is carried by concerned faculty as per the guidelines provided by the University.
- The University has introduced Semester wise Credit based Evaluation System from the academic year 2015-2016 for both UG as well as PG programmes. The University has provided the guidelines to grade the performance of a student by means of Semester Grade Point Average and Cumulative Grade Point Average.
- The Continuous Assessment Scheme for evaluation of laboratory work has been adopted by all the departments of the Institute.
- The institute has appointed examination coordinators for each department for smooth conduction of the examination as and when scheduled.
- The institute appoints internal senior supervisor for In-semester and End-semester theory examination.
- Online examinations are conducted in computer labs of respective departments. The Network Administrator takes care of installation of firewall security measures to ensure no malpractices during the online examination.
- Every classroom, laboratory and exam control room is under CCTV surveillance.

Research and Development -

- Appointment of Dean, R&D
- The institute encourages the faculty to apply for research funding and to collaborate with research organizations. Faculty members publish their research findings in conferences and in research journals. Faculty members are encouraged to undertake PhD programme. Faculty members are encouraged to become members of professional societies and participate in their activities.
- Conferences and seminars are organized by the institute/departments to attract researchers of eminence to visit the campus and interact with teachers and students.
- Awareness creation for obtaining IPR.

Library, ICT and Physical Infrastructure / Instrumentation-

- Downloading of available E-resources through Intranet on campus and remote access through Knimbus platform.
- Every year newly admitted students are provided with information brochure 'Know your library' through which students are made familiar with the facilities/services and resources available in the library.
- Kindle e-book reader facility is available in the reference section.
- Classrooms and seminar halls in the institute are ICT enabled.

- Various courses are being conducted through NME-ICT program under MHRD.
- Curriculum implementation and administration activities are managed through ERP.
- ‘Construction and Maintenance’ unit of K. K. Wagh Education Society takes care of maintenance of all buildings in the campus which includes civil work modifications, building repairing, road repairing, plumbing, colouring etc.
- ‘Furniture and Maintenance’ unit of K. K. Wagh Education Society fulfills the requirement regarding fabrication and maintenance of furniture in the institute.
- The maintenance of all the electrical works in the campus is taken care by maintenance wing of department of electrical engineering.
- The maintenance and repairing of the equipments is done by the respective departments with the help of technical assistants and services of external agencies are also hired for major and critical troubleshooting and calibration of the equipment.
- Silent Diesel Generator sets of capacity 320KVA is provided for 100% power backup during interruption.
- Adequate numbers of UPS are installed in each department to ensure uninterrupted power supply.

Human Resource Management -

The institute has the following mechanisms for better management and improvement in human resource:

- Recruitment of well qualified and experienced faculty as per AICTE/UGC norms
- Promotions as per AICTE/UGC norms
- Training needs are identified and programs of visiting/guest faculty are arranged as per the necessity
- The performance of the teaching faculty is regularly monitored and evaluated at the department level through feedback from students. Based on the feedback corrective measures are suggested for improving the overall performance of the teachers.
- The institute has a budget allocated for the professional development of the faculty for supporting activities like participating in paper presentation, seminars, conferences, workshops etc.
- Implementation of staff welfare schemes.

Industry Interaction / Collaboration -

- The students are encouraged to pursue their projects in the industry. Several final year projects are sponsored by the industry. This provides an opportunity for students as well as faculty to interact with the industry and to work on new trends and technology.
- The industry also supports the institute to arrange industrial visits and in-plant training.
- The institute organizes the ‘Chief Executive Officer (CEO) meet, the ‘Small and Medium Enterprise (SME) meet’ to discuss various issues regarding employability and curriculum gaps and to explore the areas of mutual benefits.
- The training and placement cell of institute has organized several ‘HR meet/ HR connect’ to have a direct connect with students to understand the industry expectations during placements.
- The faculty interacts with industry experts, whenever they have been appointed to conduct University project examinations and collect feedback from them to improve on project quality.
- To strengthen the interaction, the institute encourages industry sponsored projects and testing & consultancy projects and signing of MoU.
- Department of Electrical Engg in association with IET, Nashik local network organizes national level working project exhibition, ‘IET Karmaveer Expo’ every year. The industry experts and students of other institutes visit this exhibition and interact with the participants.

