



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		SANDIP INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE
Name of the head of the Institution		Sanjay Trimbak Gandhe
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		02594-222552
Mobile no.		9545453201
Registered Email		principal@sitrc.org
Alternate Email		sandipfoundation@gmail.com
Address		A/p Mahiravani, Trimbak Road
City/Town		Nashik
State/UT		Maharashtra
Pincode		422213

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>private</b>
Name of the IQAC co-ordinator/Director	<b>Prof (Dr) P R Baviskar</b>
Phone no/Alternate Phone no.	<b>02594222551</b>
Mobile no.	<b>9545453212</b>
Registered Email	<b>prasad.baviskar@sitrc.org</b>
Alternate Email	<b>prasadbaviskar@gmail.com</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.sitrc.sandipfoundation.org/iqac/">_https://www.sitrc.sandipfoundation.org/iqac/</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.sitrc.sandipfoundation.org/academic-calendar">https://www.sitrc.sandipfoundation.org/academic-calendar</a>

**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>A</b>	<b>3.11</b>	<b>2018</b>	<b>02-Nov-2018</b>	<b>01-Dec-2023</b>

<b>6. Date of Establishment of IQAC</b>	<b>26-Sep-2017</b>
---	--------------------

**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
<b>Online workshop on IPR</b>	<b>05-May-2020</b>	<b>84</b>

awareness

2

[View Uploaded File](#)

**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
<b>No Data Entered/Not Applicable!!!</b>				
No Files Uploaded !!!				

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

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

4

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 Uploaded 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)**

? NBA accreditation for three years of UG courses in Mechanical Engineering Computer Engineering ? Organization of technical events / workshops / conferences for students in every department. ? Preparation of NBA for UG course in Electrical Engineering and PG course in MBA.

No Files Uploaded !!!

**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	Achievements/Outcomes
Initiate the NBA accreditation process for UG course in Electrical Engineering and PG course in MBA	PG course in MBA has submitted the pre-qualifier to avail NBA
Achieve accreditation by NBA for two UG courses	Two UG courses in Computer Engineering and Mechanical Engineering got NBA accredited for three years

No Files Uploaded !!!

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	2019
Date of Submission	30-Dec-2019
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)	Institute has Developed ERP system. It enables the faculty, students, and stakeholders of the Institutes to carry out their routine transactions. In case of pandemic covid - 19 situation, it helped the stakeholders to perform all the necessary transactions without visiting the Institute even from the remote places.

## 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 is affiliated to Savitribai Phule Pune University, Pune (SPPU). The curriculum is designed by the SPPU. The delivery of curriculum is ensured through following parameters Academic Calendar of Department At the end of the semester SPPU disseminates academic calendar for the forthcoming semester. Every Head of the Department prepares their academic calendars in consultation with Principal and Dean (Academics) by incorporating several curricular, co-curricular and extra-curricular activities on receipt of academic calendar. The departmental academic calendar forms the basis for the effective curriculum planning and implementation. Teaching Load Distribution (Subject choice and load distribution) At the end of the semester, teaching faculties are asked to submit the choice of the subjects along with preference for forthcoming semester. A subject distribution meeting of faculties in presence of the Principal, Dean (Academics) and HOD is conducted. Utmost care is taken about balance of subject choice and individual expertise. Course File and Teaching Plan of all faculties Effective delivery of the course is ensured by preparing comprehensive course file meticulously for allotted subject. A course file includes Course Structure, Prerequisite Diagram, Syllabus, Instruction Plan,

Instruction and learning Material and other relevant documents. Syllabus coverage report In order to envisage the completion of course delivery, the progress of syllabus coverage is monitored in the middle and at end of the semester. Expert Talks and Industry visits organized by Department With view to bridge the gap and exposure, industrial visits and expert lectures are arranged for the facet of subject that may not be incorporated in curriculum. Co-Curricular Activities Organized by the Department This platform nurtures the most desirable skills like leadership, event management, professional ethics etc. amongst the students through the professional societies, students' association and organizing technical events like paper presentation, project exhibition and other initiatives falling in line with it. These initiatives lead to enhancement in Emotional Quotient (EQ) Examples of Academic Monitoring through ERP ERP facility is employed to maintain the data of staff and students. The attendance is registered in ERP system regularly. Various reports can be generated out of ERP system such as, monthly attendance, subject-wise attendance, consolidated attendance etc. Absenteeism intimation of student is communicated to his parent through SMS facility available in ERP system.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NIL	Nil	Nil	Nil	Nil	Nil

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil
No file uploaded.		

