Yearly Status Report - 2018-2019

Part A	

Data of the Institution	
1. Name of the Institution	**SKN SINHGAD COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr. Kailash Jagannath Karande**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02186250146**
Mobile no.	**7350508899**
Registered Email	**principal@sknscoe.ac.in**
Alternate Email	**kailashkarande@yahoo.co.in**
Address	**At Post Korti, Taluka: Pandharpur**
City/Town	**Dist-Solapur**
State/UT	**Maharashtra**
Pincode	**413304**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Altaf Osman Mulani**
Phone no/Alternate Phone no.	**02186250104**
Mobile no.	**8806806756**
Registered Email	**altaaf.mulani@sknscoe.ac.in**
Alternate Email	**aksaltaaf@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://sknscoe.ac.in/AQAR2018-19.php

4. Whether Academic Calendar prepared during the year

	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://sknscoe.ac.in/downloads/Academic_Calender_2019-20_sem-I.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.02**	**2017**	**30-Oct-2017**	**29-Oct-2022**

6. Date of Establishment of IQAC

	01-Sep-2017

7. Internal Quality Assurance System

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
Various NPTEL Certification Courses by Faculty members	**02-Jul-2018** **180**	**44**
Various NPTEL	**02-Jul-2018**	**190**

Certification Courses by students	180		
Recorded video lectures of faculty members uploaded on youtube	02-Jul-2018 90	73	
IIT spoken tutorial for students	02-Jul-2018 180	774	
Virtual lab for students	02-Jul-2018 180	541	
Industrial training for faculty members	02-Jul-2019 15	18	
Internship for students	02-Jul-2018 15	562	

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8. Provide the list of Special Status conferred 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
Institution	Workshop	MHRD, IIT Bombay	2019 1	5000
Institution	Workshop	MHRD, IIT Bombay	2019 1	5000
Institution	Workshop	MHRD, IIT Bombay	2019 1	5000
Institution	Unnat Bharat Abhiyan	AICTE	2019 180	50000
Institution	Conference/Workshop	Solapur University	2018 1	10000
Institution	Conference/Workshop	Solapur University	2018 1	5000
Institution	Workshop	MHRD, IIT Bombay	2018 1	26000
Institution	Guest Lecture	Solapur University	2018 1	8000
Institution	PMKVY	AICTE	2018 180	102000
Institution	Conference/Workshop	Solapur University	2018 1	1000
Department	Conference/Workshop	Solapur University	2018 1	10000
Department	Conference/Workshop	Solapur University	2018 5	10000
Institution	Workshop	MHRD, IIT Bombay	2018 1	10000
Institution	Workshop	MHRD, IIT Bombay	2019 1	10000

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
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)

Established Linkage with Industries and encouraging faculty members to undergo Industrial training and upgrade knowledge of current trends in Industry

Encourage faculty members for submission of proposals to various funding agencies.

Conduction of faculty development programme every year. Seminars, Workshop and Guest Lectures organized and Industrial visits are promoted.

Implementation of Employability, Innovation and Career building program. Also, motivate students to engage in social, Techno-societal activities and environmental issues.

Encourage faculty members to publish research papers in Scopus/SCI/SCIE/ESCI indexed journals

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Strengthen eyantra activity	**Organized eyantra workshops for students**
Establish incubation cell to promote the students for project based learning	**Incubation cell is planned to establish in academic year 2019-20**

Year down students should be helped to get placement and skill development programme	Efforts are taken for placement of year down students and accordingly searching of particular industry and their requirement is done
Training of latest technology to faculty	Each Department have started searching for industry to train the faculty in respective area
Strengthen Research and Development activity	Received fundings from organizations like MHRD, Solapur University and AICTE
Increase societal contribution	A project of conversion of maruti car to solar car is undertaken
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	31-Dec-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Staff appraisals for the academic year is done online. Feedback of students for all the faculty (teaching them) are taken online. Online portal is made available for stakeholder's grievances. The institute also has 'GEMS' (Governing Educational Management System) ERP based software. All the communication related to placement opportunities and selection process is made through GEMS software to students as well as alumni. New Integrated Tally based software is used for getting the fee details and distribution. SOUL software is used for library management. Also 'PAYWIZ' software is used for maintaining the data of salary, income tax, professional tax 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