Admission of Students -

- Appointment of Dean, Admissions
- Entire admission process for First Year Engg., Direct Second Year Engg., First Year of Post Graduate Programme in Engg., MBA, MCA is defined by the Directorate of Technical Education (DTE),

Government of Maharashtra and the institute strictly follows rules laid down by the DTE. Every year, the DTE publishes the information regarding admission process on its website (dtemaharashtra.gov.in) and in admission brochure.

- Admission process is highly transparent from filling of application form to allotment of seats.
- The institute participates in centralized admission process (CAP) conducted by the DTE as an authorized application Facilitation Centre. All direct Second year UG admission is also carried out through CAP controlled by the DTE, Maharashtra.
- To ensure publicity, the institute publishes its information brochure every year; it is also available on its website (kkwagh.edu.in).
- The institute publishes its advertisement in local as well as national newspaper and it is aired on local FM radio channels.
- The institute participates in local education fair for guidance, counseling and advertisement.
- The institute arranges public lecture for awareness of admission process for students & parents.

6.2.2 : Implementation of e-governance in areas of operations:

- Planning and Development – Academic Calendar, Timetables, Course Teaching Plans, course material are uploaded by all teaching faculty in College ERP before the commencement of semester.
- Administration - To improve the administrative procedures and working, ERP system is implemented in the institute. Information regarding student attendance, class conduction as well as staff activity record is available for monitoring. The ERP system also aids in effective administration of various activities like leave management, staff profiles, feedback collection etc.
- Finance and Accounts – Complete Salary and Accounts Module available in College ERP
- Student Admission and Support – Complete Student Admission and Information module available in College ERP
- Examination – Institute is provided access to Online Examination Module of SPPU, Pune

6.3 Faculty Empowerment Strategies

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

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018 -19	Abhijit J. Pawar	International Conference on Smart Technologies for Energy, Environment Sustainable Development held during 28th - 29th July 2018 at G. H. Raisonni College of Engineering, Nagpur	-	5457/-
	Shital Wani	International Conference on Smart Technologies for Energy, Environment Sustainable Development held during 28th - 29th July 2018 at G. H. Raisonni College of Engineering, Nagpur	-	4590/-
	Dr. P. D. Dhake	Association of consulting civil engineers (India) is organising National	-	2550/-

	convention and exhibition (INFRA CR 2018) on sustainable urbanisation on July 27-28 2018 Nashik		
Prof. Sudarshan R. Vhatkar	One week QIP short term course “Analysis and Design of pavement highway Geometry”,(02-06 July 2018,IIT Bombay)	-	2000/- TA-DA
Prof. Snehal N. Chaudhari	One week QIP short term course “Advances in dynamic transportation systems”,(02-06 July 2018,IIT Bombay)	-	2000/- TA-DA
Prof. Chintaman D. Kadbhane	Two days Faculty development program on“ Hands on Training of Project Based Learning”,(29-30 June 2018,K.K.W. I.E.E.R Nashik)	IET (UK) Nashik local Network	1000/-
Prof. Chintaman D. Kadbhane	One week workshop on “Structural Health monitoring by full field measurement techniques and simulation models”,(16-22 June 2018 NIT Hamirpur Himachal Pradesh)	-	1500/-
Prof. Suhas U.Pandit	Two days workshop on Hands on Training of “Project Based Learning” (29 th – 30 th June 2018, KKWIEE&R Nashik)	IET (UK) Nashik local Network	1000/-
Prof. Suhas U.Pandit	Faculty development programme on “Analysis and Design of Pavement”, (02 nd – 06 th July 2018, Highway Geometry by IIT Bombay)	-	2000/- TA-DA
Prof. Abhijit Keskar	One week QIP short term course “ Soft skills Development: A Tool for effective Teaching”,(25-29 June 2018,IIT Roorkee)	-	3000/-
Prof. Nilesh A. Ahire	Two days workshop on Hands on Training of “Project Based Learning” (29 th – 30 th June 2018, KKWIEE&R Nashik)	IET (UK) Nashik local Network	1000/-
Prof. Yogeshkumar D. Gajmal	Faculty development programme on “Soft Skill Development : A tool for effective teaching” (25 th – 29 th June 2018, IIT Roorkee , UK)	-	3000/-
Prof. Swati B. Ghadoje	Faculty Development Programme on “Deep Foundations of Mega Structures” (27 th – 31 st August 2018, IIT Bombay)	-	2000/- TA-DA
Prof. Ganesh R.Sawant	Two days workshop on “Hands on Training of Project Based Learning” (29 th -30 th June 2018, KKWIEE&R Nashik)	IET (UK) Nashik local Network	1000/-
Prof. Ganesh R.Sawant	Faculty Development Programme on “Deep Foundations of Mega Structures” (27 th – 31 st August 2018, IIT Bombay)	-	2000/- TA-DA