#### 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
Nil	NIL	Nil

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

	Certificate	Diploma Course
Number of Students	22	Nil

### 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
ANSYS Software	13/09/2019	20
German Language Training	12/08/2019	15
Soft Skill Development	13/09/2019	61
Basics of Java Programming	13/07/2020	21
Advanced Java Programming	02/12/2020	25

Student Solar Ambassador Workshop	02/10/2019	59
No file uploaded.		

### 1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	112
BE	Civil Engineering	31
BE	Information Technology	7
BE	Electrical Engineering	25
BE	Computer Engineering	29
No file uploaded.		

### 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
Stakeholders are encouraged to suggest/comment in case of rating any aspect as 'poor' or 'below average'. The rating of each aspect is averaged based on total number of stakeholders responding the feedback questionnaire. The aspects of curriculum scoring bottom 25 ratings are highlighted and reported to the SPPU through Dean (Academics) and Principal. The feedback is sought for enhancement of teaching and learning as well as infrastructural facilities. 1. The feedback on teaching helps for the improvement in teaching and accordingly helps to improve the content delivery. Also, it helps to decide further course of action in terms of expert lectures, industrial visits, value addition programmes, workshop, seminars, project exhibitions, symposia etc. 2. Feedback from employers also helps in above matters and also helps to impart soft skill sessions or aptitude sessions. 3. The feedback on infrastructure helps to improve the learnability of the students and improve the ambience on campus.

### 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
BE	Civil Engineering	60	26	26
BE	Computer Engineering	120	116	116
BE	Electrical	60	14	14

	Engineering			
BE	E & TC Engineering	60	20	20
BE	Information Technology	60	52	52
BE	Mechanical Engineering	120	30	30
ME	Computer Engineering	18	3	3
ME	E & TC Engineering	18	3	3
MBA	MBA	60	60	60
No file uploaded.				

## 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
2019	1805	137	103	13	116

## 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 Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
116	116	Nil	28	2	Nil

[View File of ICT Tools and resources](#)

No file uploaded.

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

Institute has proactive tutor system to monitor and support the progress of students. All the students get academic and personal guidance and livelihood counseling from the concerned tutor. Through one to one mentorship tutor identifies slow and advanced learners. Institute has the ERP system to collect, analyze and use the data/ information on the academic performance of the students. With this, institute is in a position to consolidate all the information and identify the slow learners and the advanced learners. Advanced learners and meritorious students are encouraged to visit industries, discuss an industrial problem and work on its solution as part of their final year project. Such industry sponsored projects make them professionally competent. Special repository of research and E-learning material is made available to such students to enhance the knowledge in their topic of interest. For slow learners one to one mentoring is provided to identify their weaknesses, soft skill training programs and remedial lectures are arranged, NPTEL tutorials, spoken tutorials and MyExamo like ICT are used to enhance conceptual knowledge of slow learners, additional reinforcement of expert faculties for Fundamental of Programming Language subject are deputed in first year. To improve results university question paper solution sets are provided, mock practical/oral exams are conducted. Previous university question papers are made available in departmental library. Problem solving sessions are arranged for individual before examinations during preparation leave to boost their confidence.

Number of students enrolled in the

Number of fulltime teachers

Mentor : Mentee Ratio

institution		
1942	116	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
115	116	0	26	20

### 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
2020	Dr. Omkar S. Vaidya	Assistant Professor	Elevated to IEEE Senior Member Grade from Institute of Electrical and Electronics Engineers (IEEE), Piscataway, NJ, USA on 20th June, 2020.
2019	Dr. Omkar S. Vaidya	Assistant Professor	Member of the prestigious "Confederation of Elite Academicians of IICDC" on 6th December, 2019 from Texas Instruments, DST, AICTE, IIM Bangalore.
2019	Dr Vishal N Sulakhe	Assistant Professor	Best Orator Award at Navjeevan Law College Nashik through the hands of Vice-Chairman of Bar Council of Maharashtra and Goa
2019	Praful Ananda Shinkar	Assistant Professor	Certificate of appreciation for conducting "Student Solar Ambassador Workshop" by IIT Bombay
No file uploaded.			

## 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



MBA	510910110	Semester	24/10/2020	14/12/2020
ME	510937210	Semester	19/10/2020	10/11/2020
ME	510924510	Semester	19/10/2020	10/11/2020
BE	510961210	Semester	22/10/2020	15/12/2020
BE	510924610	Semester	22/10/2020	15/12/2020
BE	510937210	Semester	22/10/2020	15/12/2020
BE	510929310	Semester	22/10/2020	15/12/2020
BE	510924510	Semester	22/10/2020	15/12/2020
BE	510919110	Semester	22/10/2020	15/12/2020
No file uploaded.				

