

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

ISBM SCHOOL OF TECHNOLOGY

S. NO. 44/1/2, NANDE VILLAGE, NEAR SUSGAON, PASHAN-SUS ROAD,
TALUKA MULSHI, PUNE 412115

412115

www.isbmsot.org

SSR SUBMITTED DATE: 08-10-2018

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

October 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

ISB&M School of Technology established in 2010 has been growing up rapidly in last few years. It has strong alumni base, spread all over the country as well as in different parts of the world. At ISB&M School of Technology, we maintain a high standard of education and continuously strive to create a learning environment in order to promote a great career.

ISB&M School of Technology is a Constituent of People Empowerment Group, offers Bachelor of Engineering (BE) Programme and is approved by AICTE – Delhi, DTE – Mumbai, Maharashtra State Government & Affiliated to Savitribai Phule Pune University.

The ISB&M School of Technology offers UG engineering degree courses in Computer Engineering, Electronics and Telecommunication Engineering and Mechanical Engineering.

The ISB&M School of Technology has experienced and highly qualified staff, spacious classrooms and well equipped laboratories. The campus provides excellent academic environment for the students.

Vision

To Empower Efficient and Innovative Technocrats to fit into Global Competency.

Mission

- Ensuring State Of The Art, Outcome Based Engineering Educational Scenario.
- Fostering a Strong Industry-Institute Partnership which leads to a Life Long Career.
- Linking Students with Societal Challenges by means of exposure to Techno-Societal Arena.
- Imparting Leadership Qualities to Aspirants through Multi Dimensional Capacity Building and Soft Skill Enhancement.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Dedicated and Enthusiastic Full-time faculty members.
2. Conducive environment for teaching-learning process.
3. Green, pollution free and well maintained campus.
4. Enthusiastic students with innovative abilities.

Institutional Weakness

1. Research and Consultancy opportunities not well explored.
2. Less representation of faculty members in Academic bodies of University.
3. Being an affiliated Institute, we are not able to frequently modify/revise the syllabus as per the changing trends in Technology, hence not able to attract students from other states and foreign countries.

Institutional Opportunity

1. Many Industries are located near to the Institute.
2. Chances to collaborate with industries of global standards.
3. Students have opportunity to groom themselves for Holistic development as Pune is cultural and academic capital of Maharashtra.
4. Formation of Student's Association.
5. Able to Serve for the development of Society.

Institutional Challenge

1. Changing the mind set of aspirant from "role learning" to "thoughtful learning".
2. Placement in core Industries.
3. To associate with Foreign University.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

ISB&M 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 cross cutting issues like human values and professional ethics, Environment and sustainability and gender equity. Institute organizes programs 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.

Teaching-learning and Evaluation

The admission of students to the institute is as per the norms of SPPU, Maharashtra State Government and AICTE. The centralized admission process ensures the diversity of student admissions to the institute.

Institute has well qualified and experienced faculty with good retention ratio. The teacher student ratio is as per the norms.

All the departments of the institute prepare the academic calendar in tune with the Institutes academic calendar to ensure well planned academic activities and thereby improving the quality of teaching-learning. It is always tried to achieve excellence in teaching – learning by introducing new innovative techniques to provide students with rich learning experience.

The staff and student issues/grievances are addressed by committees like student counseling/orientation, Guardian Faculty Member (Mentor/Mentee) Scheme and are closely monitored.

Institute has well defined process for identification of slow learners and advanced learner students. Faculty takes efforts to empower them to perform better, by means of various measures.

Under the leadership of the College Examination Officer In-semester and End-semester examinations are conducted. Fair practices and transparency are maintained in the examination and evaluation processes.

The Head of all the departments and Academic Monitoring Committee (AMC) monitor the effective implementation of teaching plan and adherence to academic calendar. Record of progressive assessment of term work and internal assessment are maintained through MIS

Evaluation strategies is designed as per the expected levels of different cognition-types, starting from students' ability to remember, recall and understand the subject areas presented to them to their ability to apply, analyze and evaluate the same.

The institute maintains transparency in internal assessment of students rigorously. Timely submission and assessment of assignments, performance of student in unit tests, seminars and project improve presentation skill.

In innovative teaching methodologies, all Teachers using ICT for effective learning like websites, whatsapp, google, ERP and digital library.

Institute follows program outcomes (POs) specified by SPPU. Each department has defined program specific

outcomes (PSOs) and course outcomes (COs) and evaluate by the institute.

Institute has an online feedback system, it maintains transparency in the system and utilizes it for the overall improvement.