Prof. Nilesh A. Ahire	Two days workshop on Hands on Training of “Project Based Learning” (29 th – 30 th June 2018, KKWIEE&R Nashik)	IET (UK) Nashik local Network	1000/-
Dr.D.M. Chandwadkar	Education Delegation to USA	-	7,58,862
R.R.Khinde	FDP on Computer network	-	1530
S.S.Dongare	FDP on RMT	-	1315
P.J.Mondhe	NPTEL course on effective engineering teaching in practice.	-	1200
P.J.Mondhe	FDP on mobile communication	-	2090
Snehalata Bhokare	NPTEL course on Bio medical signal processing	-	550
S. K. Shinde	Power Quality Analysis and Improvement Techniques	-	4616
M. R. Rade	Power Electronics for Distribution system and Electric Drives	-	6428
Ruchi Kumari	Power Electronics for Distribution system and Electric Drives	-	6428
S. A. Sagare	Power Electronics for Distribution system and Electric Drives	-	6428
S. S. Khairnar	Electrical and Hydride Electrical vehicle Technology	-	5720
T. N. Date	Education Today Society Tomorrow	-	7110
J. P. Shah	Electrical and Hybrid Electrical vehicle Technology	-	5230
J. A. Mane	Power Electronics for Distribution system and Electric Drives	-	6428
M. M. Gokarn	Electrical and Hybrid Electrical vehicle Technology	-	5220
S. G. Petkar	Power Quality Analysis and Improvement Techniques	-	4625
D. Y. Dubey	Mathematical Modelling and Scientific Computing	-	5358
S. K. Badjate	NPTEL-The Joy of Computing Using Python (12 weeks course)	--	550
P. B. Mahale	NPTEL-The Joy of Computing Using Python (12 weeks course)	--	550
P. R. Kadam	NPTEL-The Joy of Computing Using Python (12 weeks course)	--	1100
S. R. Deshmukh	One day Syllabus Orientation Workshop on BE IT (2015 Course)	--	1100
K. N. Somwanshi	One day Syllabus Orientation Workshop on BE IT (2015 Course)	--	1100
P. B. Mahale	One day Syllabus Orientation Workshop on BE IT (2015 Course)	--	1100
P. R. Kadam	One day Syllabus Orientation Workshop on BE IT (2015 Course)	---	1100
Y. P. Shewale	One day Syllabus Orientation Workshop on BE IT (2015 Course)	--	1100
Y. P. Shewale	Two day state level workshop on Internet of Things	--	760
R. M. Bora	Third National Conference on Recent Advances in Science & Engineering (NC-RASE 18, Shegaon,	--	3595
Dr. Saroj P. Dhake	State level workshop on Hypothesis Testing Techniques	--	500

	Tejal V. Patil	State level workshop on Hypothesis Testing Techniques	--	500
	Vaibhav Gaikwad	International Conference Technosocietal 2018 (Dec. 2018)	--	5800