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

Assessment of performance is an integral part of teaching and learning process. As a part of sound educational strategy, the institution adopts Continuous Internal Evaluation (CIE) System to assess all aspects of a student's development on a continuous basis throughout the year. Result Analysis is done by the class tutors after every University In-semester/Online exam. Pass percentage of each course is calculated by dividing the total number of students appeared and passed in each course. The performance of the students is monitored by the Principal and the necessary feedback is given to the concerned faculty members. The Principal conducts Review Meetings department wise to give necessary feedback for the improvement of students' performance. Remedial Classes are conducted for the slow learners, absentees and the students who participate in Sports, NSS activities and Placement Interviews. This practice helps struggling learners to update their subject knowledge and helps them to catch up with their peers. The Institute has introduced a best practice for those students short of attendance to make up their deficiency through attending extra hours of classes conducted exclusively for them. The institution is keen on monitoring the performance of the students and reports to the Parents. Progress Reports are sent by the tutors to the parents after each of the test. Parents/ Guardians are advised to note the performance of their wards and take remedial measure if needed. Whenever necessary, the tutor shall recommend the visit of the parent to the college for a discussion about the student. MOODLE learning Management System is utilized for Continuous internal evaluation like quiz and assignments.

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

The SPP University provides an academic calendar before the commencement of each semester wherein the number of days for teaching and slot for In-semester examination, End-semester examination are available. This serves guidelines to frame an academic calendar at Institute level. To improve the quality of teaching- learning, institute prepares academic calendar for entire semester of fourteen weeks duration. It is circulated to all departments. The Principal conducts meeting with all HODS's and gives necessary guidelines on the basis of previous feedback. Choice based preferences are asked for next the semester in advance and allocation of portfolios along with course distribution is done in the department meeting. The SPP University curriculum is followed which is designed by the Board of Studies (BoS) of faculty of engineering. The BOS involves experienced senior faculty members in curriculum design and also organizes training for all its teachers. Majority of the faculty members of our college are involved in syllabus framing, few being chairman and others contributing as team members. Whenever, the syllabus is revised, quality

improvement workshops for faculty are organized and faculty members of the institute also worked as resource person in these workshops. All the information related to exams is scheduled in advanced and displayed through academic calendar. The academic progress of the students is monitored by the mentors and respective class coordinators.

## 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.sitrc.sandipfoundation.org/ug-courses-mechanical-engineering/peo-po-and-pso/>

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
510919110	BE	Civil Engineering	58	51	87.92
510924510	BE	Computer Engineering	149	149	100
510929310	BE	Electrical Engineering	52	52	100
510937210	BE	E & TC Engineering	96	90	93.75
510924610	BE	Information Technology	74	70	97.29
510961210	BE	Mechanical Engineering	122	120	98.30
510924510	ME	Computer Engineering	6	6	100
510937210	ME	E & TC Engineering	7	4	57.14
510910110	MBA	MBA	59	59	100
No file uploaded.					

## 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)

[\\_Student Satisfaction Survey / feedback-on-curriculum is available at https://www.sitrc.sandipfoundation.org/feedback-on-curriculum/\\_](https://www.sitrc.sandipfoundation.org/feedback-on-curriculum/)

## 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	365	S. M. Auto	1.5	1.5

sponsored Projects		Stamping Pvt. Ltd., Ambad MIDC Nashik		
Industry sponsored Projects	365	Yogeshwar Industries Pvt. Ltd. Satpur MIDC, Nashik	1.25	1.25
Industry sponsored Projects	365	Vanashri Nursery, Madsangavi, Nandur Naka, Nashik	0.27	0.27
Industry sponsored Projects	365	Lakshya Motors, Satpur MIDC, Nashik	1.2	1.2
Industry sponsored Projects	365	Bosch Ltd. Satpur MIDC, Nashik	1.1	1.1
Industry sponsored Projects	365	Technomation India Pvt. Ltd., Ambad MIDC, Nashik	0.27	0.27
Minor Projects	365	UBA and IIT Delhi	0.5	0.5
Projects sponsored by the University	730	Savitribai Phule Pune University, Pune	3	1.5
Major Projects	365	IEDC, National Entrepreneurship Board, Department of Science and Technology, Government of India	6	6
No file uploaded.				

### 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
Online workshop on IPR awareness	ETC Dept	05/05/2020

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
Certificate of Reviewer Recognition	Dr. Omkar S. Vaidya	IEEE Access	06/01/2020	Reviewer
Confederation	Dr. Omkar S.	Texas	06/12/2019	Outstanding

of Elite Academicians of IICDC	Vaidya	Instruments, DST, AICTE, IIM Bangalore	Contribution for IICDC Contest 2019
No file uploaded.			

