



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	ISBM SCHOOL OF TECHNOLOGY
Name of the head of the Institution	Dr. P. K. Srivastava
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02035012036
Mobile no.	9168895040
Registered Email	isbm.engg@isbm.ac.in
Alternate Email	mp.yadav@isbm.ac.in
Address	S. No. 44/1/2, nande village, near Susgaon, Pashansus Road, taluka Mulshi, Pune 412115
City/Town	pune
State/UT	Maharashtra
Pincode	412115

<b>2. Institutional Status</b>	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. M. P. Yadav
Phone no/Alternate Phone no.	02035012046
Mobile no.	9657323409
Registered Email	iqac.isbmcoe@isbmcoe.org
Alternate Email	mp.yadav@isbm.ac.in

**3. Website Address**

Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.isbmcoe.org/images/pdf/SR-REPORT.pdf">_https://www.isbmcoe.org/images/pdf/SR-REPORT.pdf</a>
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<b>4. Whether Academic Calendar prepared during the year</b>	Yes
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if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.isbmcoe.org/pdf/academic/Institute-calender-2018-19-sem-2.pdf">https://www.isbmcoe.org/pdf/academic/Institute-calender-2018-19-sem-2.pdf</a>
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**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.82	2019	09-Mar-2019	08-Mar-2024

<b>6. Date of Establishment of IQAC</b>	01-Aug-2016
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**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
Training Program for	06-Oct-2018	48

enterprenership development, Startup and improvement in Placement	3	
NSS activities for students	15-Dec-2018 7	170
Focus on recent technology Workshop (Humanoid Robot)	29-Sep-2018 1	102
IPR session for students	08-Jan-2019 1	74

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**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
NIL	NIL	NIL	2019 0	0

[View Uploaded File](#)

**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 :**

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 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)**

1.Arranged Entrepreneurship Development Program and Business Startup Program to motivate students. 2.Session on IPR conducted for awareness about IPR laws and to motivate students for innovation and research. 3.NSS camp organised at nearby villege for development of students and corporate social responsibility. 4.Focus on Recent Technology Workshop like Humanoid Robot etc.

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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
Organise Enterprenership Development Program and Business Startup Program to motivate students.	Students inspired and motivate for Enterprenership and new Startup
organise Session on IPR for awareness about IPR laws and to motivate students for innovation and research.	Research Publications and Patent filing done by students and Teachers.
Organise NSS camp at nearby villege for development of students and corporate social responsibility.	Students attended the Camp and learn lot of personal skill and deliver corporate social responsibility.
Focus on Recent Technology Workshop like Humanoid Robot Etc.	Students able to understand current Technology and improve employability
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
College Development Cell	04-Feb-2023

**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 descripton and a list of modules currently operational (maximum 500 words)

ISBM School of technology, Pune, purchased Management Information System Software for ease of working and maintaining college and student information. It has different modules like student profile, staff profile, Learning material, online examination etc. It helps all stakeholder of institute to communicate and connects

with institution. Separate Login are provided to Administrators, Heads, Professors and Students. It connects Administrators, Professors and Students and helps for easily exchange of technical materials and smoother the work system.

## 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

ISB&M School of Technology Pune, being an affiliated institute to Savitribai Phule Pune University (SPPU) implements the curriculum and academic calendar prescribed by Savitribai Phule Pune University (SPPU). Before commencement of every academic year, academic calendar of institute is prepared in accordance with academic calendar of SPPU, which include internal test schedule, university examination schedule, department and institution level activities, workshops, guest/expert lectures and industrial visits. Head of each department allocates the theory and laboratory courses to faculty members according to area of specialization, skills and experience. The departmental time-table for each semester is prepared to indicate specific class, and laboratory hours. The class time-tables are displayed on common notice board. Every faculty prepares teaching and laboratory plan for the subject to be handled by them in line with the university syllabus, which is approved by Head of Department (HoD). Faculty prepares extensive lecture notes using university prescribed books and other references. Laboratory manuals are prepared for students to understand and co-relate theory with practical application. The course files are evaluated by Academic Monitoring Committee (AMC) with the help of concerned HOD before commencement of semester. AMC monitors Student's attendance and academic progress related to theory and laboratory courses conducted, according to teaching and laboratory plan. Periodic tests are conducted for theory subjects and mock examination for practical / oral. For a group of around 20 students, a faculty member is allocated as Guardian Faculty Member (GFM). GFM conducts meetings, counsels students and provides guidance. GFM also discusses non-academic issues related to students. The slow and advance learners are identified based on their test performance and class room interactions. Extra support is provided to them through additional input by conducting classes after regular sessions. Views of experts from industry, academia and alumni on curriculum are taken for improving the teaching learning process and academics. Internal Quality Assurance Cell (IQAC) through its audit takes care for fulfilling quality requirement.

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
Workshop on Hypermesh Software	NA	22/01/2019	1	Focus on Employability	Software skill development
Android and iOS App. Development	NA	06/10/2018	3	Focus on Employability	Programming Skill

Workshop	NA	18/02/2019	5	Focus on E mployability	Programming Skill Developemnt
Certificate Course on "Python Programming"					
CNC Training Workshop	NA	18/02/2019	5	Focus on E mployability	Programming Skill Developemnt
Workshop on Humanoid Robot	NA	29/09/2018	1	Focus on E mployability	Programming Skill Developemnt

## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Computer Engineering	15/06/2018
BE	E&TC Engineering	15/06/2018
BE	Mechanical Engineering	15/06/2018
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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
BE	Computer Engineering	15/06/2018
BE	E&TC Engineering	15/06/2018
BE	Mechanical Engineering	15/06/2018

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

	Certificate	Diploma Course
Number of Students	217	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
Workshop on Hypermesh Software	22/01/2019	52
CNC Training Workshop	18/02/2019	44
Training on Python Programming	18/02/2019	38
Android and iOS App. Development Workshop	06/10/2018	48
Audit Course 1 (Road Safety)	15/06/2018	52
Audit Course 2 (Intellectual Property	15/12/2018	54