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2018-19	--	Work Culture Workshop by Gokhale's Advanced Training Institute at KKWIEER, Nashik	22/09/2018	--	96
	Teacher training on Flipped learning	--	13/06/2018 & 14/06/2018	32	--
	MBA Faculty training Programme on 'Systat 13.2 software'	--	3/10/2018	8	--
2018-19	Lecture on Quality Awareness by Mr. Ayyaswami Sundaram	--	06/08/2018	63	--
	Guidance session on Outcome Based Education by Dr. Vikas M. Phalle, VJTI, Mumbai	--	16/01/2019	100	--
	NBA Guidance Session and Mock Assessment by Prof. Lingangauda Kulkarni, Hubli	--	08/02/2019 & 09/02/2019	50	--

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

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
One week QIP short term course "Analysis and Design of pavement highway Geometry"	3	02-06 July 2018
Two days Faculty development program on "Hands on Training of Project Based Learning"	4	29-30 June 2018
One week workshop on "Structural Health monitoring by full field measurement techniques and simulation models"	1	16-22 June 2018
One week TEQIP STTP on "Enhancing teaching learning process and research skills"	1	29 Oct 2018 - 2 Nov 2018
One week QIP short term course "Soft skills Development: A Tool"	2	25-29 June

for effective Teaching		2018,
Two days workshop on “ Flipped learning	3	13-14 June 2018
One week faculty development programme on “Structural Dynamics in random Environment and needs of the Industry	1	1 9-13 July 2018
Deep Foundations of Mega Structures	2	27/08 to 31/08/2018
Workshop on MATLAB	6	22 nd June 2018
Training on Flipped Learning	2	13 th and 14 th June 2018
Faculty Development Programme on Laboratory Practice I	1	10 th to 12 th July 2018
Faculty Development Programme on Cyber Security	1	29 th September 2018
Workshop on Artificial Intelligence and Deep Learning	2	13 th to 15 th June 2018
Training program Infor – ERP	4	17 th to 22 nd December 2018
Workshop on “current trends in bio medical instrumentations”	1	26 th to 27 th December 2018
Hands on training on Machine Learning	2	27 th to 29 th December 2018
Faculty Development Programme on Laboratory Practice III	1	21 st and 22 nd December 2018
Workshop on Block chain Technology	3	1 st and 2 nd February 2019
Faculty Development Program on, “Hands-on Training of Project Based Learning”	21	29-30 June 2018
NPTEL 8-week course on Electrical Distribution System Analysis	01	April-2018-Sept 2018
NPTEL 12-week course on Fundamental of Electrical Engineering	01	July 2018 –Oct 2018
NPTEL 4-week course on Effective Engineering Teaching in practice	01	Jan-2019- Feb. 2019
NPTEL 8-week course on Advanced Power Electronics and Control	01	Jan-2019- March 2019
NPTEL 4-week course on Teaching and Learning in Engineering	01	March-2019- May 2019
ICT based STC on 'Microcontroller and Embedded system through K"IT", conducted by Electrical Engineering, department NITITR, Chandigarh	07	25-29 March 2019
Power Electronics for Distribution system and Electric Drives	04	25 June – 4July 2018
Machine Learning online course from Stanford University	01	22 Sep 2018
Flipped Learning	04	13-14 June 2018
Power Quality Analysis and Improvement Techniques	02	18-23 June 2018
Electrical and Hybrid Electrical vehicle Technology	03	18-23 June 2018