Institute follows the curriculum provided by the Punyashlok Ahilyadevi Holkar Solapur University, Solapur. Depending on our resource availability, institutional goals and concern towards the students, institute impart quality education. The institution has developed a structured and effective implementation of the curriculum. Faculty members prepares the course file of the subject allotted. Course file contains syllabus, subject notes, assignments, multiple choice questions (MCQs), previous university question papers, time table etc. At the beginning of every academic year, the college prepare an academic calendar. The Dean Academics of the college sets the time table schedule of each department for smooth conduction of academics. The college receives regular updates of circulars through letters and emails from the university, regarding the changes or modifications in the curriculum. The Principal informs the concerned teacher about changes in curriculum and gives them a copy of the same. Faculty members receive all sorts of support from the university and college to understand the curriculum. Timely meetings are conducted and instructions are given for submission of assignments and conducting Unit test.Internal tests are well planned and executed before final examination.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Developing Soft Skill and Personality	NIL	02/07/2018	90	Employabilit y	Soft skill
Innovation, Business Models and E ntrepreneurs hip	NIL	02/07/2018	90	Entrepreneur ship	Management skill
Soft Skill	NIL	02/07/2018	90	Employabilit y	Soft skill
Industrial Safety Engineering	NIL	02/07/2018	90	Employabilit y	Safety Engineering
Introduction to Programming in C	NIL	02/07/2018	90	Employabilit y	C programming
Cloud Computing and Distributed Systems	NIL	02/07/2018	90	Employabilit y	Cloud computing
English Language for Competitive	NIL	02/07/2018	90	Employabilit y	Soft skill

Exams					
Manufacturing of Composites	NIL	02/07/2018	90	Entrepreneurship	Manufacturing of Composistes
Phase Equilibria in Materials (Nature Properties of MaterialsII)	NIL	02/07/2018	90	Employability	Research

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Mechanical Engineering	02/07/2018
BTech	Civil Engineering	02/07/2018
BTech	Electrical Engineering	02/07/2018
BTech	Computer Science and Engineering	02/07/2018
BTech	Electronics and Telecommunication Engineering	02/07/2018
Mtech	Electronics	02/07/2018
Mtech	Structure	02/07/2018
Mtech	Design Engineering	02/07/2018
Mtech	Computer Science and Engineering	02/07/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	190	0

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
Machine learning	24/12/2018	36
Raspberri Pi and its Applications	24/06/2019	25
JAVA Script, PHP, HTML5	24/12/2018	33
Autocad	28/07/2018	28

Staad Pro	26/12/2018	68
Concrete Mix design	08/09/2018	68
ANSYS	19/12/2018	26
CATIA	19/12/2018	26
PROE	26/12/2018	24
CATIA	20/06/2019	21
PROE	20/06/2019	24
Transformer design testing	02/07/2019	49
[View File](#)		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Mechanical Engineering	222
BTech	Civil Engineering	148
BTech	Electrical Engineering	73
BTech	Electronics and Telecommunication Engineering	35
BTech	Computer Science and Engineering	65
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
The institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, parents, Faculty and Employers. Institution has established IQAC cell in order to ensure and analyse the academic excellence at student and faculty levels. Periodical analysis is made by IQAC cell from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. SKN Sinhgad College of Engineering thoroughly reviews the curriculum for every academic year. The college maintains an IQAC as a quality consistence and quality enhancement measure. In supervision of IQAC, various departments and committees reinforce the curriculum by incorporating updated information and social issues. Institute collects the online feedback from students on Curriculum which is prescribed by the university. Online feedback system is the web based feedback collection system from the students. It

provides automatic generation of feedback, its analysis which is given by the student. IQAC cell do detailed feedback analysis and discussion is made with individual faculty member and further action is taken in case of poor performance. Feedback is also collected physically from stockholders viz. Parents and Teachers on overall development of students and further college invites stockholder to provide feedback through various events. Parent meets are organized by each department and suggestions are taken physically from parents. Feedback is also taken from teachers of Institute by Principal through one to one interaction. The college conducts annual Alumni Meet, in which suggestions and feedback is received from Alumni students. Online feedback is taken from industrial personnel, R D establishments and professionals and also it is obtained through college website's feedback blog.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Mechanical Engineering	180	42	42
BTech	Civil Engineering	60	37	37
BTech	Electrical Engineering	60	22	22
BTech	Electronics & Telecommunication Engineering	60	22	22
BTech	Computer Science and Engineering	60	52	52
Mtech	Electronics Engineering	24	9	9
Mtech	Structure	24	16	16
Mtech	Design Engineering	24	23	23
Mtech	Computer Science and Engineering	24	7	7
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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 fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1515	110	118	14	132

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 (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
132	132	3	34	34	100

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Teacher Guardian Scheme where approximately 20 students were assigned to each Teacher Guardian for complete four or three years. The main objective of Teacher Guardian scheme is to monitor and enhance the overall progress of student. This is achieved by conducting weekly meeting of assigned students and give moral support to the students and develop positive attitude among them. Faculty members interact and motivate students about their involvement in academic events like attendance, results, departmental activities, Training and Placement activities, value addition courses, Internship and current Industry requirement. Faculty members also increase students' abilities to interact with other social and cultural groups, and to encourage development in new fieldrelated competencies. This will also give students a platform to discuss their difficulties and personal problems.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1515	132	1:12

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
102	102	0	0	9

2.4.2 – Honours and recognition 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
2018	Dr. Kailash J. Karande	Principal	Best Principal (Rural area) from Solapur University, Solapur
2018	Dr. Swanand G. Kulkarni	Associate Professor	Reviewer for American Society for Testing of Materials (ASTM) Journal
2018	Prof. Prakash R. Gadekar	Assistant Professor	Appreciation letter as "Super RC" for conducting the activity of Spoken tutorial from IIT, Bombay
2018	Prof. /Priyanka R. Bankar	Assistant Professor	Elite Gold award by NPTEL for successful completion of NPTEL