Rights and Patents)		
Soft Skills	15/06/2018	52
Audit Course 3 (Cyber Security )	15/06/2018	26
Audit Course 4 (Digital and Social Media Marketing)	15/12/2018	26
Skill Development	15/06/2018	74
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	137
BE	Computer Engineering	11
BE	Electronics and Telecommunication Engineering	4
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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
<p><b>Student Feedback:</b> The Student feedback from the students is taken at the end of the semester. Student can fill the feedback form with option to reveal their identity or to be anonymous. After receiving feedback from students all data collected and summarized as per Feedback form points, if feedback of any faculty is not satisfactory, the concerned faculty is counseled by the Head of the Department and Academic Dean to improve their performance.</p> <p><b>Teachers Feedback:</b> The institute has a regular practice to conduct all faculty meeting, once in a semester where the points on academics like enhancing the curriculum effectiveness, academic discipline, Teaching Learning process, Research and Extension activities are discussed and suggestions of faculties are taken. The important and appropriate suggestions are put forward for implementation.</p> <p><b>Alumni Feedback:</b> As the alumni is key stakeholder of the institute, the feedback of the alumni is taken with due considerations. Our institute has registered alumni association. Once in a year institute conducts alumni meet where formal exit feedback is taken by the Alumni Association.</p> <p><b>Employers Feedback:</b> Employer Feedback is collected from employers about performance and industry-readiness of students. Industrialists are involved in various committees like Student Development Cell, where they directly provide inputs for development of students and institute.</p> <p><b>Parents Feedback:</b> As an important stakeholder of institute, the parent feedback is also taken and analyzed. The</p>

important and appropriate suggestions are put forward for implementation. Some of the guidelines given by the parents to improve quality of education and development of students in the parent's feedback are like students discipline, curriculum and extra curriculum activities, lab facilities, examination system, library facility, internet facilities, Wi-Fi etc. Experts/Guests Feedback: - Feedback from the guests and experts visiting the institute is taken and considered for improvements.

## 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	Computer Engineering	60	50	50
BE	Mechanical Engineering	120	23	23
BE	Electronics and telecommunication Engineering	60	31	31

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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	407	0	53	0	53

### 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
53	48	6	16	1	3

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

[View File of E-resources and techniques used](#)

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

Mentoring students is a one of a kind, interactive, and goal oriented system related to the student to deal with common scholar issues ranging from stress, fear of failure, and change to home sickness and a slew of other educational issues. It's a long process of creating a helping relationship with teachers, parents, and college students aimed at comprehensive student improvement. A mentor helps a much less experienced student gain a better appreciation for life's values through this pastime. Mentoring effectively facilitates the formation of an individual's values. Other than personal issues, students have academic issues like selection of electives can be easily communicated to the student, other issues like career options or fear of a subject need greater



involvement of the mentor. To deal with students overall issues and growth of students 'Guardian Faculty member' (GFM) system exists in this college. GFM system improves students focus on education and hence it helps institute to endeavor towards academic quality. Each faculty is appointed as a mentor to a group of 20 to 25 students. The mentors are appointed to the students from their departments respectively, Following are the responsibilities of the mentor 1. Meet the group of students on regular basis and conduct meeting for discussion of issues they are facing. 2. Continuously monitor, counsel, guide and motivate the students in all academic matters. 3. Advise students regarding choice of electives, project, summer training, internship etc. 4. Advise students in their career development/professional guidance. 5. Maintain a brief but clear record of all discussions with students. Institute has a regular practice to conduct meetings between GFM and Students on monthly basis and discuss common issues related to day today and issues related to academics.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
407	53	1:8

## 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
54	54	0	11	6

### 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
2019	Prof. Shantanu Debnath	Assistant Professor	Doctorate
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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
BE	662224510, 662237210, 662261210	1	08/12/2018	12/02/2019
BE	662224510, 662237210, 662261210	2	27/05/2019	21/07/2019
BE	662224510, 662237210, 662261210	3	13/12/2018	13/02/2019
BE	662224510, 662237210, 662261210	4	29/05/2019	03/08/2019
BE	662224510, 662237210, 662261210	5	12/12/2018	25/01/2019

BE	662224510, 662237210, 662261210	6	28/05/2019	09/08/2019
BE	662224510, 662237210, 662261210	7	11/12/2018	07/02/2019
BE	662224510, 662237210, 662261210	8	29/05/2019	18/07/2019

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

As College is affiliated to SPPU, Various assessment reforms initiated by the University which to be followed by the Institution and are as follows: For the continuous assessment and evaluation of the students SPPU Pune conducts various examinations at different level to all year students. The evaluation is on the basis of examinations defined by the university which are online examination for first year and second year students, offline In-semester examination for third and final year students, Practical and oral examinations are conducted after conclusion of teaching as per SPPU Pune. Final or End Semester examination conducted at the end of every semester. As per the SPPU Pune rule college appoint Chief Examination Officer(CEO) for smooth and disciplined conduction of exam. "CEO" also look into the problems arises related to exam along with supporting authorities like internal and external senior supervisor etc. In addition to this faculty members conducts Unit test to evaluate students. For continuous evaluation of student's performance, an Academic performance report is designed to keep record of all the practical conduction and its dates. For each practical marks are given on the basis of parameters such as timely submission, presentation and Understanding. Mock orals/practical are conducted before the external oral/practical examination. The orientation programs are held at the beginning of every semester by the HODs and GFMs to familiarize students with the continuous evaluation process. The academic calendars are displayed at the notice board indicating the Exam dates as per SPPU schedule. Result analysis is rigorously done after every exam by the class teacher and the analysis is monitored by the departmental heads along with higher authorities and take appropriate action for improvements as per necessity.