Education Today Society Tomorrow, IofC, Asia Plateau, Panchgani	01	16-20 April 2019
STTP on NBA Through ICT In Collaboration with NITTTR Kolkata	14	17- 21 June 2019
NPTEL-The Joy of Computing Using Python (12 weeks course)	4	12 weeks course (June – Oct. 2018)
Revised BEIT (2015 Pattern) syllabus orientation-semester 1", subject STQA	1	14th June 2018
Training on flipped learning	2	2-day, (13th to 14th June 2018)
The Fundamentals of Digital Marketing	2	1-Day, Sept. 2018
Fundamental of Deep Learning for Computer Vision	1	1-Day, Sept. 2018
National level workshop on Recent Trends in Renewable Energy & Energy Storage	1	2-day,(23rd & 24th Nov. 2018)
One day workshop on National Programme on Technology Enhanced Learning	2	30th Nov. 2018
Two day state level workshop on Internet of Things	1	2-day,(3rd & 4th Dec. 2018)
Five day FDP on Android for Ubiquitous Computing	1	5-day, (10th to 14th Dec. 2018)
Hands of Training on Machine Learning	2	3-day,(27th Dec. to 29th Dec. 2018)
One day Syllabus Orientation Workshop on BE IT (2015 Course)	5	28th December 2018
Two day FDP on Ubiquitous Computing using Android Studio (BE IT 2015 Course)	2	2-day, 22nd & 23rd Jan 2019
Two day state level Workshop on Block-chain Technology	1	2-day, (1st & 2nd Feb. 2019)
NPTEL-AI: Knowledge Representation and Reasoning (12 weeks course)	1	12 weeks course (Jan. – Apr. 2019)
NPTEL-Microprocessors and Microcontrollers (12 weeks course)	1	12 weeks course (Jan. – Apr. 2019)
NPTEL-Big Data Computing (12 weeks course)	1	12 weeks course (Jan. – Apr. 2019)
NPTEL-Introduction to Internet of Things (12 weeks course)	1	12 weeks course (Jan. – Apr. 2019)

		2019)
Hands on training of project based learning	4	29/06/2018 And 30/06/2018
Training on “Infor ERP”	1	17/12/2018 To 22/12/2018
1 week FDP on “Geo Spatial Technologies and ICT”	1	27/11/2018 To 2/12/2018
Industrial Training at CODEFORMERS,Nasik	2	01/12/2018 To 15/12/2018
2 days state level workshop on”Blockchain Technology ”	1	01/02/2019 To 02/02/2019
One day hands-on workshop on “3D Painting”	1	16/2/2019
Udemy Online course of ” Introduction to internet of things and cloud”	1	24/04/2019
NPTEL Course equivalent to AICTE FDP	2	Jan –April 2019
Orientation Programme	4	15/05/2019
Short Term Course(STTP)	1	11/03/2019 to 16/03/2019
Faculty Development Programmes	1	28/09/2019 to 29/09/2019

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
-	49	-	123

6.3.5 Welfare schemes for

Teaching	<ul style="list-style-type: none"> • Group Insurance Scheme • Employees Provident Fund • Gratuity • EL Encashment • CL and ML as per rule • Quarter for Principal
Non teaching	<ul style="list-style-type: none"> • Group Insurance Scheme • Employees Provident Fund • Gratuity • EL Encashment • CL and ML as per rule • Workmen compensation facility • Uniform for security guards
Students	<ul style="list-style-type: none"> • Health Insurance Policy • Karmaveer Bhaurao Patil Earn & learn (E&L) scheme • Book Bank facility for SC/ST students

	<ul style="list-style-type: none"> Institute merit Scholarship Book bank scheme for advanced learners 			
6.4 Financial Management and Resource Mobilization				
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each) The institute ensures an internal and external audit of all its accounts. The accounts are reviewed internally by the Finance manager for proper utilization and queries, if any, are referred to Principal. The external audit is done once in a year by external auditors. The last audit was done on 31 st Aug.2019. No major audit objections were raised in the last audit.				
6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)				
Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose		
SPPU,QIP	34,979	Organising State level workshop on Block-chain workshop (Computer Engg.)		
National Natural Science Foundation of China (NSFC)	15,24,000 (150,000 RMB)	Research Fund for International Young Scientists to Dr.R.K.Munje		
SPPU, QIP	56,000	Workshop on DSP (E&TC Engg)		
6.4.2 Total corpus fund generated : Rs.2,31,10,113/-				
6.5 Internal Quality Assurance System				
6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
Audit Type	External	Internal		
	Yes/No	Agency	Yes/No	Authority
Academic	No	--	Yes	Internal audit team
Administrative	No	--	Yes	Internal audit team
6.5.2 Activities and support from the Parent – Teacher Association (at least three)				
Parent Teacher Meet in IT on 23 rd March 2019 Teacher- Parent Meet in Electrical Engg. held on 9 th March 2019 Teacher- Parent Meet in Electrical Engg. held on 7 th April 2018				
6.5.3 Development programmes for support staff (at least three)				
Work Culture Workshop by Gokhale’s Advanced Training Institute at KKWIEER, Nashik on 22/09/2018				
6.5.4 Post Accreditation initiative(s) (mention at least three)				
<ul style="list-style-type: none"> Appointment of three Deans Implementation of MKCL SuperCampus NBA Application of 8 departments 				
6.5.5				
a. Submission of Data for AISHE portal : YES				
b. Participation in NIRF : YES				