2018	Prof. S.V. Bagal	Assistant Professor	Elite Gold award by NPTEL for successful completion of NPTEL certificate course
2018	Prof. Anil I. Nikam	Assistant Professor	Elite Gold award by NPTEL for successful completion of NPTEL certificate course
2018	Prof. N. L. Phule	Assistant Professor	Elite Silver award by NPTEL for successful completion of NPTEL certificate course
2018	Prof. Y. D. Shinde	Assistant Professor	Elite Silver award by NPTEL for successful completion of NPTEL certificate course
2019	Dr. Swanand G. Kulkarni	Associate Professor	Elite Gold award by NPTEL for successful completion of NPTEL certificate course
2019	Prof. S. C. Mali	Assistant Professor	Elite Silver award by NPTEL for successful completion of NPTEL certificate course
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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 Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	MECH	Year	14/05/2019	16/07/2019
BTech	CIVIL	Year	24/05/2019	21/06/2019
BTech	ENTC	Year	20/05/2019	26/07/2019
BTech	CSE	Year	20/05/2019	21/06/2019
BTech	ELEC	Year	20/05/2019	18/06/2019
Mtech	Electronics Engineering	Year	24/05/2019	19/07/2019
Mtech	Structure	Year	24/05/2019	29/08/2019
Mtech	Design Engineering	Year	24/05/2019	29/08/2019

Mtech	Computer Science and Engineering	Year	24/05/2019	29/08/2019

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

The Institute adopts centralized Continuous Internal Evaluation (CIE) system to assess all aspects of a student's development on a continuous basis throughout the year. Students are made aware of the evaluation process through orientation programmes at the beginning of the semester, Academic Calendar with Internal Exam dates, Orientation on changes in the evaluation process through Teacher Guardian Meetings and Display on the College and Departmental Notice Board. Continuous assessment of student's academic performance is done based on monthly attendance review, regular assessment, test performance, LCD presentation, group discussion, project (other than compulsory), IIT NPTEL courses, IIT Spoken tutorial, moodle test and involvement in extracurricular and cocurricular activities.

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

Academic calendar is prepared by Dean (Academics) in consultation with Principal and HoDs. At the beginning of academic session, students are acquainted of academic calendar and same is uploaded on college website and displayed on notice boards and at strategic locations. Only head of the institution can incorporate minor changes in academic calendar considering the unexpected circumstances. The schedule of all Examinations is given in academic calendar. The subject teachers announce the syllabus and display question bank for various tests as per the academic calendar. The slots of the various tests are mentioned in the academic calendar. Examination schedule of these exams is announced and displayed in advance by Dean (Academics). Display of marks is also as per the schedule given in academic calendar. Various departmental as well as central activities are incorporated in academic calendar.

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)

http://www.sknscoe.ac.in/Civil.php http://www.sknscoe.ac.in/ComputerScience.php http://www.sknscoe.ac.in/Electrical.php http://www.sknscoe.ac.in/e&tc.php http://www.sknscoe.ac.in/Mechanical.php

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Mechanical Engg.	BTech	Mechanical Engg.	240	231	96.25
Civil Engg.	BTech	Civil Engg.	81	71	87.65
Electrical Engg.	BTech	Electrical Engg.	71	70	98.59
Electronics & Telecommun ication	BTech	Electronics & Telecommun ication	55	53	98.40

Engg.		Engg.			
Computer Science and Engg.	BTech	Computer Science and Engg.	66	65	98.48

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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)

http://www.sknscoe.ac.in/IQAC.php

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 year
Industry sponsored Projects	180	Twig Software Solutions Private Limited, Pune	0.11	0.11
Any Other (Specify)	180	Solapur University, IETE, IEI	0.38	0.38
Any Other (Specify)	180	MHRD, AICTE	2.13	2.13

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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
Two Wheeler Overhauling Maintenance	Mechanical Engineering	29/09/2018
Intellectual Property Rights	Mechanical Engineering	03/08/2018
Autocad	Civil Engineering	28/07/2018
Raspberri Pi and its Applications	Electronics and Telecommunication Engineering	24/06/2019
Transformer design testing	Electrical Engineering	02/07/2019
JAVA Script, PHP, HTML5	Computer Science and Engineering	24/12/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Calculator (An advanced calculator)	Shubham Tandale	Solapur University, Solapur	24/12/2018	UG project category in Engg. And

Smart India Hackathon	Sunil Khare, Vishal Lawate, Tushar Nimbalkar, Shubham Tandale	AICTE	03/03/2019	Ministry of Statistics and Programme Implementation

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	02	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
General Science and Engineering	1
Electronics and Telecommunication Engineering	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics and Telecommunication Engineering	5	5.69
International	Civil Engineering	5	7.71
International	Mechanical Engineering	4	2.04
International	General Science and Engineering	3	1.26