Research, Innovations and Extension

The Institution understands that a lot has to be done in the area of Research and Extension Services. However, enough has been done in the area of extension activities in past two years for the society and the holistic development of the students. As already stated **seven** professors have PhD degree and others are Pursuing PhD or having Masters in Engineering Degree. 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 **30** 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. The National Service Scheme (NSS) unit is fully functional in alliance with S. P. Pune University to impart a sense of social responsibility amongst students and involving them in constructive services. Around **33%** students are being nurtured in the form of NSS volunteers who contribute in development of rural areas. NSS unit has adopted villages and school for helping them through surveys, education and health awareness programs. In addition to serve altruistic causes, students are awarded extra marks by the University for NSS activities.

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**.

Infrastructure and Learning Resources

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, exclusive Placement Assistance cell, adequate space for outdoor & indoor sports activities. All supporting facilities such as Hostel for Boys and Girls, Cafeteria, 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.

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.

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. Centralized firewall cyberoam is used for networking. In Campus and Institute, students and staff are using Wi-Fi regularly. The institute has implemented enterprise resource planning (ERP) software in order to make the system student centric and enhance learning experience.

Entire Campus is well developed, Landscaped and maintained properly. The institute has appointed housekeeping and security staff.

Student Support and Progression

Our Institute is registered under Hindi Linguistic Minority Status. Numbers of students are given benefits of scholarships and free ships by government and by the Institute as well, every year.

We offer number of capability enhancement schemes for competitive Examinations, Career Counseling, Soft Skill Development, Remedial Classes, Bridge Courses, Yoga and Meditation Sessions and Personal Counseling is done for overall Personality Development of students.

We have number of students got benefitted by guidance for competitive examinations, career counseling and vocational education training.

Our Institute has transparent mechanism of redressal of students grievances including sexual harassment and raging cases.

We have very good track record of placement of outgoing students. Numbers of students have become entrepreneurs and many students have opted for higher studies in India and abroad by clearing national/ International qualifying Examination and Civil Services.

Numbers of our students have won many awards and medals in sports and cultural events at national/international level. We encourage our students to participate in sports and cultural activities for their overall development.

Our students have strong presence and representation in active students council, academic / administrative committees at Institute level.

We have registered ALUMNI ASSOCIATION which contributes in significant development of Institute.

Governance, Leadership and Management

To fulfill the stated Vision by using planed Mission and Objectives of the institute, management, Principal and faculty members work together through a well planed organizational system.

The institute has Governing Council (GB) and Local Managing Committee (LMC) as two apex bodies which are working for finalization and review of policies, strategies, plans and budgetary provisions required for implementation of the policies and plans.

The institute has its quality policy with faculty to top management approach after considering opinion of all stake holders.

GB and LMC body ensures involvement of all stakeholders in planning and development strategy of institute. The Principal in consultation with Deans, HODs and senior faculty members chalk out the plans for effective implementation of policies finalized by GB and LMC.

The management has active involvement in implementation of quality policies, plans and provides all necessary support for quality improvement of the institute in all dimensions.

The institute always considers importance of empowerment and professional development of staff through training, assigning responsibilities, guidance from eminent academicians and technocrats. Faculties are empowered to make decisions related to formulating lab infrastructure, selection of laboratory equipments etc.

Budgeting is carried out annually to cater the academic and administrative requirements of all teaching-learning related activities at the start of the semester. The financial support is provided to co-curricular and extra-curricular activities of students under the guidance of faculty coordinators.

The institute focuses on financial management for optimum use of available resources. All financial statements are audited through external audits. The institute has Internal Quality Assurance Cell (IQAC) to monitor and streamline academic and administrative processes. Prior to formation of IQAC, Academic monitoring Committee was concentrating on quality assessments of academic processes.

Institutional Values and Best Practices

ISB&M School of Technology is located nearby Nande Village. It has lush green campus and maintained pollution free ambience. Institute has taken several initiatives to promote and implement gender equality effectively. Institute organized awareness workshop, guest lectures and self defense training for staffs, students and nearby villagers. Institution gives highest priority to safety and security of stakeholders. There are counseling rooms and common room for both male and female. Institutes manage waste systematically without affecting environment. Facilities for physically handicap persons like ramps, toilets, scribes are provided in the institution. Several initiatives have been taken up based on location advantage and disadvantages. Code of conduct for staff and students is made available online on the college portal. Events for promoting truth, love, nonviolence and peace are organized. Institution observes the birth and death anniversaries of great personalities. Institution maintains complete transparency in financial, academic and administrative functions. Many green practices to reduce pollution are adopted. Paperless Campus initiative has been undertaken to minimize the waste. Institute has taken several initiatives for the upliftment of nearby villages. Institute adopted six villages and one Zilha Parishad School in Nande. We promote students to work on live project, internship and Entrepreneurship.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