c. ISO Certification		: NO		
d. NBA or any other quality audit		: YES		
6.5.6 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from----to-----)	Number of participants
2018 -19	Teacher Training on Flipped learning	13/06/2018 & 14/06/2018	-	32 teachers
	Seminar on Copping with teenage by Dr. Shivde, Dr.Bhutada	30/06/2018	-	152 students
	Audit Course for students on Finance for engineers by Mr.Ravindra Deodhar, Mr. Harsh Deodhar, Mr.Nilesh Salgaonkar and Mr.Pramod Puranik.	Aug. To Oct. 2018	-	25 students
	Work Culture Workshop by - Mr.Devdatta Gokhale, GATI (Gokhale`s Advanced Training Institute)	22/09/2018	-	96 Supporting Staff
	Lecture on Quality Awareness by Mr. Ayyaswami Sundaram	06/08/2018	-	63 teachers
	Guidance session on Outcome Based Education by Dr. Vikas M. Phalle, VJTI, Mumbai	16/01/2019	-	100 teachers
	NBA Guidance Session and Mock Assessment by Prof. Lingangauda Kulkarni, Hubli	08/02/2019 & 09/02/2019	-	50 teachers
	MidSem and EndSem Teacher Feedback for all courses	17/08/2018 (Midsem) 22/10/2018 (Endsem) 25/02/2019 (Midsem) 22/04/2019 (Endsem)	-	Students of all classes
	EndSem Technical Assistant Feedback for all courses	22/10/2018 (Endsem) 22/04/2019 (Endsem)	-	Students of all classes
	Student Satisfaction Survey	30/05/2019	-	Final year students of all departments
	MKCL SuperCampus Implementation for all first year classes (for Engg. Mechanics subject)	Jan. to Apr.2019	-	9 teachers and all first year students
	Participation- I-Care project proposal	31/12/2018	-	---
	Application for NBA of 5 Departments	21/01/2019	-	Chemical, Computer, Production, E&TC, Electrical
	Application for NBA of 3 Departments	04/05/2019	-	MCA, Civil &Electronics
	Participation in INDIA TODAY-MDRA Best Colleges Ranking -2019	31/01/2019	-	---
Academic Administrative Audit (AAA) for Sem-I	19/10/2018 to 02/11/2018	-	11 Departments and 9 Support	

				sections
	Academic Administrative Audit (AAA) for Sem-II	25/04/2018 to 03/05/2018	-	11 Departments and 9 Support sections
	IQAC Meetings (02)	07/07/2019 & 22/02/2019	-	16 IQAC Members attended 17 IQAC Members attended
	NIRF Participation	05/12/2018	-	---
	Participation in AICTE-CII Survey	June 2018	-	---
	National Conference on Exploring New Dimensions in Teaching Learning for Quality Education	08/06/2019 to 09/06/2019		78 papers presented

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Title of the programme	Period (from-to)	Participants	
		Female	Male
Seminar on Life Skills by Dr.Sushama Bhosale	19/03/2019	62	--
Video Session on “Say No to Sexual Harrassment”	16/07/2018	596	--

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

- **Green Audit:**

The organization is very keen to promote green initiatives wherever possible, as a commitment towards better environment and conservation of energy. A lot of efforts have already been put up to bring down the carbon footprint. To further optimize consumption and identify saving opportunities, M/s ENCON Energy Management Services Pvt. Ltd., Mumbai, was assigned to carry out Green Audit of the premises.