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

As ISBM School of technology is affiliated to SPPU, Pune. The college need to follow the dates for various activities like teaching commencement, examination dates, holidays etc. SPPU, Pune provide academic calendar at the beginning of every academic year. With guideline of academic calendar provided by SPPU College prepare its own academic calendar semester wise which incorporates the dates of examination and starting and conclusion of the semester, etc. The Academic Monitoring Committee, Dean Academics after taking pointers from Principal prepares an Institutional Academic Calendar at the starting of a semester which includes dates of different activities to be conducted during the semester after completion of Institute academic calendar and approval of Principal all respective branch prepares an academic calendar of the branch. It consists of a time table for unit checks, time period for examination, technical events, Guest lectures, parents meet, co-curricular, Cultural and sports activities. Academic calendar of every branch is displayed at the Notice Board. Periodic checks are performed for timely completion of activities planned as per Academic calendar and necessary action is taken by authorities

for any changes in dates of examination by university, institute needs to reschedule some activities as per the requirement. At the end of each semester review is taken in the IQAC meeting to improve the performance.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.isbmcoe.org/department/computer-engineering.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
662261210	BE	Mechanical Engineering	65	45	69.23
662224510	BE	Computer Engineering	13	13	100
662237210	BE	Electronics and Telecommunication Engineering	5	2	40

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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)

<https://www.isbmcoe.org/pdf/StudentsurveyReport2018-19.pdf>

## 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
Minor Projects	30	Philips Refrigeration and AC Engineers	0.1	0.1
Industry sponsored Projects	180	ETM Automation, Pune.	0.45	0.45
Industry sponsored Projects	180	ETM Automation, pune	0.45	0.45
Industry sponsored Projects	180	ETM Automation, Pune	0.3	0.3

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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
IPR and Patents	Computer Engineering	17/09/2018
Trends and Developments of IPR	Mechanical engineering	14/01/2019
Basics of electrical Engineering	Applied science	27/03/2019
Workshop on Hypermesh Software	Mechanical engineering	19/09/2018
Seminar on Career Guidance and Interactive Session on Gate and ESE	Electronics and Telecommunication Engineering	01/10/2018
Workshop on Digital representation on Analog Signal	Electronics and Telecommunication Engineering	05/07/2018
Seminar on IOT and Machine Learning	Computer Engineering	27/12/2018

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
Process Design for Productivity improvement with automation	Omkar Gaikwad	Auto line Industries Limited, Chakan ,Pune	16/05/2019	Student
Process Design for Productivity improvement with automation	Pranav Gidde	Auto line Industries Limited, Chakan ,Pune	16/05/2019	Student
Process Design for Productivity improvement with automation	Naynish Kadam	Auto line Industries Limited, Chakan ,Pune	16/05/2019	Student
Process Design for Productivity improvement with automation	Bhushan Khairnar	Auto line Industries Limited, Chakan ,Pune	16/05/2019	Student

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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
NIL	NIL	NIL	Ferrum Eng ineerings, Pirangut, Pune	Metal Fabrication	04/01/2019

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### 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
NA	0

#### 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	Computer Engineering	19	7.05
International	Mechanical Engineering	10	7.7
International	Electronics and Telecommunication Engineering	3	0.84

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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
Computer Engineering	6
Mechanical Engineering	3
Electronics and telecommunication	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
A Study Of Multiple Regression Analysis On Die Sinking Edm Machining Of Ex-Situ Developed Al-4.5 cu- Sic Composite	Shantanu Debnath	Materials Today: Proceedings (Elsevier)	2018	9	Department of Production Engineering, National Institute of Technology Agartala, Tripura	9

Microstructures and Mechanical Properties Studies of the Directional Solidified Developed Ex-Situ Al-4.5 Cu-SiCp Metal-Matrix Composites	Shantanu Debnath	Journal of Engineering and Applied Sciences	2018	2	Department of Production Engineering, National Institute of Technology Agartala, Tripura	2
An Efficient Routing Scheme for Internet Connected Devices	Dr. Pallavi Jha	IEEE conference	2018	0	Dept. of Computer Science Engineering, Kalinga University, Raipur, Chattisgarh, India	0
FPGA Implementation of Pipelined 8x8 2-D DCT and IDCT Structure for H.264 Protocol	Dr. P. K. Srivastava	IEEE conference	2018	1	ISBM School of Technology	1
FPGA Implementation of Pipelined 8x8 2-D DCT and IDCT Structure for H.264 Protocol	Prof. Anilkumar Jakkani	IEEE conference	2018	1	ISBM School of Technology	1
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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
A Study Of Multiple Regression Analysis	Shantanu Debnath	Materials Today: Proceedings (Elsevier)	2018	3	9	Department of Production Engineering

On Die Sinking Edm Machining Of Ex-Situ Developed Al-4.5 Cu-Si Composite						g, National Institute of Technology Agartala, Tripura
Microstructures and Mechanical Properties Studies of the Directional Solidified Developed Ex-Situ Al-4.5 Cu-SiCp Metal-Matrix Composites	Shantanu Debnath	Journal of Engineering and Applied Sciences	2018	3	2	Department of Production Engineering, National Institute of Technology Agartala, Tripura
An Efficient Routing Scheme for Internet Connected Devices	Dr. Pallavi Jha	IEEE conference	2018	0	0	Dept. of Computer Science Engineering, Kalinga University, Raipur, Chattisgarh, India
FPGA Implementation of Pipelined 8x8 2-D DCT and IDCT Structure for H.264 Protocol	Dr. P. K. Srivastava	IEEE conference	2018	0	1	ISBM School of Technology, Pune.
FPGA Implementation of Pipelined 8x8 2-D DCT and IDCT Structure for H.264 Protocol	Prof. Anilkumar Jakkani	IEEE conference	2018	0	1	ISBM School of Technology, Pune.

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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	3	3	35	0
Presented papers	15	0	0	0
Resource persons	0	2	0	0
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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/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Gandhi Jayanti/Swachhta Abhiyan	ISBM, Nande	3	49
Road safety awareness programme	ISBM, Nande	3	55
Blood donation camp	ISBM, Nande	5	145
Nirbhaya Kanya Abhiyan	ISBM, Nande	5	38
NSS Camp to torangaon	ISBM Nande	3	23
Womens day celebration	ISBM Nande	3	85
mahatma Phule Jayanti	ISBM Nande	3	62
Ambedkar Jayanti	ISBM Nande	3	48
Tree Plantation	ISBM Nande	12	43
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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
Nirbhaya Kanya Abhiyan	Recognition	NSS, SPPU, Pune.	38
Road safety awareness programme	Recognition	NSS, SPPU, Pune.	49
Swachhta Abhiyan/Gandhi Jayanti	Recognition	Central Government Activity	55
Blood donation camp	Recognition	Certificate from Blood Bank, Pune.	145
NSS Camp,	Recognition	Appriciation from	25