### 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
Yes	SANDIP TBI managed by SANDIP Incubator Association	Meity, Government of India	Padhloo	E-Commerce	10/05/2019
No file uploaded.					

### 3.3 – Research Publications and Awards

#### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	01

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

Name of the Department	Number of PhD's Awarded
ETC Engg.	2

#### 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)
National	Computer Engg.	1	Nil
National	MBA	1	6.62
International	ETC Engg.	25	5.53
International	Computer Engg.	20	3
International	Information Technology	11	Nil
International	Mechanical Engg.	4	3.2
International	MBA	12	0.61
No file uploaded.			

#### 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
MBA	2
Civil Engg.	1
Computer Engg.	7
ETC Engg.	3
Mechanical Engg.	12
No file uploaded.	

#### 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
Pl refer the annexure attached herewith	NA	NA	2019	97.7	Sandip Institute of Technology Research Centre, Nashik	382
<a href="#">View Uploaded File</a>						

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
Pl refer the annexure attached herewith polymer composites: manufacturing, properties, and applications	NA	NA	2019	86	376	Sandip Institute of Technology Research Centre, Nashik
<a href="#">View Uploaded File</a>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	8	28	19	5
Presented papers	8	4	0	0
Resource persons	3	1	1	5
No file uploaded.				

**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 participated in such activities	Number of students participated in such activities
Collection of Ganesh Idols Near Chopda Lawns, Gangapur Road Nashik	Nasik Municipal Corporation, Nashik	6	40

Kaizen Competition	CII	3	16
Student Solar Ambassador Workshop	SITRC under UBA	6	73
Poster Competition on Account of "Jal Divas Celebration"	Department of Civil Engineering	6	150
Flood Donation Drive	CESA and UBA Cell	5	30
Tree Plantation	CESA and UBA Cell	5	30
No file uploaded.			

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
NIL	Nil	Nil	Nil
No file uploaded.			

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 activities	Number of students participated in such activities
Donation Activity to Kerala Affected People at Mauli Lawns Nashik	Sandip Foundation	CSR	6	100
Collection of Ganesh Idols Near Chopda Lawns, Gangapur Road Nashik	Nasik Municipal Corporation, Nashik	CSR	6	40
Quiz Competition	Mechanical Dept.SITRC	Awareness Quiz on Covid-19	3	110
NSS	NSS RTO, Nashik	Walkathon on Road Safety	2	328
Unnat Bharat Abhiyan 2.0	Unnar Bharat Abhiyan Cell, SITRC	Organizing Gram Sabha in Adopted Villages under UBA 2.0 scheme	2	10
No file uploaded.				

### 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
--------------------	-------------	-----------------------------	----------

NIL	Nil	Nil	Nil
No file uploaded.			

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
NIL	Nil	Nil	Nil	Nil	Nil
<a href="#">View File</a>					

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
Mestic Consultancy Services, Vyara	Nil	Nil	Nil
<a href="#">View File</a>			

## 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
0	0

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
No file uploaded.	

### 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
KHOA Library software	Fully	18.11.04.000	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	29400	8184262	608	161205	30008	8345467
	293	0	0	0	293	0

Reference Books						
e-Books	5959	357195	0	0	5959	357195
Journals	82	0	0	0	82	0
e-Journals	1539	0	0	0	1539	0
<a href="#">View File</a>						

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	Platform on which module is developed	Date of launching e-content
NIL	Nil	Nil	Nil
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	632	0	255	0	2	23	609	310	0
Added	0	0	30	0	0	0	0	30	0
Total	632	0	285	0	2	23	609	340	0

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

310 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
NIL	Nil

#### 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
14.1	13.51	48.88	46.27

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)

The Policy details of systems and procedures for maintaining and utilizing physical, academic and support facilities as follows, For maintenance of computers the ERP based call log system is implemented in the institute. The faculty/staff requiring computer related maintenance put a call log from his PC. The call Log is then received by systems department and they take care of



repair. Similarly, the maintenance in laboratory, class room, sports complex can be done using ERP. The civil work is monitored by Project department. In case of repair, the requisition form has to be filled by the concerned staff and to be given to project department and it takes care of repair and maintenance. The library adopts standard modus of operandi the processes like purchase of library books, receipt of books, book circulation, reissue of books, book bank scheme for FE students, book circulation to staff members, periodical acquisition and circulation periodical and e-journals is explained on web site. Similarly, the supporting systems like transportation, canteen and security systems are out sourced. In case of transportation, the Institute signs MOU with the agency providing the facility. Adequate and appropriate number of buses is deployed. Safety is taken care by ensuring the checking the fitness of vehicle and safe driving. The cafeteria in the campus provides the nutritious and healthy food maintaining the hygiene. The water served is provided by the water treatment plant on campus. The housekeeping manager checks daily cleaning of classroom and laboratory floors, office furniture, garden leaves and weekly window panes and dadoes etc. The housekeeping manager will deploy agreed number of employees every day carry out the cleaning at all points/places use the appropriate cleaning materials and keep clinically healthy person on job.