| Name and Address of the College | |
|---------------------------------|---|
| Name | ISBM SCHOOL OF TECHNOLOGY |
| Address | S. No. 44/1/2, nande village, near Susgaon, Pashan-Sus Road, taluka Mulshi, Pune 412115 |
| City | Pune |
| State | Maharashtra |
| Pin | 412115 |
| Website | www.isbmsot.org |

| Contacts for Communication | | | | | |
|----------------------------|------------------|-------------------------|------------|--------------|----------------------|
| Designation | Name | Telephone with STD Code | Mobile | Fax | Email |
| IQAC Coordinator | Chanakya Jha | 020-66754615 | 7720032237 | 020-66754655 | erchankya@gmail.com |
| Principal | P. K. Srivastava | 020-66754618 | 9168895040 | 020-66754630 | isbm.engg@isbm.ac.in |

| Status of the Institution | |
|---------------------------|----------------------------|
| Institution Status | Self Financing and Private |

| Type of Institution | |
|---------------------|--------------|
| By Gender | Co-education |
| By Shift | Regular |

| Recognized Minority institution | |
|--|---|
| If it is a recognized minority institution | Yes Minority Certificate.pdf |
| If Yes, Specify minority status | |
| Religious | |
| Linguistic | Yes |
| Any Other | |

| Establishment Details | | | | |
|--|--|---------------------------------------|---------------------------|------------------------------------|
| Date of establishment of the college | 01-01-2010 | | | |
| University to which the college is affiliated/ or which governs the college (if it is a constituent college) | | | | |
| State | University name | Document | | |
| Maharashtra | Savitribai Phule Pune University | View Document | | |
| Details of UGC recognition | | | | |
| Under Section | Date | View Document | | |
| 2f of UGC | | | | |
| 12B of UGC | | | | |
| Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC) | | | | |
| Statutory Regulatory Authority | Recognition/Approval details Institution/Department programme | Day,Month and year(dd-mm-yyyy) | Validity in months | Remarks |
| AICTE | View Document | 10-04-2018 | 12 | Approved for current academic year |

| Details of autonomy | |
|--|----|
| Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges? | No |

| Recognitions | |
|---|----|
| Is the College recognized by UGC as a College with Potential for Excellence(CPE)? | No |
| Is the College recognized for its performance by any other governmental agency? | No |

| Location and Area of Campus | | | | |
|------------------------------------|---|------------------|-----------------------------|---------------------------------|
| Campus Type | Address | Location* | Campus Area in Acres | Built up Area in sq.mts. |
| Main campus area | S. No. 44/1/2, nande village, near Susgaon, Pashan-Sus Road, taluka Mulshi, Pune 412115 | Rural | 7.5 | 20927 |

2.2 ACADEMIC INFORMATION

| Details of Programmes Offered by the College (Give Data for Current Academic year) | | | | | | |
|---|--|---------------------------|----------------------------|------------------------------|----------------------------|--------------------------------|
| Programme Level | Name of Programme/Course | Duration in Months | Entry Qualification | Medium of Instruction | Sanctioned Strength | No.of Students Admitted |
| UG | BE,Computer Engineering | 48 | HSC OR DIPLOMA OR BSc | English | 60 | 60 |
| UG | BE,Mechanical Engineering | 48 | HSC OR DIPLOMA OR BSc | English | 120 | 113 |
| UG | BE,Electronics And Telecommunication Engineering | 48 | HSC OR DIPLOMA OR BSc | English | 60 | 25 |

Position Details of Faculty & Staff in the College

| Teaching Faculty | | | | | | | | | | | | |
|---|------------------|--------|--------|-------|----------------------------|--------|--------|-------|----------------------------|--------|--------|-------|
| | Professor | | | | Associate Professor | | | | Assistant Professor | | | |
| | Male | Female | Others | Total | Male | Female | Others | Total | Male | Female | Others | Total |
| Sanctioned by the UGC /University State Government | 4 | | | | 8 | | | | 36 | | | |
| Recruited | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 12 | 4 | 0 | 16 |
| Yet to Recruit | 3 | | | | 8 | | | | 20 | | | |
| Sanctioned by the Management/Society or Other Authorized Bodies | 3 | | | | 8 | | | | 20 | | | |
| Recruited | 3 | 0 | 0 | 3 | 5 | 3 | 0 | 8 | 17 | 3 | 0 | 20 |
| Yet to Recruit | 0 | | | | 0 | | | | 0 | | | |