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electronics and Telecommunication Engineering	24
Computer Science and Engineering	17
Electrical Engineering	8
Mechanical Engineering	72
Civil Engineering	11

General Science and Engineering	3

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
To Determine ductility index and first crack strength with 4point bending test	S. S. Kadam	International Journal of Research and analytical review	2019	0	SKN Sinhgad College of Engg., Pandharpur	0

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Four Point bending test to investigate first crack strength and ductility Index	S. S. Kadam	Civil Engineering Journal	2019	5	0	SKN Sinhgad College of Engg., Pandharpur

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	5	44	17	4
Presented papers	123	0	0	0
Resource persons	0	0	0	3

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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/	Number of teachers	Number of students

	collaborating agency	participated in such activities	participated in such activities
Celebration of International Yoga Day	Art of Living, Pandharpur	50	0
Ashadi Wari, Pandharpur	Food and Drugs Dept., Govt. of Maharashtra	5	35
Special NSS Camp, Khandali	SKNSCOE, Pandharpur	5	50
Fund raising for helping poor student	SKNSCOE, Pandharpur	2	20
Social Awareness	Police Dept., Pandharpur	5	100
[View File](#)			

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	Number of students Benefited
Social Awareness	Recognition	Police Dept., Pandharpur	100
Awareness about central govt. schemes for villagers	Awarded fund of 50000/	MHRD and AICTE	125
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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 participated in such activites	Number of students participated in such activites
Unnat Bharat Abhiyaan	AICTE	Rural Development Processes	7	125
Foldscope	Department of Biotechnology	Workshop	3	5
Proposal for Career Management	Solapur University, Solapur	Guest Lecture	2	100
Proposal for Stress Management	Solapur University, Solapur	Guest Lecture	2	100
[View File](#)				

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

Resource Sharing	33	Aedifico Tech. Pvt. Ltd. Delhi	7
Resource Sharing	25	Smart Logic Technologies, Pune	6
Faculty exchange programme under Foldscope scheme	3	Dept. of Biotechnology	1
Resource Sharing	2	M. S. Bidve Engg. College, Latur	1
Resource Sharing	1	SVERI COE, Pandharpur	1
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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	Duration To	Participant
Internship	Internship Training	Leena Engineering Works, Solapur	01/06/2019	30/06/2019	29
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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/Activities	Number of students/teachers participated under MoUs
Aedifico Tech. Pvt. Ltd., Delhi	30/06/2018	Value Added Course on JAVA Script, PHP, HTML5	33
Smart Logic Technologies, Pune	29/06/2019	Value Added Course on Raspberri Pi and its Applications	25
Leena Engineering Works, Solapur	16/11/2018	Internship Training	29
Kaizen Airtreat Pvt. Ltd., Pune	17/12/2018	Internship Training	5
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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
390.95	308.22

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Classrooms with Wi-Fi OR LAN	Existing

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 patially)	Version	Year of automation
SOUL	Partially	2.0	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	12962	4382978	1749	622570	14711	5005548
Reference Books	3025	1058750	451	157850	3476	1216600
e-Books	11324	2345791	0	0	11324	2345791
Journals	80	24000	0	0	80	24000
e-Journals	7256	0	0	0	7256	0
Digital Database	583	0	0	0	583	0
CD & Video	12	12446	0	0	12	12446
Library Automation	1	50000	0	0	1	50000
Weeding (hard & soft)	0	0	0	0	0	0
Others(specify)	0	0	1460	7200	1460	7200

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

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
S. B. Thigale	https://somnaththigale.blogspot.com/	Blogger website	17/07/2018
S. B. Thigale	https://somnaththig	Website	21/08/2018

	ale.wixsite.com/som naththigale		
D. V. Koshti	https://learnspcc.b logspot.com/	Blogger website	07/07/2018
S. V. Koratkar	https://learnspcc.b logspot.com/	Blogger website	07/07/2018
P. P. Kulkarni	ANSYS https://youtu .be/hVhmQpiGN0w	Youtube	22/12/2018
P. P. Kulkarni	ANSYS https://youtu .be/jmsJP3l2LCI	Youtube	28/12/2018

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	575	17	32	12	1	1	6	32	0
Added	0	0	6	0	0	0	0	6	0
Total	575	17	38	12	1	1	6	38	0

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

38 MBPS/ GBPS

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
Virtual lab and seminar hall	https://www.youtube.com/channel/UCWB9fv 6fAuzfS6EfMO-aZVQ?view_as=subscriber

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 incurredon maintenance of physical facilites
0.5	0.45	0	0

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)