## 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	Sandipostav Scholarship	72	250000
Financial Support from Other Sources			
a) National	Social Welfare Dept., Tribal Welfare Dept. Director of Technical Education Dept.	1568	93669300
b) International	Nil	Nil	Nil
No file uploaded.			

#### 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
SOFT SKILL	22/08/2019	103	Internal
REMEDIAL COACHING FOR SECOND YEAR IN Engg Maths III	29/10/2019	32	Internal
Bridge courses	02/01/2020	42	Internal
<a href="#">View File</a>			

#### 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 passed in the comp. exam	Number of students placed
2020	Various clubs like GATE / Competitive exams	5	35	2	23
No file uploaded.					

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
2	2	2

## 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
40	573	209	20	490	99
<a href="#">View File</a>					

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
2019	6	BE	Refer the annexure	Refer the annexure	Refer the annexure
<a href="#">View File</a>					

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	2
Any Other	1
No file uploaded.	

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

Activity	Level	Number of Participants
T20 Cricket Tournament (Engineers Cup 2020) January 2020	State	240
EPOCH 2020	Institute	161

No file uploaded.

### 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)

Following is the constitution proposed by the University. After implementation of the revised University Act in 2018, the elections were postponed in view of the elections of legislative assembly in the state. However, for the smooth functioning of the Institute, Class representatives were nominated on the basis of their performance in examinations. Principal Chairman SWO Staff Appointed by Principal NSS Program Officer. Staff Appointed by Principal CRs Each Dept /Sem Wise Secretary of College. I/c Sports Staff Appointed by Principal Student from NSS Student from Cultural Activity Student from Sports Two Lady Representatives - Nominated by Principal Student From SWO Lady SWO College Ambassador Women s Grievance Committee

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni of any institute have strong emotional attachment with their alma mater. They are the brand ambassadors of the institute spread far and wide. Alumni have been and shall continue to be an important resource for any institution of learning provided alumni linkages are nurtured and their involvement with institute affairs is facilitated. The Alumni Association plays an important role in helping to shape the future of the Institute by representing the views of its members and contribute to build an engaged and supportive alumni community. Institute with its existence over a decade has a significant pool of its own alumni. A good number of them occupy eminent positions and can contribute to the further growth of their parent institution. Association supports in following areas: 1.Updating information about Placement opportunities in the companies they are employed or related with. 2. Inviting well placed alumni for interaction and discussion with the current students. 3. Bringing in alumni for group discussions and mock interviews. The functioning of Alumni started since July 2012 and got registered in the year 2017 as "SITRC Alumni Association" with registration number MH/702. The alumni of this Institute are giving the suggestions for recent trends in industry and accordingly the topics are covered through expert lectures, industrial visits or value addition programs. They are also asked to give their suggestions for the courses that can be conducted to bridge the gap between industry and academia which in turn make our students more employable. Network with alumni is made effective through the Alumni association and alumni also keep in contact through the Alumni page on the College website.

5.4.2 – No. of enrolled Alumni:

269

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

2

## 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)

1. Two UG programs of the Institute had gone for NBA. During the entire process, most of the decisions and purchase below Rs. 5000/- were done by the Head of Departments and the Principal. 2. While preparing for NBA, at many places the decisions regarding purchase of books in Library, laboratory equipment purchase and maintenance were taken by the entire team of faculty members.

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	As we are affiliated with Savitribai Phule Pune University, we follow the curriculum prescribed by the university. The Institute conducts various Value added programs, Expert Talks, Seminars Workshops as supportive practices for curriculum development. Also to boost the TP activities, the institute conducts many activities like aptitude sessions, communication skill development sessions for improving technical skills.
Admission of Students	As per AICTE and DTE guidelines
Industry Interaction / Collaboration	The Institute provide summer and winter internship program for third and Final year students to accumulate technical skills which help them for the placement. We also have signed many MOUs with industry for providing the platform for internship, Guest/ Expert lecture on various topics.
Human Resource Management	The institute has laid out Recruitment and Promotion policy. The recruitments of faculty are done through : University Staff Selection Interviews: Through this medium the advertisement is published with posts and category/reservations approved by the State and University. Interviews are conducted by University appointed panel of experts. Local recruitment:

The advertisement is published in state level/local newspapers. The interviews are conducted by sending the call letters and or through the walk-in, subjected to the guide lines published in the advertisement.