| Non-Teaching Staff | | | | |
|---|-------------|---------------|---------------|--------------|
| | Male | Female | Others | Total |
| Sanctioned by the UGC /University State Government | | | | 25 |
| Recruited | 1 | 0 | 0 | 1 |
| Yet to Recruit | | | | 24 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 18 |
| Recruited | 12 | 6 | 0 | 18 |
| Yet to Recruit | | | | 0 |

| Technical Staff | | | | |
|---|-------------|---------------|---------------|--------------|
| | Male | Female | Others | Total |
| Sanctioned by the UGC /University State Government | | | | 0 |
| Recruited | 0 | 0 | 0 | 0 |
| Yet to Recruit | | | | 0 |
| Sanctioned by the Management/Society or Other Authorized Bodies | | | | 0 |
| Recruited | 4 | 3 | 0 | 7 |
| Yet to Recruit | | | | 0 |

Qualification Details of the Teaching Staff

| Permanent Teachers | | | | | | | | | | |
|------------------------------|------------------|---------------|---------------|----------------------------|---------------|---------------|----------------------------|---------------|---------------|--------------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| D.sc/D.Litt. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 3 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 7 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 1 | 0 | 0 | 3 | 1 | 0 | 29 | 7 | 0 | 41 |

| Temporary Teachers | | | | | | | | | | |
|-----------------------|-----------|--------|--------|---------------------|--------|--------|---------------------|--------|--------|-------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| D.sc/D.Litt. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Part Time Teachers | | | | | | | | | | |
|-----------------------|-----------|--------|--------|---------------------|--------|--------|---------------------|--------|--------|-------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| D.sc/D.Litt. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Details of Visting/Guest Faculties | | | | | |
|--|------|---|--------|---|-------|
| Number of Visiting/Guest Faculty engaged with the college? | Male | | Female | | Total |
| | | | | | |
| | 0 | 0 | 0 | 0 | 0 |

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

| Programme | | From the State Where College is Located | From Other States of India | NRI Students | Foreign Students | Total |
|-----------|--------|---|----------------------------|--------------|------------------|-------|
| | | UG | Male | 324 | 29 | 0 |
| | Female | 56 | 5 | 0 | 0 | 61 |
| | Others | 0 | 0 | 0 | 0 | 0 |

Provide the Following Details of Students admitted to the College During the last four Academic Years

| Programme | | Year 1 | Year 2 | Year 3 | Year 4 |
|-----------|--------|--------|--------|--------|--------|
| SC | Male | 6 | 8 | 9 | 3 |
| | Female | 1 | 4 | 0 | 1 |
| | Others | 0 | 0 | 0 | 0 |
| ST | Male | 0 | 1 | 0 | 0 |
| | Female | 0 | 0 | 0 | 0 |
| | Others | 0 | 0 | 0 | 0 |
| OBC | Male | 17 | 26 | 16 | 30 |
| | Female | 1 | 2 | 1 | 1 |
| | Others | 0 | 0 | 0 | 0 |
| General | Male | 86 | 120 | 102 | 79 |
| | Female | 17 | 26 | 3 | 0 |
| | Others | 0 | 0 | 0 | 0 |
| Others | Male | 9 | 11 | 5 | 12 |
| | Female | 1 | 1 | 0 | 0 |
| | Others | 0 | 0 | 0 | 0 |
| Total | | 138 | 199 | 136 | 126 |

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 296

| File Description | Document |
|---|-------------------------------|
| Institutional Data in Prescribed Format | View Document |

Number of programs offered year-wise for last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 04 | 04 | 05 | 05 | 05 |

3.2 Students

Number of students year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 409 | 422 | 585 | 504 | 499 |

| File Description | Document |
|---|-------------------------------|
| Institutional Data in Prescribed Format | View Document |

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 280 | 276 | 353 | 353 | 323 |

| File Description | Document |
|---|-------------------------------|
| Institutional Data in Prescribed Format | View Document |

Number of outgoing / final year students year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 75 | 135 | 164 | 98 | 70 |

| File Description | Document |
|---|-------------------------------|
| Institutional Data in Prescribed Format | View Document |

3.3 Teachers

Number of full time teachers year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 55 | 66 | 62 | 51 | 60 |

| File Description | Document |
|---|-------------------------------|
| Institutional Data in Prescribed Format | View Document |

Number of sanctioned posts year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 76 | 75 | 96 | 96 | 88 |

| File Description | Document |
|---|-------------------------------|
| Institutional Data in Prescribed Format | View Document |

3.4 Institution

Total number of classrooms and seminar halls

Response: 20

Number of computers

Response: 300

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|----------|-----------|
| 530.693 | 414.561 | 275.432 | 212.9825 | 286.93711 |

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

ISB&M School of Technology is an institute affiliated to Savitribai Phule Pune University (SPPU). The institute follows the curriculum designed by respective Board of Studies (BoS) in consultation with various stakeholders. The Course Education Objectives (CEOs) and Course Outcomes (COs) are prepared by faculties/BoS of concerned department for effective delivery of course.