Procedure and policies: SKN Sinhgad college of engineering has built up well defined procedure for providing physical, academic and support facilities to students/teachers and other organisations. Principal of the institute arrange meeting with heads of all department, academic dean, workshop in charge, IQAC coordinator and sports in charge during start of academic year. During this meeting discussion is made on requirements of various department according to curriculum set by university. Also additional equipment if required by sports in charge is taken into consideration. Accordingly requirement is send to management committee and further budget is allocated. After allocation of

budget facilities are provided and availability is made to various department as per their requirement. In case equipment purchase quotations from various vendors are called and comparative statement is prepared. Finally, different vendors are invited for negotiation and purchase order is placed. Computer centre/seminar hall facility is availed for various events/exams/workshops/Value addition programs as and when required by department /other organisation during academic year. Regular maintenance of all these facilities is done whenever required. Discussion on following facilities are made: Physical facilities : Making availability of classroom, laboratories, seminar hall and tutorial rooms before start of academic year. In addition to this necessary equipments/hardware /computer required for labs, sport equipments facilities are proposed by each department in HoD meeting. Academic facilities : Providing book bank facility in library. Students are availing facility of study rooms with Wifi from 8 am to 10pm. During examination study rooms are available by 24 hours. Support facilities : Providing seminar hall/computer centre for organizing competitive examinations/events/workshops

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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	0	0	0
Financial Support from Other Sources			
a) National	Yedkars Ramchandra Janki Memorial Trust, Pune, Rajarshi Chhatrapati Shahu Maharaj Shikshan Shulk Shishyavrutti Yojna, Dr. Panjabrao Deshmukh Hostel Reimbursement Scheme and Maharashtra State Government Post Matric Scholarship Scheme	1683	50053056
b)International	0	0	0
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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 implemetation	Number of students enrolled	Agencies involved
Quantitative Aptitude and Logical Reasoning	01/07/2019	385	SKN Sinhgad College of Engineering, Pandharpur
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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 for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Guest Lecture on Competitive Exam Preparation	392	110	8	5
2018	IPS Exam Preparation	100	0	0	0
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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	Number of grievances redressed	Avg. number of days for grievance redressal
4	4	10

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Accenture	69	10	Bharat Forge	40	32
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	4	Engineering	Electronics and Telecomm unication	SKN Sinhgad College of Engineering, Pandharpur	M.Tech. Electronics
2018	11	Engineering	Mechanical	SKN Sinhgad College of Engineering, Pandharpur and College of Engineering, Pune	M.Tech. Design Engineering
2018	8	Engineering	Civil	SKN Sinhgad College of Engineering,	M.Tech. Structure

2018	1	Engineering	Computer Science and Engg.	SKN Sinhgad College of Engineering, Pandharpur	M.Tech. Computer Science and Engg.
				Pandharpur	

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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	Number of students selected/ qualifying
GATE	5
Civil Services	5

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sports	College	597
Cultural	College	474

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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

College provides a platform for the active participation of the students in the various academic administrative bodies including other activities. This empowers the students in gaining leadership qualities, rules, regulations and execution skills. Its selection, constitution, activities and funding: • Student council includes representative student members. • The student members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. • The composition of student members is of topper (who has more integrity with other students) of each section are nominated as class representatives, for all the sections from first Year to Final Year. • The Student Council helps students share ideas, interests, and concerns with lecturers and principal. They often also help raise funds for wide activities, including social events, community projects, helping people in need and college reform. • Various programs like paper presentations, workshops and seminars are organized by these bodies every year. We have formed 4 student committees such as: Library committee Cultural Committee Mess Committee Sports Games Committee The funding for various activities of the internal college bodies is provided by the College Management.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes. The Institute has a registered Alumni association (Registration Number: MH764/2015 Date: 27/10/2015). • The Alumni association contributes actively for development and expansion of the institution. The alumni meeting is organized once in a year. Prominent alumni are invited for guest lectures, sessions for motivating the students for higher education and career counselling. • The institute has a social networking page and a separate link to the website where the alumni can register and connect to share their ideas. The feedbacks received from alumni are taken into consideration for improvement in academic and infrastructure development.

5.4.2 – No. of enrolled Alumni:

1736

5.4.3 – Alumni contribution during the year (in Rupees) :

312000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meet was organized in the college on 24th February 2019. Yearly one meeting is organized under this association.

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)

Decentralization The institution has a mechanism of providing operational independence to various functionaries in order to ensure a decentralized governance system. 1. Principal Level Principal is the member secretary of the governing body and chairperson of the IQAC. Principal nominates different committees for planning and implementation of different academic, student administration and related policies. All academic and operational policies are based on the unanimous decision of the governing body, the IQAC and senior faculty. 2. Faculty level Faculty members are given representation in various committees/cells nominated in the Governing body, in the IQAC and other committees. Every year, the composition of different committees is changed to ensure a uniform exposure of duties for academic and professional development of faculty members. Following are the different committees which have been formed during 201819: • Alumni committee • Library committee • Deadstock committee • Purchase committee • Publication/Media cell committee • Grievance redressal committee • Training and placement committee • Admission committee • Research and Development committee • Sports committee • Cultural subcommittee • IIT remoter center committee • Hostel committee • Examination committee • Entrepreneurship Development Programme committee • NSS committee • Antiragging committee 3. Student level Students are empowered to play an important role in different activities. Students are members of various committees such as: • Student council • Mess committee • Library committee 4. Nonteaching staff level Nonteaching staff are represented in the governing body. Suggestions of nonteaching staff are considered while framing policies or taking important decisions. Participative management The institution promotes the culture of participative management at the strategic level, functional level and operational level. • Strategic level: The Principal, governing body and the IQAC are involved in defining policies procedures, framing guidelines and rules regulations pertaining to admission, examination, discipline, grievance, support services, finance etc • Functional level: Faculty members share knowledge among themselves, students and staff members while working for a

committee. Principal and faculty members are involved in joint research and have published papers • Operational level: The Principal interacts with government and external agencies faculty members maintain interactions with the concerned departments of affiliating university. Students and office staff join hands with the Principal and faculty for the execution of different academic, administrative, extension related, cocurricular and extracurricular activities.