Torangaon, Mulshi, Pune		Grampanchayat, Andgaon, Mulshi, Pune	
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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 activities	Number of students participated in such activities
NSS	S.P Pune University, SDO	Nirbhaya Kanya Abhiyan	5	38
NSS	S.P Pune University, SDO	Gandhi Jayanti/ swacchata Abhiyan	3	55
NSS	S.P Pune University, SDO	Road safety awareness programme	3	49
NSS	S.P Pune University, SDO	Blood donation camp	5	145
NSS	S.P Pune University, SDO	NSS Camp	3	25
<a href="#">View File</a>				

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
Python Programming	Student	Institute Level	5
Training to Student on Hypermesh Software	Students	Institute Level	2
Training on CNC Programming and Hands-on Experience	Student	Institute Level	5
Seminar on IOT and Machine Learning	Faculty	Institute Level	2
Full stack Developer and Proficient in Cyber Security	Student	Institute Level	5
ETM Automation	Students	Industry Project	300
tapsoft Technology	Students	Industry Project	300
Hyundai Construction ltd.	Students	Industry Project	300
Pashankar auto	Students	Industry Visit	1

Sant tukaram Sugar Factory	Students	Industry Visit	1
<a href="#">View File</a>			

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 and Sponsored Projects	Internship and Sponsored Projects and Placements	ETM Automation	02/07/2018	04/05/2019	11
Sponsored Projects	Sponsored Projects	Tapsoft Technology	02/07/2018	04/05/2019	3
Sponsored Projects	Sponsored Projects and Placements	Hyundai Construction Equipment India Pvt. Ltd.	02/07/2018	04/05/2019	4
Industrail Visit	Industrail Visit	Pashankar Auto	25/09/2018	25/09/2018	68
Industrail Visit	Industrail Visit	Shivam Hyundai	19/03/2019	19/03/2019	80
Industrail Visit	Industrail Visit	Sant Tukaram Sugar Factory	05/10/2018	05/10/2018	38
Industrail Visit	Industrail Visit	Chaskaman Dam	03/04/2019	03/04/2019	74
Industrail Visit	Industrail Visit	EkLahare Power Plant Nashik	22/03/2019	22/03/2019	62
Internship	Internship	SKF, Chinchwad, Pune	20/09/2018	20/11/2018	4
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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
Softzeal Technology Pvt. Ltd	17/10/2018	Training	79
SCORA Technologies Pvt ltd	07/06/2018	Internship	11

Xenstack LLC	28/01/2019	Training	52
Xenstack LLC	28/01/2019	Internship	5
Blue Planet Info Solutions (India) Pvt Ltd.	18/07/2018	Internship	12
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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
220.5	260.01

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
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
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### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
AutoLib NG	Partially	2	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	4880	1040204	18	15847	4898	1056051
Reference Books	7575	1198402	142	97285	7717	1295687
e-Books	152	0	62	0	214	0
Journals	33	95331	5	24578	38	119909
e-Journals	275	688284	0	0	275	688284
CD &	412	0	22	0	434	0

Video						
Library Automation	1	50000	0	0	1	50000
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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	Platform on which module is developed	Date of launching e-content
Dr. M. P. Yadav	Applied Physics	MIS	24/09/2018
Prof. Khemkar C. S.	Theory of Machine	MIS	26/09/2018
Prof. Sitaram Longani	Microcontroller 8051	MIS	18/09/2018
Prof. Kirti Randhe	Operating System	MIS	24/09/2018
Prof. Vaibhav Edake	Design of Machine	MIS	24/09/2018
Prof. Krishna Kumar Yadav	Design of Centrifugal Pump	MIS	24/09/2018
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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 (MBPS/GBPS)	Others
Existing	300	11	300	1	1	5	3	50	0
Added	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>300</b>	<b>11</b>	<b>300</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>50</b>	<b>0</b>

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

50 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
MIS	<a href="https://isbmsot.smartschoolmis.com">https://isbmsot.smartschoolmis.com</a>

#### 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
90	99.64	220	260.01

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 physical academic and sport facilities are maintained by standard procedure and systems of the institute. Procedure for maintaining equipment furniture Procedure for maintaining and utilizing physical, academic and sport facilities Laboratory, Library, Sports complex, Computers, Classrooms and Suggestion box etc. ? The maintenance of academic facilities such as Computers, Printers, Photocopy Machine, Cameras, as well as Physical facilities like Water coolers/filters, gardening, cleaning etc. are done by given Annual maintenance contract. ? Library- The library maintenance is done by regular approved vendors. ? Sports- The sports related maintenance and repairing of kit is done by regular approved vendor. ? Laboratory- All the records related to the Lab such as equipment, furniture and other material are maintained by respective Lab In-charge or the concerned teacher/staff. ? Laboratory Maintenance: In case of maintenance or repairing of equipment issue arises, respective Lab In-charge or concerned teacher/Staff generate maintenance report/request and sanction it by Head of Department Dean. This approved document is given to "Purchase committee" who will assigned equipment maintenance to third party equipment experts. These experts carry out the repair/maintenance of the equipment. The Lab In-charge or concerned teacher/Staff will convey repairing of equipment or any fault/breakdown to the vendor. After inspecting equipment, a report will generated and submitted to Principal for approval. Workshop related maintenance repairing is done by workshop department. In case of major maintenance/ repair approval for the expenses are taken from the Principal. ? Library Maintenance: The latest books, journals and e-contents are updated frequently in the library by the "Library Committee". All the requirements regarding books other contents in the library are taken from all staff by each department and all Head of Departments are involved in the process. The finalized list of required books is duly approved and signed by the Principal. ? Maintenance of Sports Facilities: A physical director is appointed for the utilization and maintenance of the institutes sports facilities. Following flowchart indicate the standard procedure adopted for the utilization and maintenance of the institutes sports facilities. ? Classrooms - A "Building Committee" work for maintenance and upkeep of infrastructure. Requirement regarding Classroom furniture and other are submitted by Head of the Department to the Principal. The College Development Fund is utilized for classroom maintenance and minor repair of furniture and or other electrical equipment. Full time housekeepers are appointed for cleanliness of class rooms. Technicians, carpenters also deputed by management to ensure the maintenance of classrooms and related infrastructure. ? Centralized computer laboratory- Computer maintenance is done regularly through AMC and non-repairable systems are disposed off.