- **Energy conservation:**

- The planning of the building encourages usage of natural lighting.
- The air ventilation is of excellent quality for almost all of the class rooms and other premises, specifically Central Library which is three storey building and is having polycarbonate roof with dome at central location to maximize the use of daylight.
- Energy efficient light fittings have been installed at many of the places.
- The fans with standard efficiency have been provided wherever required.
- Energy efficient computers and monitors have been procured. Less than 2% computers have CRT monitor. Rest all computers have TFT monitors.
- In most of the cases, the computers are switched off, when not in use.
- The fans & lights are switched off when not in use.
- The air conditioners are switched off, when not in use.
- To create awareness of energy conservation amongst students lectures are organized.
- All street lights are LED with timer based control.

- Power factor is maintained at unity by adequate reactive power management.
- **Use of renewable energy:**
 - Guest House and Boys Hostel are having FPC solar water heaters.
 - Five street lights are operated by solar PV system.
 - Solar Pump is installed for water pumping application at Girls Hostel.
- **Efforts for Carbon neutrality:**

Various initiatives are taken by the institute for green culture. Few are listed below-

 - Huge plantation and greenery has reduced CO₂ level considerably.
 - Solid waste is taken care by dispatching it for composting.
 - Environment friendly design of the building has promoted almost zero load of Air Conditioning system.
 - Energy efficient, star labelled air conditioners are used.
 - Few street lights are run by solar PV system.
 - Guest House and Hostels are having FPC solar water heating system.
 - Energy efficient computers and monitors have been procured. All computers have TFT monitors.
 - The premise has sufficient ventilation. Hence, air conditioners load is almost zero. ACs installed in corporate offices are rarely used.
- **Hazardous waste management**
 - Attempts are made to minimise the use of hazardous waste but in certain laboratories chemicals and batteries for UPS are necessary, in such areas concerned lab in charge is instructed to see that no incidence of fire takes place
 - Batteries are replaced regularly after expiry of their useful life
- **E-waste management**
 - The major e-waste such as written off instruments/equipments, CRTs, Printers, Computers.
 - Electronics gadgets, circuits, kits have been written off on regular basis and then it is sold out to buyers by auctioning.
 - All the miscellaneous e-waste such as CDs, batteries, fluorescent bulbs, PCBs and electronic items are collected from every department and office and delivered for safe disposal.
 - Useful parts of electronic gadgets like resistors, capacitors, inductors, diodes, transistors, thyristors etc. have been removed from the gadgets for reuse in practical /projects.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	15 (last five years)
Provision for lift	Yes	15 (last five years)
Ramp/ Rails	Yes	15 (last five years)
Braille Software/facilities	Yes	--
Rest Rooms	Yes	
Scribes for examination	Yes	
Special skill development for differently abled students	No	
Any other similar facility (Wheel Chair available)	Yes	

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

2018-19	02	09	26/01/2019	Project Rally	Display of Engg. Solutions to real life problems Awareness about Safe driving	200 students and 100 staff
			11/01/2019 to 17/01/2019	Road Safety Campaign	Awareness about Safe driving	250 students & 5 staff
			03/10/2018 to 06/10/2018	Cleanliness Survey	Cleanliness Awareness	57 students & 2 staff
			02/09/2018	Eco-Friendly Ganesh murti making workshop	Environmental Awareness	19 students & 4 staff & outside participants
			30/08/2018	Clothes Donation Drive for Kerala Flood Relief	Social Duties	58 students & 3 staff
			01/07/2018	Tree Plantation	Environmental Awareness	91 students & 3 staff
			21/06/2018	Yoga Day Celebration	Health Awareness	192 students & 20 staff & outside participants
			18/11/2018	Mahawalkat hon	Health Awareness	27 students & 2 staff & outside participants
			08/03/2019	Karmaveer Smruti Vyakhyanma la : Lecture by Deepak Ghalsasi	New Ideas for product generation	100 staff & outside participants
			26/06/2018	International Anti Narcotics day	Anti drug / alcohol Awareness	150 students and 5 staff
02/02/2019 & 14/02/2019	Inter-college Elocution competition- Vjigisha at Jalgaon and Nashik	Personality Development	28 participants at Jalgaon & 180 participants at Nashik & 5 staff			

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Code of	29/06/2019	The aim of education is the intellectual, personal, social, moral and ethical