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

Yes

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):

Strategy Type	Details
Teaching and Learning	• The video lectures of each faculty members are recorded for continuous improvement in teaching learning process. These are made available to students and teachers on FTP server. • SLS (Self Learning Sessions) are conducted for students. In this, the questions are provided for concerned subjects during lecture hours by faculty member. And students are solving these questions by taking help of note book, reference books, and teachers during lecture hours. • Online chapter wise Moodle objective test for each subject is conducted in every semester. • Remedial sessions are arranged for academic weak students. • Three internal unit tests, mock practical exams are conducted for improvement in academic performance of the students. • Assignments, tutorials are provided for the students. • The project exhibition competition, technical paper presentation competition is organized by each department. • Technical subject LCD presentation sessions, expert lectures from academicians, industry people and alumni are organized for the students. • Industrial visits, site visits are arranged for enhancing technical knowledge among the students.
Examination and Evaluation	Examinations are conducted and evaluated as per the norms of Solapur University, Solapur. Standard question banks are provided to the students for each subject and based on that, three unit tests are conducted in each semester to evaluate the students' performance. Moodle Online objective tests are conducted for every subject. External theory examination and practical/oral examinations are

	conducted as per university norms. Term work evaluation is done on continuous basis. Students are made aware of their term work performance on early basis so that they get an opportunity to improve their academic performance.
Research and Development	The institute has separate RD cell. The institute motivates faculty members for writing seed money proposals, funding proposals through this cell. Faculty members are inspired to go for doctoral programs. Students are faculty members are encouraged to publish their research work in reputed journals/ conferences. The excellent infrastructure, modern laboratories are made available for the students and faculty members to carry out research activities
Library, ICT and Physical Infrastructure / Instrumentation	• Library: Library committee consists of representative members from each dept. The committee ensure requirement of books, journals, ejournals are available. Automation in Library management is increased. The automation of user's entry register is completed by installing separate commercial software for getting the statistics of user visits to library. The use of open source digital library management software has been initiated for making availability of question papers, syllabus, newspaper clippings, ebooks and video lectures in digitized format. • ICT: The institute has IIT Remote centre as a part of NMEICT. Institute conducts spoken tutorials for enhancement of technical skills. In addition to this, Virtual (AView) classroom is also used to conduct various Webinars and online courses. The class rooms of Institute are equipped with LCD Projector and WiFi. Institute has MOODLE Server Setup. The faculty members upload their course material, question banks etc. on MOODLE server and students are using it enrichment of technical knowledge. • Physical infrastructure/instrumentation: The Institute provides good and modern infrastructure like classrooms, laboratories, library with reading room, internet facility, parking facility, gymnasium, playground, cafeteria, canteen and hostel with separate mess for boys and girls in the

	campus.
Human Resource Management	Principal manages this aspect by allocating different works to the staff having expertise in the same. The various institute level committee are comprised of the Principal, Deans, Heads of Department and faculty members for maximum benefits of division of work. Accordingly, authority and responsibility are delegated among the staff members.
Industry Interaction / Collaboration	Industrial in plant training is provided for the students during vacations by contacting various industries. The industrial visits are organised every year for the students. The students are motivated for industrial sponsored projects. The memorandum of understanding (MOU) are made for collaborative work of institute with industries. The EDP cell encourages students to prepare best business plan proposals. Faculty members are promoted for industrial training during vacations
Admission of Students	Director of Technical Education (DTE), a state government body regulates admission process of engineering aspirant students. The institute organises Engineering career opportunities sessions, admission process awareness programs for the students
Curriculum Development	The Institute is affiliated to Punyashlok Ahilyadevi Holkar SolapurUniversity, Solapur. Board of studies (BoS) is a body in the University to formulate the curriculum. Senior experienced faculty members of the institute are working as member and Chairman of Board of Studies of the University. They are actively involved in the process of curriculum development by keeping in mind requirement of industry. The inputs in curriculum development to meet industry requirements are taken from stakeholders like alumni, corporates, academicians, parents etc.