<https://www.isbmcoe.org/pdf/criteria4-2018-2019.pdf>

## 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	Fees concession to financially week students	14	284000
Financial Support from Other Sources			
a) National	SC, SBC, VJNT,	244	3608718.5

	OBC, EBC		
b) International	NIL	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 implementation	Number of students enrolled	Agencies involved
Yoga and Meditation	21/06/2018	78	Mr. Prasanjeet Bhattacharya, Physical trainer from ISBM School of Technology, Nande, Pune.
Bridge Course	18/09/2018	36	ASHRAE
Bridge Course	03/10/2018	45	Blue Planet InfoSolutions Pvt. Ltd.
Bridge Course	22/01/2019	52	Mr. Dnyaneshwar Dhanak (CADD Centre, Aundh)
Bridge Course	25/02/2019	22	Mr. C. B. Joshi Mr. Rohit Kulkarni Academic Expert
Bridge Course	20/09/2018	40	Mr. C. B. Joshi Academic Expert
Remedial Coaching	27/03/2019	46	Dr. Siddhasen Patil SCOE, Pune.
Meditation	21/06/2018	78	Mr. Prasanjeet Bhattacharya, Physical trainer from ISBM School of Technology, Nande, Pune.
<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
2018	Guidance for Competitive Examination	80	0	3	0
2018	Career Counselling	0	82	0	37
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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
0	0	0

## 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
Homzhub , Sunguard Elevators Pvt. Ltd., Byjus, ETM Automation,	82	4	ATOS, TCS, Testronic, HCL Technolo gies, Amazon, Infosys, IBM, Expert Business Solution, Synergy Ace Solutions Pvt. Ltd., Eaton Hydraulics, Yes Bank Securities, SAP Consultant, Vishwasuta Engineering, Mahindra CIE, TATA Technology Ltd., TATA Motors, P	70	33
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	ISBM School of Technology, pune.	Mechanical Engineering	ISBM PGDM	PGDM
2019	1	ISBM School of Technology, pune.	Mechanical Engineering	Wayne State University	Masters in Mechanical Engineering
2019	1	ISBM School of	Mechanical Engineering	ISBM PGDM	PGDM

Technology,  
pune.

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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
CAT	2
GRE	2

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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
Outdoor Games	State Level	34
Indoor Games	State Level	122
Cultural activity	Institution level	169

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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Winner in Chess competition at Minerva ISBM COC	National	1	0	1542	Sanket Yadav
2019	Third position in the form of KATA & Kumite in First Asian Open Kyokushin Championship, Nepal	International	1	0	1796	Tanvi Jadhav
2019	Consolation Prize in the division of Kumite at National Kyokushin Karate Championship, Kharagpur	National	1	0	1542	Sanket Yadav



2019	Consolation Prize in the division of Kumite at National Kyokushin Karate Championship, Kharagpur	National	1	0	1012	Rahul Vishwakarma
2019	Consolation Prize in the division of Kumite at National Kyokushin Karate Championship, Kharagpur	National	1	0	1015	Abhishek Shukla

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

The Institute gives the students opportunities to participate in the numerous academic and administrative bodies. This "Student Council" includes representatives from all the cadres, so as to improve the impact and effectiveness of the Council. The "Student Council" solves the issues of the students, not just limited to academics, but also their personal and administration related issues like hostel, water supply, electricity, canteen, recreation (like TV, IT room, etc.) are heard, discussed and resolved. Based on suggestions and reports of the student council, the Management implements and improvises the infrastructure and other facilities for the students. Management is committed to provide a nice and clean hostel, gymnasium, 24 hour central library, laboratory access to the students even after college hours and the other basic facilities that are required to groom the students. The Council also partakes in regulation of various extracurricular activities. These activities are mandatory for the reformation of the institute. The Council is also instrumental in providing students' satisfaction information in the form of feedback. This feedback contains views and suggestions about infrastructural development, transportation, canteen mess, conduction of seminars workshops, syllabus coverage and more.

**5.4 – Alumni Engagement**

5.4.1 – Whether the institution has registered Alumni Association?

Yes

We have Alumni Association with registration number 'MAHARASHTRA/82/2018/PUNE'. It acts as a bridge between the former students, current students, management and faculty members. The alumni association is constituted by former students, faculty members and management. Under this association, alumni meets are conducted. Alumni share their experiences, problems faced while working in industry or pursuing higher studies. An alumnus serves as a role model to our students. They are the brand ambassadors of the institute. We encourage our students to interact with them and get guidelines to build their career.

Feedback is taken from alumni during the meet. In that, alumni suggest us things like change in curriculum required as per industrial requirements from placement point of view. They also suggest courses which are in high demand. We use these feedback to enrich the curriculum. Alumni donate various books to the departmental library. Institute is getting tremendous support from alumni for placement of students and to conduct expert talk or refer experts from his/her circle, provide references for summer or winter internship in his/her industries. We also plan for industrial visits with the help of alumni. We invite our alumni to be judges in various competition organized in the institute. The alumni are also involved in entrepreneurship development activities. Alumni highly contribute and shape the path related to academics, placements and skill development.

5.4.2 – No. of enrolled Alumni:

132

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1 Alumni Meet Organised on 27/02/2019.