Conduct		development of an individual. The educational process is ideally conducted in an environment that encourages reasoned discourse, intellectual honesty, transparency in all activities, openness to constructive suggestions / criticism, and respect for the rights of all individuals. Self -discipline and a respect for the rights of others in the institute campus are necessary for the fulfilment of such goals. The Code of Conduct for Faculty, Staff and Students are designed to promote this environment at the institute.
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7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
Seminar on “Inspiration for Future Culture” by Mr. Uday Thakare, Business Analyst & CEO, Dhanashree Technocrats Pvt., Ltd., Nashik	18 th August 2018	49 students of FE,SE & TE IT
Seminar on “Cracking the Professional Growth” by Mr. Ketan Agnihotri, Associate Consultant, Microsoft, Hyderabad	1 st February 2019	35 students of SE & BE IT
Seminar on “Professional Ethics” by Dr. Mahendra Nakil, Senior Engineer, Water Recourse Department, C.D.O, Meri , Nashik	22 nd March 2019	100 students of FE, SE & TE IT

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Annual Green Audit
- Use of Solar Heaters and Solar Lamps
- E-waste Management
- Solid waste management
- ‘Say No to Plastic’ Initiative

7.2 Best Practices

Describe at least two institutional best practices
 Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
 Best Practice I : Student Centered Teaching & Learning
 Best Practice II : Service Learning through Volunteering and Internships
 Link: https://engg.kkwagh.edu.in/iqac_detail/index/188

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust
 Provide the weblink of the institution in not more than 500 words
 Link: https://engg.kkwagh.edu.in/iqac_detail/index/188

The institute is committed for imparting quality technical education at affordable fees, to students from society at large. The institute is also committed for rural youth development and women empowerment.

The institute is known as a premier institute in engineering education with distinctive characteristics like senior and stable faculty force, continuous upgradation of labs with latest configuration of computers, software and peripherals, rich collection of books and online journal subscriptions, efforts for enhancing overall personality and communication skills and research and consultancy activities. The institute follows ethical practices and encourages Indian culture and value system. Research projects are undertaken by faculty and students for societal problems.

The institute is permanently affiliated to Savitribai Phule Pune University. The programmes offered by the

institute have been accredited by NBA, AICTE, New Delhi. In year 2003, six programmes and in year 2012, five programmes were accredited respectively. The Institute has been accredited by NAAC with grade A in 2018. Eight programmes have applied for NBA re-accreditation in 2019.

The institute has been appreciated by NIRF (Ranked 9th in Maharashtra state and 85th in India) in year 2016. The institute has received Platinum Institute Award in India through joint survey by AICTE-CII in 2016 & , 2018 and Gold Institute Award in 2017.

The institute has been ranked 5th in state and 142nd at national level in the survey conducted by EDU-RAND in Nov. 2014. This was an internet based survey and colleges were ranked on the basis of accreditation score, faculty qualifications, research productivity, fill rate and placement score.

The strengths of the institute therefore are –

- Good quality of students
- Significant number of University rank holders
- Well qualified and experienced staff members dedicated to quality improvement
- Excellent teaching learning environment
- Rich collection of books and digital library access in central library
- State of the art laboratories and infrastructure
- Efficient training and placement cell
- State of the art sports facilities and gymnasium
- Conducive environment for overall development of students
- Strong presence of alumni in industry at national and international level
- MoUs with industry for overall development of students
- Clean and eco friendly green campus
- Recognition from various accreditation agencies

Hence, the institute aims at becoming an autonomous institute with courses aligned with industrial and societal needs.

8. Future Plans of action for next academic year (500 words)

- Planning & Preparation for two NBA visits of 8 departments.
- Application for NBA of Mechanical Engg.
- Strengthening Alumni Network.
- Strengthening Industry-Institute Interaction.
- Planning for Social Activities by NSS and NGOs Prayas and Swapnapurti Foundation
- Application to obtain Autonomous status from UGC and SPPU,Pune
- Establishment of Innovation Center in the campus.

Name : Prof. Tanuja N. Date

Name Prof.Dr.Keshav N.Nandurkar

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

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