- 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 and uploaded on ERP.
- 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.
- Course files are maintained by respective faculty members, which contain all the information necessary for the implementation of the curriculum.
- 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. Remedial classes are conducted for students having poor performance.
- For a group of around 20 students, a faculty member is allocated as Guardian Faculty Member (GFM). GFM conducts weekly meetings, counsels students and provides guidance for poor performers. 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.
- The institute has ICT based feedback management system, where stakeholders interact for the enrichment of teaching-learning process and overall development of students.
- Internal Quality Assurance Cell (IQAC) through its audit takes care for fulfilling quality

requirement. It provides feedback to AMC and department for ensuring quality education.

- IQAC conducts academic audit thrice in each semester, ensuring achievement of academic outcomes.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 33

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 9 | 7 | 6 | 7 | 4 |

| File Description | Document |
|---|-------------------------------|
| Details of the certificate/Diploma programs | View Document |
| Any additional information | View Document |

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 438.78

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 48 | 55 | 50 | 48 | 57 |

| File Description | Document |
|--|-------------------------------|
| Details of participation of teachers in various bodies | View Document |
| Any additional information | View Document |

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 66.55

1.2.1.1 How many new courses are introduced within the last five years

Response: 197

| File Description | Document |
|--|-------------------------------|
| Minutes of relevant Academic Council/BOS meetings. | View Document |
| Details of the new courses introduced | View Document |
| Any additional information | View Document |

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 75

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 3

| File Description | Document |
|--|-------------------------------|
| Name of the programs in which CBCS is implemented | View Document |
| Minutes of relevant Academic Council/BOS meetings. | View Document |
| Any additional information | View Document |

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 30.98

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

| | | | | |
|---------|---------|---------|---------|---------|
| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
| 133 | 139 | 156 | 188 | 127 |

| File Description | Document |
|---|-------------------------------|
| Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs | View Document |

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

Gender Issues:

- Institute follows admission rules of DTE for reservation of male and female students.
- The institute has established a Women's Grievance Cell to sensitize the students and employees on gender issues, make them aware of the social, moral, and legal implication of gender discrimination. The cell is committed to create and maintain an environment, free of gender violence and gender discrimination, in which students, teachers and non-teaching staff can work together.
- Awareness is created through various seminars/workshop/counselling.
- Institute organizes health checkup camps for lady Faculty members and girl students.

Environment and Sustainability (E&S):

- As a conscious effort and contribution towards environment awareness and Green infrastructure, institute encourages students to adopt Go Green methods viz. maintaining, submitting and presenting records electronically instead of printouts.
- Sustainability is achieved by reducing e-waste, implementing green technologies, adopting energy efficient and effective technologies. The curriculum supports all the mentioned techniques.
- Final year students are encouraged to take projects which address environmental issues.
- To maintain ecology and ecosystem, it is necessary to understand impact of human behavior and technological advancement that exists in various courses such as:
 - Basic Civil and Environmental Engineering
 - Energy Audit and Management
 - Green Chemistry and Technology etc.
- Environmental impact assessment and management regarding development of nation is initialized through courses such as Power Plant Engineering
- The institute takes additional efforts for making students sensitive towards environmental issues, through Tree Plantation Programs, Gram Swachata Abhiyan under National Social Service (NSS).

Human Values:

- The institute takes additional efforts through NSS for making students sensitive towards Human values. NSS organizes Blood Donation Camps and teaching rural children.

| | |
|---------------------------------|-------------------------------|
| File Description | Document |
| Any Additional Information | View Document |
| Link for Additional Information | View Document |

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years**Response:** 49

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 49

| | |
|---|-------------------------------|
| File Description | Document |
| Details of the value-added courses imparting transferable and life skills | View Document |
| Brochure or any other document relating to value added courses. | View Document |

1.3.3 Percentage of students undertaking field projects / internships**Response:** 25.92

1.3.3.1 Number of students undertaking field projects or internships

Response: 106

| | |
|---|-------------------------------|
| File Description | Document |
| Institutional data in prescribed format | View Document |

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

| File Description | Document |
|-------------------------------------|-------------------------------|
| URL for stakeholder feedback report | View Document |

1.4.2 Feedback processes of the institution may be classified as follows:

A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

| File Description | Document |
|-------------------------|-------------------------------|
| URL for feedback report | View Document |

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 7.49

2.1.1.1 Number of students from other states and countries year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 31 | 32 | 43 | 37 | 38 |