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

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

The institute is following decentralization practices and participative management by implementing following Quality Policy and Plan. Establishing right attitude and human values among the students. Appointment of skilled Faculty members, fulfilling norms of the Institute/AICTE/UGC. Promoting research culture among students Faculty members. Course file and lab manuals of each subject is prepared and maintained with proper contents to maintain teaching quality. Monitoring of lectures and practical's is done by academic monitoring, Dean Academics, HODs committee. Comparative result analysis is done and necessary actions are taken. by Principal, HODs and Faculty. Various seminars, workshops and co-curricular activities are organized. Appreciation of the students is done through various awards on annual Management and Principal to motivate the students. Expert lectures of renowned personalities from the industry are organized. Infrastructure and resources like PCs, internet, software etc. has been provided to the students by the Management as per the AICTE norms in order to ensure effective teaching learning process. Repair and maintenance of infrastructure are done time to time as per requirements. MOU's made with various industries and institutes for promoting industry Institute interaction and to improve employability of students. The Principal, HODs and coordinators accomplish the task of teaching learning activities involving staff, students, stakeholders and management. All teaching learning activities are planned and carried out according to academic calendar. Staff meetings are conducted by HODs for delegating the academic activities at their respective departments. As the part of participative management, Parents teacher meet and Alumni meet are conducted. Parents and alumni feedback is taken periodically to access the quality of teaching learning process and suggestions from parents and alumni are considered for improvement.

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
Industry Interaction / Collaboration	<p>Based on available resources, the perspective /strategic plan of institute is prepared for the next academic year. As per the objectives of the institute and the strategic plan, Industry Institute Interaction has been promoted for strengthening student's skills to enhance employability. The action plans are formulated in line with quality policy under the leadership of the Principal. The action plans are incorporated by HoDs into their strategic plans for effective implementation. For example, Placement Assistance Cell (Students Staff) is formed in centralized manner. Apart from this each department has their Placement Assistance Cell Coordinator from staff members as well as from the students. Interaction with various stakeholders: 1.Analysis through HR meets Placement Assistance Cell organizes HR meets, placement drives. The inputs given by HRs and employers are considered while framing policies for employability enhancement of students. 2.Consultation with stakeholders: Interactions with the students and parents during career guidance seminars/admission counselling and interaction with alumni during alumni meet serves as an important input for aligning the activities of the institute with the needs of the stakeholders. 3.Guidelines given by AICTE in Approval Process Handbook, LIC/DTE committee visits provide sufficient inputs for sustainable policy towards industry interaction. These inputs are taken into consideration while making amendments in the policies. Implementation of action plans: 1.Building relation with industries through MoUs to develop interaction with various industries, get industry sponsored projects for students and provide training to the students on latest trends in industry. 2.Arranging Industrial Visits, for all students including FE students. 3.Expert lectures by industry experts for all students. 4.Training sessions for staff in industry towards FDP. 5.Department collaborates with industry</p>

for summer training, Summer/Winter Internship of students. Evaluation of policies and action plan by monitoring the outcome: The Principal, Deans and HoDs monitor performance of the students through their practical Skill, Projects and paper publications. Placement records indicate output of policies and action plan implementation. Feedback from industry is sought against students getting benefited through industry interaction for the evaluation.

Admission of Students

For admissions, following activities are carried out: Banners are placed at prominent locations around Pune, Advertisements are given in leading newspapers, Brochure and newsletters of the Institute are prepared and distributed at authorized CET Exam Center. Institute brochure and newsletters are shared with parents and students during the CET exam period and Counseling of students and parents are done. Admission and branding team give presentation and do parents and students counseling to the Junior colleges at various locations.

Teaching and Learning

The academic coordinator monitors the various teaching learning activities:

- 1.Regular Conduction of lectures, practicals, Tutorials, project work as per the time table.
- 2.Time to time follow-up of Syllabus coverage report
- 3.Cumulative attendance report of every class periodically.
- 3.Defaulter students list whose attendance is less than 75 percent.
- 4.Conduction of remedial classes for weak and defaulter students.
- 5.Continuous assessment (CAS) of the practicals and Term work.
- 6.Regular. Conduction of project and seminar presentations.
7. Conduction of unit tests as per the schedule.
- 8.Academic monitoring reports are periodically reviewed by the Principal and corrective actions are taken.

Research and Development

The institution has adequate infrastructure for carrying out research activities. Departments have procured relevant equipment and software for carrying out research. An Innovation Cell has been constituted and an appeal has been made to all faculty members along with students to carry out research work. In past five years, 12 seminars were conducted on

Intellectual Property Rights (IPR). Faculty members have presented 32 research papers in International, National and State level Seminars /Conferences and 161 research papers are published in reputed Journals. Dr.P.K.Srivastava, Principal, has published one book having ISBN recognition. Several MoUs are executed with industries, training and research institutions for broadening the vision of students and giving them a wide exposure. Field trip, Internship, on-the-job training, case studies and projects with Industries are promoted as a part of academic activity. Students are encouraged for undertaking research projects. For exchange of knowledge with outside world, 68 linkages have been constituted and supported by 23 MoUs.

Library, ICT and Physical Infrastructure / Instrumentation

The institute has user friendly fully automated 'Auto Lib Software' installed since 2012 as Integrated Library Management System(ILMS). Library having 2875 titles and 11296 volumes of Books are available and journal collection fulfills requirement of students as well as Faculty members. The College provides adequate Infrastructure facilities which are meeting not only the norms of regulating bodies but satisfies functional needs. The Classrooms, Seminar Halls are Equipped with ICT Facilities. All Laboratory equipment's are as per Syllabus requirement. The physical facilities comprise 16 Classrooms, 40 laboratories, 04 Seminar halls, Placement Assistance cell, adequate space for outdoor indoor sports activities. All supporting facilities such as Hostel for Boys and Girls Food court, Playground, Gymnasium, Swimming Pool, Auditorium are available in Campus. Doctors are available 24x7 in the campus. In campus, water and Sewage Treatment Plants are installed and maintained properly. Lift is installed for Physically Handicapped students as well as the college students and staff. All infrastructure Facilities like Drainage System, Electric Supply, Road, inland Communications are provided. Institute has very strong IT infrastructure and is regularly updated. IT facilities in terms of hardware, software and firewall system

are as per needs. The institute has a network of 300 computers with 50 Mbps internet Connectivity to fulfill the academic and research need. .In Campus and Institute, students and staff are using.

Human Resource Management

Under Human resource management following points are carried out. For recruitment process advertisements are given in national local news papers and the same will be displayed on the college website. Received resumes will be scrutinized by the departmental HOD based on qualifications and experience for the required subject. Interviews are conducted by the committee and as per the recommendations of committee, Principal will finalize the candidates. The same will be recommended and forwarded to the management for approval. Finalized candidates are made to avail approval from University. Standard promotional policies laid down by the University are followed. Recruitment and leave policies as per norms of statutory bodies. Sponsorship or funding provided by management and duty leaves sanctioned for attending seminar, workshops and conferences, industry and technical exhibitions visits.