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

E-governace area	Details
Planning and Development	SOUL 2.0 is used for library management.
Administration	GEMs tool is used for faculty appraisal

	and placement related activity.
Finance and Accounts	PAYWIZ is used for salary and income tax of staff.
Student Admission and Support	Moodle tool is used to take the internal tests of students

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
2019	Somnath Thigale	Moodle Learning Management System	NA	100
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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	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	One day workshop on Scilab	NA	04/05/2019	04/05/2019	8	0
2019	One day workshop on Python	NA	22/06/2019	22/06/2019	17	0
2019	One day workshop on Moodle Learning Management System	NA	15/03/2019	15/03/2019	37	0
2019	NA	LCD repair	19/01/2019	20/01/2019	0	9
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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	From Date	To date	Duration
Machine Learning	15	25/10/2018	25/10/2018	1
Electrical AUTOCAD	11	24/12/2018	28/12/2018	5

Developing Softskill Personality	2	01/08/2018	31/10/2018	90
Digital Image Processing	1	09/07/2018	30/09/2018	90
Programming using Python	4	15/02/2019	16/02/2019	2
ComprehensiveVHDL	3	01/02/2019	03/02/2019	3
Analog Circuits	1	01/01/2019	31/03/2019	90
Introduction to Research	1	06/08/2018	28/09/2018	60
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
132	132	72	72

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Term Insurance	Term Insurance	Term Insurance

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes. Since 2010, Institute conducts yearly audit regularly.

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/ Grnats received in Rs.	Purpose
Mr. N. S. Gidde	152000	Solar Car Design
[View File](#)		

6.4.3 – Total corpus fund generated

32634111

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	Yes	NAAC	Yes	Principal and Dean Academics
Administrative	Yes	NAAC	Yes	Principal and Dean Admin

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

* The parent meet is organised by each department every year. Parents provide valuable inputs for the efforts taken by the Institute for the overall

development of the students. The suggestions of parents are incorporated for the improvement in the existing system of the institute. • Whatsapp group is formed in each department for sharing various activities organized in the institute. • Parents are also invited for various events like project exhibition, cultural activities etc

6.5.3 – Development programmes for support staff (at least three)
• LCD repair • Computer awareness • Furniture and laboratory maintenance

6.5.4 – Post Accreditation initiative(s) (mention at least three)
• Recorded lectures on Youtube • IIT NPTEL certification courses by Faculty • IIT Spoken Tutorial for the students • IIT Virtual lab for the students • Industrial training for the faculty

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Various NPTEL certification courses by faculty	02/07/2018	01/08/2018	30/11/2018	44
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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	Period To	Number of Participants	
			Female	Male
Equality for women is progress for all	18/02/2019	18/02/2019	176	265

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
A. Energy conservation and use of renewable energy: For energy conservation following measures have been taken: • Streetlights are converted from sodium vapor lamp into 48/60 watt LED lamps at many places. • Bathroom/toilet/basin/night lamps in hostel are converted into 0.5/3 watt bulbs. • Automatic power factor controller (APFC) unit is installed which maintains power factor up to 0.99 since the establishment of campus i.e. 2010. • Solar water heaters have been installed in all boys and girls hostels with capacity of 48000 LPD through 96 panels Inductive heavy loads are used only

within TOD tariff. • Balanced load is maintained for all buildings. • Use of air conditioner is made available only when essential. • Institute has received electric supply through express feeder to ensure uninterrupted power supply. • Buildings are planned in such a way that very few rooms requires air conditioning and also maximum light is received by classrooms and laboratories. • Use of LCD monitors in all laboratories. • Conversion of 36 W tubes into 18W LED is in progress. • Energy conservation slogans are displayed at appropriate location for awareness among the students. • Solar car rallies are organized in Pandharpur and nearby areas. • Biogas plant working on food waste from mess has been constructed in the campus. B. Water harvesting: • For improvement of ground water level, all buildings are provided with roof water harvesting. Also it helps to recharge the wells and bore wells. • Rain water is used for gardening during rainy season. ??Water management: •?Major volume of water for gardening comes from sewage treatment plant installed in campus with capacity of 700 cu. meters per day. •?Sewage treatment plant includes screening, filtering, sludge settling tank, treated water tank, carbon and sand filter, 1000 liters storage tank. ??Water treatment: •?Provision of water treatment facility in college campus with incoming water, which normally comes from various sources, ensures the good quality potable water. •?Separate RO water purifiers are installed with capacity of 500 litres per hour at hostels, mess and academic blocks. •?Water quality is regularly analyzed for ensuring the quality of supplied water at consumer end. C. Efforts for carbon neutrality: •?Various trees and greenery over the entire campus is the strong evidence of carbon neutrality. •?As institute is located in rural area, carbon emission is less. •?Highly use of renewable energy helps to maintain campus ecofriendly. •?Green waste is not burned. •?Institute has provided with bus facility which results in huge saving of fuel and emission •?Bus parking is close to entrance. •?Green vehicles are available for transportation inside the campus. This will also help to physically handicapped students. •?Inhouse service station for buses is available. D. Plantation: •?Fascinating garden and lawn are maintained with various flower plants and trees. •?Approximately 06 acres land of

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Ramp/Rails	Yes	0
Rest Rooms	Yes	1
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	02/07/2018	30	Pilgrim awareness during VARI	Cleanliness and drinking water	30

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)

No Data Entered/Not Applicable !!!			