Promotion policy: Staff member attaining the higher qualification and meeting the eligibility norms is promoted.

Library, ICT and Physical Infrastructure / Instrumentation

The Institute has well established Central as well as Department Library. The institute provides Text book, Reference book, Competitive exam book, Aptitude book, GATE books, and Technical periodicals to the students through library. The Institute has projectors in all classrooms and two smart classrooms in the Institute. Apart from classrooms, there are well equipped labs, Seminar hall, Computer labs, tutorial room and conference room. The Institute's maximum external/internal communication is through emails. The Institute campus is Wi-Fi enabled and there is CCTV coverage and centralised monitoring.

Research and Development

The Institute has RD Cell where every faculty is involved in RD activity like applying for funds/grants for workshops / seminar and Research projects. The institute support faculty for seeking funded projects from agencies. Also faculties publish research papers in indexed peer reviewed journals.

Examination and Evaluation

As affiliated to Savitribai Phule Pune University, Pune, the examinations are conducted as per university rules regulations. However apart from university theory and practical examination the institute conduct two unit tests in each semester. Based on the evaluation of these test we identify the fast learner and slow learner students. We conduct remedial lectures for slow learners and give them assignments / question banks which help them to pass the university examination. We motivate the fast learner students to participate in various technical events such as paper presentation, project competition, KPIT sparkle, workshop, etc.

Teaching and Learning

The institute adopts various teaching learning methodologies like ICT, active NPTEL participation, National Digital Library, E-library (departmental

institutional), active student participation in IEDC, Industry MOUs, Student Feedback etc. and continuously try to deliver the best quality education to students. In addition, faculty members have developed the video lectures to tackle with COVID-19 scenario.

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

E-governance area	Details
Examination	Examination is considered as acid test for both student and teachers. Proper evaluation in spread over basis is required to know student's standard of width and depth of knowledge is taught and acquired and cultivated. Some aspects of examination management are included in ERP are mentioned below: Demo Exam Subject wise Exam Schedule Question Paper Setter Result Preparation Result Analysis
Planning and Development	Proper Management of Human Resource by ERP covers the following: ERP through intranet covers essential information showing magnanimity of the institute. Leave Management Time Table Management Load Distribution Faculty Feedback Activity Plan Various days celebration
Administration	Educational ERP has edge over traditional method of institutional management. Cost reduction, accuracy and efficiency are some of main factors that keep ERP solution ahead of traditional methods. However ERP system deals with the complete institutional process and functioning related to academic, admission, registration, examination, finance, HR, course materials, placement, student information, Alumni etc. Staff Registration, Reporting, Transfer, Attendance Process Staff Salary Calculation All Allowance Examination Module Call Log for: 1) System IT Support 2) Transport 3) Electrical Maintenance. Vehicle Management All types of Leave
Finance and Accounts	Faculty TA/DA Bills Staff Salary Calculation Deductions Details Bills for: 1) Daily allowance 2) Petrol allowance 3) Travelling allowance Income Details
Student Admission and Support	A prospective student can get required information about the institute and the detailed procedure about the admission process. Following

aspects of admission are normally included in ERP: Information related to About the institute The courses available Information about faculty, placement, infrastructure etc. Fees Module Student Login Online Document Admission Attendance Feedback Admission process Student registration Enrolment System

### 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
Nill	Nill	Nill	Nill	0
<a href="#">View File</a>				

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)
2020	Online workshop on IPR awareness	Online workshop on IPR awareness	05/05/2020	06/05/2020	67	17
<a href="#">View File</a>						

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
Nill	0	Nill	Nill	Nill
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
133	138	20	70

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Employee Provident Fund, 2. Gratuity, 3.	1. Employee Provident Fund, 2. Gratuity, 3.	1. Post Matric Scholarship Govt. of

Superannuation Scheme (LIC), 4. Medical Insurance, 5. Staff Loan Facility Co-operative Society Ltd., 6. Maternity leaves for female staff. 7. Emergency Service (Ambulance, etc.), 8. Tie-up with Hospitals, 9. Availability of staff quarter in concessional rate 10. Family and Bachelors accommodation for needy staff, 11. Financial support for up-gradation of Qualification (Ph. D in IIT/NIT reputed National Institute's), 12. Financial support for up-gradation of Knowledge through QIP/Conferences /Workshops, 13. Sponsoring Membership of Professional bodies. 14. Recognition of Faculty against Achievement (Monitoring Reward) 15. IPR policy, 16. Research Consultancy Policy, 17. Women Empowerment programs,