Curriculum Development

ISBM School of Technology is affiliated to Savitribai Phule Pune University (SPPU), and follows the curriculum prescribed by SPPU. Institute calendar is prepared in accordance with university calendar. Every department prepares departmental academic calendar for strong implementation of academic, cultural and sports activities. Training programs, seminars, guest sessions and certificate courses are organized for bridging gap between the industry requirements and academics. Students are motivated to participate in technical and non-technical activities by faculty members. Flexibility in curriculum offered by SPPU is utilized to greater extent, as students can choose the elective subject from available options. SPPU curriculum integrates crosscutting issues like human values and professional ethics, Environment and sustainability and gender equity. Institute organizes program on gender sensitization, environmental sustainability and other social issues.

Institute seeks feedback from various stakeholders for development of institute and curriculum enrichment. Reports of academic, technical, sports and cultural activities are made available through website. Feedback analysis and report are uploaded on website to achieve the transparency in institute development process. In course curriculum course file, teaching plan, lab file ,lab plan, attendance register, log book register, departmental files are maintained by faculties which is monitored by every department HOD.

Examination and Evaluation

As per the guidelines of SPPU separate examination cell is established under CEO along with supporting staffs with necessary infrastructure. External and internal senior supervisors along with junior supervisors are appointed to ensure effective implementation of University reforms. For smooth conduction of University theory examination, an internal vigilance squad comprising of senior faculty members is appointed. Centralized assessment program is conducted for assessment of answer sheets of in-semester theory examinations as per guidelines of SPPU. Effective implementation of evaluation reforms initiated and implemented with the consent of head of the departments and principal. Institute appoints examination coordinator from each department for smooth conduction of the examination. Overall Examination and evaluation process is carried out as per SPPU. For theory courses, the assessment is carried out by Online Examination (for FE / SE) InSem Examination (for TE / BE) as an internal examination of 50 and 30 marks respectively. The End Semester Examination of 50 (for FE / SE) and 70(for TE / BE) marks carries out the final assessment of each course. InSem exam for FE /SE is online, the assessment is computer based, whereas the assessment of TE /BE InSem exam is carried out at CAP center at college level. The assessment of End Semester Examination is carried out at CAP center organized by SPPU University. For FE to BE. The Lab Practical, Project, Seminar and Term Work continuous assessment is based on

attendance, submission of files assignments etc. End semester Practical/Oral exam is conducted and assessed jointly by internal and external examiner appointed by SPPU.

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

E-governance area	Details
Planning and Development	SMART SCHOOL MANAGEMENT INFORMATION SYSTEM ERP software is used for carrying out academic activities. Using this software all class wise daily activity reports are generated. Notices are circulated through E notice management system, Learning material is also circulated to students using this software.
Administration	Use of Google sheets/excel sheets is done for data transaction of academic and administrative type work. Autolib software is used for I-card generation of students in library, open source Greenstone software is used in library for book issue and return and for Bio-metric Attendance Smart office software is used.
Finance and Accounts	Separate account department look into all finance and account related issues, Account department have ERP tally software were they maintain all transactions and fees paid by students and transactions related to college activities and events. Maintenance of ledger are carried out using Tally software.
Student Admission and Support	Admission process carried out as per rule of DTE, The members from admission team guide and help the students, explain them procedure of admission, documents requirement. College has facility of digital payment so students can easily pay college fee through digital payment platform and records are maintained with ERP Tally software.
Examination	Following activities are carried out online using university portal: a. Online examination (First year and Second Year UG students) b. Question papers of University Examinations (received electronically) d. Marks submission for oral/practical and project examinations e. Receipt of remuneration for paper setting and assessment of papers.

6.3 – Faculty Empowerment Strategies



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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr.P.K.Srivastava	Technical exhibition related to Automation	People's Empowerment Group(PEG) Trust	2152
2018	Prof. Asarani	Technical exhibition related to Automation	People's Empowerment Group(PEG) Trust	2152
2018	Prof. Atul Mokal	Technical exhibition related to Automation	People's Empowerment Group(PEG) Trust	2152
2018	Prof. Abheejit Sarkar	Paper submitted in International conference on sustainable development	People's Empowerment Group(PEG) Trust	1250
2018	Prof. Shantanu Debnath	Paper submitted in International conference on sustainable development	People's Empowerment Group(PEG) Trust	1250
2018	Prof. Dhiraj Kumar	Paper submitted in International conference on sustainable development	People's Empowerment Group(PEG) Trust	1250

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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)
2018	Yoga Day	Yoga day	21/06/2018	21/06/2018	38	6
2018	Financial well being for faculty	NA	16/10/2018	16/10/2018	19	6

2018	FDP on IOT and machine Learning	NA	27/12/2018	28/12/2018	8	0
2019	Hypermesh training session	NA	22/01/2019	22/01/2019	4	0
2019	Basics of calibration its concepts	NA	27/04/2019	27/04/2019	24	0
<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
Technical exhibition related to Automation	3	06/10/2018	06/10/2018	1
International Conferance on Sustainable Development	3	14/02/2019	15/02/2019	2
Specifying Radiant Heating Cooling Systems	14	17/11/2018	17/11/2018	1
FDP on IOT	8	27/12/2018	28/12/2018	2
<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
46	54	1	17

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Gratuity, EPF, Group Insurance	Gratuity, EPF, Group Insurance	Earn and Learn Scheme 21 students

## 6.4 – Financial Management and Resource Mobilization

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

The institute account books are audited regularly by both Internal and external agencies. The internal audits are carried out by head of account section as per requirement. The external audit is conducted once in a every year by registered Chartered Accountant firm. So far there have been no major findings/objections. Minor errors of omission and commission, when pointed out by the audit team, are immediately corrected/rectified and precautionary steps are taken to avoid

recurrence of such errors in future.