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Promoted for the Elective Subject "Human Values and Professional Ethics"	02/07/2018	15/11/2018	278

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

RO Water Purifier
LED Street Light
Solar Water Heater
Green Campus
Sewage Water Treatment Plant

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice No: 1 Title of the practice: Teacher Guardian (TG) System Objectives: • To enhance the overall progress of student. • To interact and motivate students about their involvement in academic issues like attendance, results, departmental activities, TP activities, value addition courses, Internship and current Industry requirement. • To give moral support to the students and develop positive attitude among them. • To focus on hidden qualities of students and help them to develop career skills. • To maintain proper record of student's information (Roll no., contact, address, academic performance). • To maintain good rapport with parents, Interact with the parents about progress/failure of their ward by sending letters/SMS and also keep record of interaction. The context: Every student's academic performance and attendance is monitored on monthly basis and the students whose performance or attendance is poor are identified. Student's performance can be improved by counseling. Sometimes psychological confidence should be built up so that fear about a subject can be removed. The practice: This scheme is implemented effectively for FE and SE students for the better coordination and communication between staffstudent and staffparents. For every twenty to twenty five students, one teaching faculty is allocated as a teacher guardian. The respective faculty takes continuous follow up of academic, curricular and cocurricular development of every students and identifies students having good, average and poor performance. The teacher guardian makes calls and inform about the same to respective parent and also called them for counselling if required. Problems encountered and resources required: • Adequate time is not available during college hours for conducting meet but this was overcome by conducting meeting after college hours. • Initially the students were hesitating to speak about the problems then TG made them speak out by talking with them in informal way. Evidence of success: Few of the evidence of success are quoted as example: • Due to motivation at the time of TG meeting more students are participating in VAP, Extracurricular and Cocurricular activities. • When students face difficulty in understanding the subject, the concerned staff members were informed and counseled by the Head of Department for improvement. Best Practice No: 2 Title of the practice: Self Learning Session Scheme (SLS) Objectives: • To improve the learning ability of students • To improve the presentation (writing) skill. • To make students able to use the references books/text books • To clear the doubts through interaction session The context: For each

subject, one extra lecture (other than number of lectures allotted by University) is allotted in the time table during which subject teacher will give some questions for students have to write answers. Subject teacher will observe whether student write as per the university requirement or not. During this session, more interaction between subject teacher and students takes place. Students are able to solve their subject difficulties at the time of Self Learning session. The practice: SelfLearning Sessions (SLS) are conducted effectively for FE and SE students. The main objective of this activity is to improve problem solving ability and presentation skills of students. One lecture of every subject in a week is kept as SLS in time table. Respective subject teacher gives certain numerical on the topic covered in recent week and ask students to solve by themselves and supervise the class. For any difficulty or doubt regarding any numerical, student can ask help to teacher and subject teacher helps him to solve that numerical. For theoretical subjects few questions are provided to students and subject teacher analyses answers of every students and gives guidelines how to attempt particular question if required. Problems encountered and resources required: • As per the time table, one hour is allotted for SLS. Sometimes it is not sufficient to solve their doubts within one hour. Evidence of success: Few of the evidence of success are quoted as example. • Due to selflearning session students results are improved. • SelfLearning ability is improved

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://sknscoe.ac.in/BestPractices.php

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

To bridge the gap between curriculum and current Industry requirement, it is necessary to prepare students technically and practically strong enough. Project based learning helps to assure this objective. It can be done by only mind cultivation of students from the beginning of technical education, so institute primly focus and starts working from first year of engineering to inculcate practical attitude in their minds. It also sharpen their technical imagination and allow them to think on various aspects required for doing projects. For effective and successful implementation of project based learning institute supports in various aspects like, • Motivate students for doing mini or major project from second year to final year. Students are encouraged for industrysponsored projects. • Institute supports mini and major projects by extending financial support in terms of equipments and consumables as per the requirements of projects. • Department of Electronics and telecommunication students run a component bank for easy availability of electronics components for doing project work. • The institute supports with 50 financial assistance for this component bank. Other departments are also supporting for projects by extending support in various ways. • UG fellowships for students in Technical University Sofia, Bulgaria and Ural Federal University, Russia are being offered. In last couple of years, students went to foreign universities for doing project based learning during summer vacations. • Conduct national level project competition (WEENGS) in every second semester of academic year. • Provides incentives for participating in national and international project events. • Appreciation and reward regularly for achievements of students.

Provide the weblink of the institution
http://sknscoe.ac.in/InstituteDistinctivenes.php

8.Future Plans of Actions for Next Academic Year

Promoting the faculty members for getting research funds from various government/private organizations. To start an incubation center for product development. Promoting the faculty members to write the research articles in scopus/web of science indexed journals. Organize Faculty Development Programmes (FDP)/ STTP in each department to upgrade the knowledge of faculty members. Enhance the industry institute interaction to get the current scenario about the industry. Arrange the various student training programmes to increase the placement of students in well know organization. Enhance project based learning activity by arranging various technical events and project exhibition. Also, motivate students to prepare for competitive examinations and start ups.