File Description

Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 51.47

2.1.2.1 Number of students admitted year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 138 | 199 | 136 | 126 | 139 |

2.1.2.2 Number of sanctioned seats year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 240 | 225 | 360 | 360 | 360 |

File Description

Document

Institutional data in prescribed format

[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per

applicable reservation policy during the last five years**Response:** 46.76

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 101 | 112 | 192 | 165 | 181 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

2.2 Catering to Student Diversity**2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners****Response:**

ISB&M School of Technology analyze HSC and Diploma marks of newly admitted students to identify the slow and advanced learners. Guardian Faculty Member (GFM) analyzes the students for identifying their learning level through a pre-defined format approved by Academic Monitoring Committee (AMC).

Properly designed course material is made available on web to all students which also addresses the need of average learners. After identification of the slow and advanced learners, an action for improvement is initiated.

For advanced learners, following is the process to enhance performance of the students.

- Students are made to avail the Innovation center facility, where they can implement their innovative ideas and have knowledgeable sessions on recent technologies used in industry.
- Promoting students for Sponsored Industrial projects and internship.
- Promoting students for appearing examinations such as GATE, GRE, TOFEL, GMAT, CAT for higher education.
- Encourage the students for competitive examinations such as SSC, UPSC (Engineering services and civil services), MPSC.
- Providing extended facilities to register a patent or product design.
- Promoting interdisciplinary projects at BE level.
- Institute promote advance learners by organizing and motivating students to participate in technical events held at national and international level.

- Content beyond syllabus on advanced topics are provided to the students for self learning.
- ISB&M SOT promotes the research activities for students and faculty members by providing the required equipments and facilities in the institute.
- Industrial visit, guest lectures, add-on courses, IPR sessions are organized for overall development of the students.
- Student chapters are formed to promote the students technical and interpersonal skill development.
- Students are motivated to publish their research work in reputed journals and conferences.

For Slow learners following are the process to enhancement of the student.

- Personal counseling on academics by subject teacher and counseling by GFM on other stress related issues.
- Pre-requisite content is covered before starting the topic.
- Remedial classes for the slow learner.
- Easy assignments on each topic followed by orals are conducted.
- Provide question bank to the students to get extra practice.
- The facilities of department library, NPTEL videos, Google class room on various topics are available.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

2.2.2 Student - Full time teacher ratio

Response: 7.44

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Experiential Learning:

- Faculty members prepare the teaching plan & practical plan well in advance. It reflects teaching methodology, learning material and assessment tools and student's activity.
- Institute has adopted variety of teaching methodologies such as four board method, model making and problem solving, participative learning and experiential learning for enhancing the learning experiences .
- Soft copies of notes, question papers, question bank, assignments, multiple choice questions, list of videos with links,time tables, result analysis are availed to students through ERP software.
- NPTEL courses are run for students to aquire the skills and to get certified.
- To promote the research scenario amongst students, 275 online journals viz, SCIENCE DIRECT, SHODHGANGA, 16 journals, 9 Magazines and 50 e-books are made available in the library.
- To bridge the gap between academia, industry and HEI of excellence, the institution arranges industrial visits regularly. Under this, Visits to Doordarshan's High power transmission station, Thermal Power station, D'tap automation pune, Recon technology, Mahindra generators Hydrabad, Cisco Pune, DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY, Science Park are arranged.
- Institute has fully equipped laboratories and workshop, well established Research and Innovation Cell.

Participative Learning:

- Technical workshop such as workshop on Design of DRONE with the collaboration of IIT Bombay are arranged.
- Students are encouraged to attend workshops in other institutes.
- In-house certificate courses such as IOT are offered to get updates on recent technologies.
- Final year students are guided & encouraged to get the internships and sponsored industrial projects.
- Project competition and technical events viz. Brain hunt, PCB Design, workshop on Android are organized by the institute to have experiential learning approach.
- Students are encouraged to participate in national level competitions such as GO-CART, HACKATHON, CRESENDO, MINERVA, ORION & KURUKSHETRA, FORZA etc.
- Institute collaborates with different industries by signing MOUs viz. MOU with MONSTER, CARLS ZEISS INDIA PVT.LTD,GTT, IME, WISDOM SPROUTS, DESIGN TECH, TVAMEVAHAM, DITAP-V, INDEYES, PROLIFIC, AGNIFIER, JSR LAB.
- Institute encourages the students for taking higher education in foreign universities like Dublin Buissness School Ireland, Lamar University Texas, Illinois University Chicago, USA.
- Institute arranges seminars for the students career counseling viz, BARCLAYS YOUTH EMPLOYIBILITY INITIATIVE, Bridge course for GRE.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

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

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 55

| File Description | Document |
|--|-------------------------------|
| List of teachers (using ICT for teaching) | View Document |
| Any additional information | View Document |
| Provide link for webpage describing the " LMS/ Academic management system" | View Document |

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 18.59

2.3.3.1 Number of mentors

Response: 22

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

2.3.4 Innovation and creativity in teaching-learning

Response:

2.3.4 Innovation and creativity in teaching-learning:

To make students creative and innovative and to enhance learning experience, experiential learning, participative learning and problem solving methodologies are used.