Superannuation Scheme(LIC), 4. Medical Insurance, 5. Staff Loan Facility Co-operative Society Ltd., 6. Maternity leaves for female Non-Teaching Staff, 7. Emergency Service (Ambulance, etc.), 8. Tie-up with Hospitals, 9. Free Transportation facility for Non-Teaching staff, 10. Availability of staff quarter in concessional rate, 11. Family and Bachelors accommodation for needy staff, 12. Women Empowerment programs,

India, 2. Post matric Tuition fee Exam fee, (EBC) 3. Rajarshi Chatrapati Shahu Maharaj Shikshan Shulk Shishyavrutti Yojna 4. Minority Scholarship (Central Govt.) 5. Earn Learn Scheme by SPPU, Pune. 6. Institute Level Scholarship

#### 6.4 – Financial Management and Resource Mobilization

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

Institute has established mechanism for conducting Internal and External Financial audit every year to ensure financial compliance. Internal audit is conducted by the parent body of Sandip Foundation. It is conducted twice a year. First internal financial audit is conducted in October/November followed by the second in April/May. Financial compliance report of internal audit is submitted to Managing Trustee of Sandip Foundation. Statutory financial audit of Institute is conducted in two sessions, first in the month of October November/ December for period of six months starting from 1st April to September and second in the month of May/ June for the period from October to March. Finalization of account is completed in June and audited statement is prepared in July. The audited statement is duly signed by Principal, Chairman and Chartered Accountant.

##### 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
Nil	0	0
<a href="#">View File</a>		



## 6.4.3 – Total corpus fund generated

0

**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	External experts from eminent academic Institutes	Yes	Senior faculty from the Department
Administrative	Yes	External experts	Yes	Internal experts

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

1. Orientation/Induction Program 2. Parent Meet 3. Sandipotsav

## 6.5.3 – Development programmes for support staff (at least three)

1. Accreditation awareness program 2. Online Exam Training 3. ERP training

## 6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Training programs: Hands on Training Program On Java Programming 2. Workshops: Design and Development of IOT applications using Raspberry Pi 3. National Seminar: Excellence in Management: Management Re-Engineering

## 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Nil
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 IQAC	Duration From	Duration To	Number of participants
2019	NBA for two UG programmes in Computer Engg and Mechanical Engg.	05/07/2019	Nil	31/12/2020	50
2019	Workshop on Outcome based Education	05/07/2019	19/08/2019	19/08/2019	89
2019	Workshop on CO-PO mapping	05/07/2019	23/09/2019	23/09/2019	65

No file uploaded.

## 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
Session On Team Building	02/08/2019	02/08/2019	60	65
Abhyudaya 2K19	04/10/2019	04/10/2019	50	50
Dare to Dream	15/10/2019	15/10/2019	75	80

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
Percentage of power requirement of the College met by the renewable energy sources Power requirement met by renewable energy sources Total power requirement Renewable energy source Renewable energy generated and used Energy supplied to the grid 36000 Kwh 586608Kwh Solar water heater 36000Kwh (6.14 power requirements by Renewable energy sources) 0

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	Nil
Ramp/Rails	Yes	0
Braille Software/facilities	No	Nil
Rest Rooms	Yes	2
Scribes for examination	Yes	0
Special skill development for differently abled students	No	Nil
Any other similar facility	Yes	0

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
2019	Nil	Nil	Nil	Nil	NIL	Nil	Nil

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
Hand book of Code of conduct	01/07/2019	Disciplinary committee keeps that vigilance for maintaining discipline in campus. Students are informed about the rules and regulations of the institute on timely basis. Mail is sent to all the staff to follow the dress code. Show cause notice is given to the staff members not following the dress code.

### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
NIL	Nil	Nil	Nil
<a href="#">View File</a>			

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

1. Replacement of lightening sources with LED.
2. Installation of solar panel.
3. Appointments of committee of teachers to save electricity.
4. The Waste water from RO is recycled for garden use.
5. Constructed STP soak pits to handle liquid waste.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**Best Practice-I Title of the Practice: Patents and copyrights. Objectives of the Practice:** • To provide a platform to students and faculty members for converting their innovative ideas into patents and copyrights. **The Context:** The institute emphasizes on developing a research culture promoting the innovative ideas of the students faculty members to convert them into patents. **The Practice:** Since the inception, Institute encourages students faculties to develop innovative ideas. For students, it begins from the foundation course which then propagates in due course by making them aware through various workshops seminars. The institute supports students faculty in filing the patents. Patent attorney is appointed to help students faculty members for clearing art of search. The patent committee of institute facilitate them for getting clearance from patent attorney. During next phase, the patent draft is filed through patent attorney. The institute bears patenting fees of all patents filed by students faculty members. **Evidence of Success:** The institute has than 90 patents to its credit. In 2014-15, Institute was ranked 5th and in 2015-16, ranked 8th in India in filling patents. Five patents are published till date. **Problems Encountered Resources Required: Problems Encountered:** • Initially, the process of patent filing was not known to the students faculty members. **Resources Required:** • All kind of e-resources, facilitating patent attorney, financial support by the institute.

**Best Practice-II Title of the Practice: Research Ph.D. Objectives of the Practice:** • To promote research activities among the students and faculty members • To enhance qualification up gradation of faculty members. **The Context:** To be a developed country it is need of the time to enhance the research culture in the institutes of the nation. Sandip Institute of Technology Research Centre dreams to become India's leading institute in the building of nation by availing research environment and

facilities to students faculty. The Practice: Since the inception of the institute we are inculcating culture of research by encouraging the students faculty by conducting various research methodological, workshops trainings by eminent personalities of leading research institutes. The institute is supporting students faculty members by providing supports for research such as finance, equipment facilities. Institute has subscriptions of various e-journals which can be easily accessed by students faculty members. Institute has formulated paid leave policy for completion of course work during doctoral programme. Due to support provided by the institute there is drastic improvement in the research work of students faculty members. Evidence of Success: Every year, the institute has more than 100 publications in various reputed journals conferences. Students are encouraged doing their final year project as research project. Problems Encountered Resources Required: Problems Encountered: • Initially, it was difficult to develop research culture among the students which was overcome by organizing research seminars. Resources Required: • All kind of subscriptions to top e-journal Springer, Elsevier, IEEE etc. • Measuring facilities like analysis software such as mini tab • Financial support by the institute.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

### 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

**IEDC Cell** The institute has been accorded for establishment of an Innovation and Entrepreneurship Development Centre (IEDC) by NEB, DST, and Govt. of India. First of its kind, DST funded centre for Innovation and Entrepreneurship in the jurisdiction of SavitribaiPhule Pune University (SPPU), Pune. The principal motive of IEDC is to transform innovative raw idea into commercially viable product. With this view the students are motivated for nurturing their entrepreneurial skills as well as faculties are encouraged to develop their entrepreneurial skills which will be beneficial for society as whole. Institute has received a fund of Rs. 46, 00,000/- over the period of five years. Faculty led students innovation is provided with mentorship related to technical, financial, business and legal aspects support to establish their own start-ups. Further, to generate awareness among student, entrepreneurship development programs are organized. The core objectives of this cell are • To provide various services including information on all aspects of enterprise building to budding Science and Technology (ST) entrepreneurs. • To catalyse and promote development of ST knowledge-based enterprises and promote employment opportunities in the innovative areas. • To respond effectively to emerging challenges and opportunities both at national and international level relating to SMEs and micro enterprises. The major functions of this cell are • To organize Entrepreneurship Awareness Camps, EDP, FDP and Skill Development Programmes for benefit of ST persons. • To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies, information on technologies, etc. Process of transforming Young Innovators into Budding Entrepreneur/ Entrepreneur takes through 10 different phases as follows: 1. Idea Generation Symposium: Brainstorming about the society and industrial problems so to find commercially viable ideas. 2. Opportunity Evaluation Meet: Scrutinizing the submitted ideas from Domain and Business Experts. 3. Entrepreneurship Services Program: Offering you different well recognized courses through our National/International to develop entrepreneurial competencies amongst your Young Innovators. 4. EnB Club: Connecting with

different mentors related to Technical, Business and Legal domains. 5. Eureka-The Prototype Development: Development of hardware at proposed cost with prior risk analysis in possible aspects.

Provide the weblink of the institution

<http://www.sitrc.sandipfoundation.org/iedc/>

### **8.Future Plans of Actions for Next Academic Year**

1. Development of LMS system. 2. Achieve the NBA accreditation for PG course in MBA and UG course in Electrical Engineering. 3. Preparing the video lectures to tackle with COVID-19 scenario. 4. To improve the placements. 5. To identify and impart the value addition courses and certification programmes so that employability of the students will improve.