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
People's Empowerment Group(PEG) Trust	2126749	ORION 2018
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6.4.3 – Total corpus fund generated

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## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	Yes	IQAC Coordinator
Administrative	Yes	ISBM School of Technology	Yes	IQAC Coordinator

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

Parents contribute and give their valuable suggestions through following activities. 1 Parent teacher meet. 2. Parents from industrial sector supports for enhancing industry institute interaction 3. Feedback on Curriculum.
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6.5.3 – Development programmes for support staff (at least three)

1. Financial well being for faculty. 2. Yoga day. 3. FDP on "Basics of calibration its types".
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Focus on Research activity. 2. Improvement in health. 3. Digitization of records.
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6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
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	Training Program for enterpreners hip development, Startup and improvement	18/09/2018	18/09/2018	19/09/2018	32

	in Placement				
2018	NSS activities for students	15/12/2018	15/12/2018	21/12/2018	170
2018	Focus on recent technology Workshop (Humanoid Robot)	29/09/2018	29/09/2018	29/09/2018	102
2019	IPR session for students	23/02/2019	23/02/2019	23/02/2019	38
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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
Self-Defense Workshop for girls organized by NSS	06/07/2018	07/07/2018	75	10
Session on "Women in Workforce" by Dr. Suman Mishra	05/03/2019	05/03/2019	60	20
International Women's Day	08/03/2019	08/03/2019	100	40
Women's Day Celebration	08/03/2019	08/03/2019	80	20

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
<ul style="list-style-type: none"> <li>• Regular training of waste disposal for faculty, students and technicians.</li> <li>• Tree plantation programmes by students and staff of all the constituent units.</li> <li>• Conducting environmental awareness programme and Swachata Bharat Abhiyan.</li> <li>• Use of LED and solar lamps in campuses.</li> <li>• Arranging village cleanliness drive at nearby villages during NSS winter camps.</li> <li>• Awareness program on prohibition of cigarette smoking and tobacco.</li> <li>• Organization of awareness campaign on junk food and road safety.</li> <li>• Generating awareness among students and staff to reduce use of plastic and thermocol</li> <li>• Biogas plant and waste water treatment plant available in campus.</li> <li>• Composting of wet garbage</li> </ul> <p style="text-align: center;">Around 5 percentage of power requirement of the campus is met by solar panel</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	No	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	1	10/01/2019	1	Guest lecture on Entrepreneurship	Awareness of Entrepreneurship	50
2019	Nil	1	14/01/2019	1	Tree Plantation	Awareness of environmental	38
2018	1	Nil	18/06/2018	1	Industrial visits	locational advantage	50
2019	Nil	1	09/01/2019	1	Guest lecture on Government Scheme	Social Awareness	40

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

Title	Date of publication	Follow up(max 100 words)
ISBM Handbook	18/06/2018	The Institution has a Quality Assurances and standard operating procedure manual for Information of Staff and Students which clearly defines various procedures about academics, Finance, Administration and Overall working of the institute.

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

Activity	Duration From	Duration To	Number of participants
YOGA day	21/06/2018	21/06/2018	135
Teachers Day	05/09/2018	05/09/2018	150
Engineers Day	15/09/2018	15/09/2018	180
Gandhi Jayanti	02/10/2018	02/10/2018	59
Mahatma Phule Jayanti	11/04/2019	11/04/2019	62

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

1) Tree plantation 2) E waste management 3) Water recycling plant 4) Rain water Harvesting

## 7.2 – Best Practices

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

Title of the Best Practice 1 : NSS Activity. Objective: 1. To encourage and involve students in social activities in the earlier stage of their career and to participate in social activities. 2. To boost student's confidence and skill to come together and work in team. 3. To improves their interest in the social activity and ethics. 4. To enhance managerial skill of the students, to understand how to handle problems, what is need of society, importance of education etc. ISBM College of Engineering is actively participate in the events organized at university level for NSS related activity as well as conduct various activity like NSS Camp, Blood Donation Camp, Nirbhay Kanya Abhiyan, swaccha Bharat Abhiyaan, Road Safety Program etc. at institute level.

Title of the Best Practice 2 : Institute Industry Interaction Objective: 1. To make students aware about need of industry and Industrial culture. 2. To minimize gap between academics and industry. 3. To enhance technical skill and employability. 4. To Motivate and Encourage students for creative mind-set. 5. To create awareness about current trends of technology in industry. ISBM College of Engineering organizes various activities like Expert session, Guest lecture, certification Courses, seminar, webinar etc. along with industries. Experts from industries are invited to guide students through various activities organized to improve student's skills and employability, to aware students about current technology etc. It also aims to ignite creative thinking and nurture technical instincts in students. ISBM college of Engineering organizes various activities under MOU made with different industries.

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

<https://www.isbmcoe.org/images/pdf/BestPractices.pdf>

## 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

The activities of the Institute are not limited to regular academics and administrative work. Innovation is the key thrive in this era of cut-throat competition. Focusing on Institute's vision, priority and thrust, students are involved motivated towards thinking out-of-the-box and to come up with innovative ideas. We are committed to provide world-class education to change the lives and careers of Indian youths. We need to maintain the spirit of responsible egalitarianism and demonstrate superior professional competency. We

promote a culture of liberty, openness, friendship, energy, enthusiasm and freedom of thought. ISBM School of Technology foster creativity and imagination to stimulate the professional superiority and proficiency. We believe in the process of reshaping the attitude of students and giving them opportunity to explore and rediscover themselves. We strongly believe in "Outstanding students and faculty members make great Institute"

Provide the weblink of the institution

<https://www.isbmcoe.org/pdf/criteria/7.3.pdf>

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

Identifying the need for training and placement of the students It is proposed to increase the Industry Institute Interaction that will bridge the gap between University curriculum and Industry. The bridging will be achieved through increasing number of internship training programs, increasing number of Industry sponsored projects, increasing number of interaction sessions with Industry people (both theory and hand-on). Also, faculty members will be encouraged to go for some advanced training programs in the current trends/software in Industry. Students will be made aware and motivated about the competitive exams and the related Government jobs. The required training agencies/ faculty members will be identified and informed to the students for the same. The technical ability of the students will be increased through the learning material provided by the faculty members through the course file. This will indirectly help the students to cope up with the current trends in Industry and in-turn increase the placements.