In addition to conventional classroom teaching, institute has adopted modern teaching-learning methodologies like ICT classrooms, project based learning, e-learning resources like NPTEL lectures, video lectures, animated videos.

Innovative Thinking:

- Institute gives an exposure to modern tools and technologies through industrial visits, seminars, workshops and certificate courses for students.
- Institute has Innovation Cell which provides environment for students to think on current technical and social problems. Such innovative and creative environment helps students for getting induced with qualities like leadership, interpersonal skill, presentation skills and team spirit. More emphasis is given on learning through experiments, competitions and industry expert interactions.

Creativity and Scientific Temper:

- Lab based on the theme of "I Idea-My Idea" has been established in the Institute to encourage "out-of-box" thinking and Scientific temperament amongst students.
- Students with more prominent "I Idea-My Idea" are encouraged to copyright or file patents.
- Students are encouraged to select projects addressing social, environmental and real time problems.
- Students are promoted for self-learning through Web-based learning, Multi-media, Classroom presentations and Technical Symposiums.
- Learning through PPT/ Animations to understand complex problems. Generation of facilities and availability of materials for self learning beyond syllabus are provided through Digital Library / e-books.
- Advance learning through high end softwares, Value added programs, encouraging faculties to participate in QIP/ STTP/ implementation workshop is ensured.
- Students are encouraged to participate in various technical events.
- Students are encouraged to present and publish research papers in conferences and journals.
- Students participate in International conference organized by institute to nurture scientific temper among them.
- Students are stimulated to develop models and apps on recent technologies.
- Faculty members are also engaged with research work in association with potential students by sharing their innovative concepts.
- Professional body chapters like ACM, IEEE, and ASHRAE are formed at college level to initiate scientific temper among students.
- Self-analysis through SWOC is carried out at departmental and institute level. Varied inputs are given to students according to the SWOC analysis.

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

2.4 Teacher Profile and Quality

| 2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years | |
|---|-------------------------------|
| Response: 69.25 | |
| File Description | Document |
| Year wise full time teachers and sanctioned posts for 5 years | View Document |
| List of the faculty members authenticated by the Head of HEI | View Document |

| | |
|---|--|
| 2.4.2 Average percentage of full time teachers with Ph.D. during the last five years | |
| Response: 5.13 | |

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 03 | 02 | 02 | 02 | 06 |

| File Description | Document |
|--|-------------------------------|
| List of number of full time teachers with PhD and number of full time teachers for 5 years | View Document |
| Any additional information | View Document |

2.4.3 Teaching experience per full time teacher in number of years

Response: 13.35

2.4.3.1 Total experience of full-time teachers

Response: 734

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 28.91

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 15 | 0 | 0 | 2 | 0 |

| File Description | Document |
|--|-------------------------------|
| Institutional data in prescribed format | View Document |
| e-copies of award letters (scanned or soft copy) | View Document |

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the

last five years

Response: 14.5

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 13 | 09 | 10 | 12 | 18 |

| File Description | Document |
|---|-------------------------------|
| List of full time teachers from other state and state from which qualifying degree was obtained | View Document |
| Any additional information | View Document |

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

- As an affiliated institute, ISB&M School of Technology implements the continuous internal evaluation process as per guidelines laid by AMC. Term work marks are awarded through internal evaluation for courses across all programs.
- Continuous Internal Evaluation system has gradually evolved into a student centric system. The process of continuous evaluation is employed through various tools like attendance in theory and laboratory sessions, online multiple choice questions, unit tests, mock oral and practical examinations, assignments, participation in various activities and performance in laboratory sessions. It helps in direct assessment of students.
- Implementing participative programs in class room such as Debate, Group discussion, Technical Quiz etc. helps in indirect assessment of students.
- Institute conducts online tests for students through ERP, that helps faculty members to ascertain speedy assessment. As an outcome, students get results immediately and are enabled to analyse their strengths and weaknesses.
- Under some termwork heads like Seminar, Mini / Major Projects seminar are arranged for students to evaluate their communication and presentation skills.
- Student are made to follow the guidelines laid by their Supervisors/guides for finalisation of project title on the basis of following methodologies such as literature review, understanding and presentation.
- Institute has formed a Project review committee which devices the strategy for accomplishment of the project work. Where the depth of knowledge is judged by asking questions and regular interactions with guide. This helps them to acquire knowledge of the recent technological developments. Timely submission of report carries a great significance.
- Institution encourages students to carry out industry-sponsored projects to make them work on the

real time & application oriented problems. Evaluation of project for final year students is carried out in various stages by the project guide, project coordinator, Head of the department and industry experts.

- The factors considered for evaluation of project are synopsis, stage reviews, understanding of project topic, Paper publications, design or synthesis, mathematical or analytical modelling, experimental results and project report.
- Institute has taken steps for reformation in CIE time to time. The changes in the evaluation are communicated to students & stakeholders and care is taken to meet the criterion properly. Evaluation of the practical assignments is carried out time to time as prescribed in the guidelines given in syllabus of the course.
- The institute disseminates the evaluation process to all its stakeholders through different ways.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

Transparent Mechanism of Internal Assessment:-

1. Assessment of laboratory performance by one to one discussion between faculty member and student for reviews.
2. After conduction of online unit tests, results are displayed immediately for further improvement of students.
3. Assessment of activities like seminars, mini-projects, projects along with third party review brings transparency in the process.
4. Declaration of results prior to and after moderation brings in transparency.
5. Immediate declaration of assessment along with specific remark provided to the students gives the justification of assessment and highlights the transparency.
6. Unit test model answer papers are discussed with students for giving them an idea of writing skills.
7. Marking scheme is discussed with students to brings transparency in the process.
8. Monthly attendance record is displayed on the notice board for making the students aware of the reflection of their attendance in internal evaluation.
9. The Students having less attendance are counselled by respective GFM.

10. For analyzing the technical depth of knowledge Mock orals are conducted by respective subject teacher.

11. Participation and overall behavior of the students taken into account in internal assessment.

12. The assessment policies are verified by AMC and declared to the students in advance.

The robustness of mechanism reflects in the form of consistently good final year results.

The robustness of the mechanism is observed in following ways:

1. Expected level of the outcome is specified and is briefed to the assessor which helps the assessor to set the assignment accordingly.

2. Declaration of assessment method by providing assessment scheme and complete solutions of the assignments to the students after conduction of assessment.

3. The declared scheme helps the assessor to assess the students in expected domain thereby ensuring the outcome under the situation that the assignment is assessed either by one or the other faculty.

The frequency of assessment is decided as follows:

| Assessment | Unit Test | Mock oral | Practical | Assignment | Online test | Seminar |
|------------|---------------------|--------------------|----------------|-----------------|---------------------|--------------------|
| Frequency | Twice in a semester | Once in a semester | Once in a week | Once in a month | Twice in a semester | once in a semester |

| | |
|---------------------------------|-------------------------------|
| File Description | Document |
| Any additional information | View Document |
| Link for Additional Information | View Document |

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

University Level:

- 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.

Institute level:

- 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.

Mechanism

Grievance Redressal at University level:

- Examination section headed by CEO at institute level takes care of University evaluation grievances. CEO forwards the grievances to the University, if required.
- The University has its own mechanism for settlement of various types of grievances related to evaluation.
- In case of any discrepancy in University result sheet, Institute verifies the details in records available and guides the student with probable solutions at Institute level or refers him to the university with required documents.
- Issues related with mistakes in filling examination forms, conduction of online examination & in-semester examination, Institute refers the case to University through proper channel and helps the student in resolving the same.
- In case of any problem at end-semester examination assessment, University has made provision of applying for photocopy of evaluated answer sheets. This gives an opportunity to students to get their answer sheets rechecked & re-evaluated if found incorrect.

At Institute Level:

- Faculty members do continuous evaluation of students on the basis of theory lectures, labs, assignments, preliminary exam results.
- The term work marks are allotted based on defined strategies and displayed on notice board.
- Marks obtained as per term work assessment sheet are shown to students.
- Solutions with marking scheme for internal tests are discussed in class room and answer sheets of unit tests are distributed to students.
- In case of any query, it is discussed with faculty and HOD if required.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

1. Academic plan

Academic schedule commences as per the schedule provided by SPPU. Teaching and Learning activities in the institute are planned and monitored by Academic Monitoring Committee (AMC) with the consent of Principal, Dean Academics and Head of Department (HOD).

The Academic Monitoring Committee plans and executes the teaching learning evaluation schedules as attached.

Institute has well established process for planning and implementation of the academic activities throughout the semester. While preparing the academic calendar, SPPU calendar is taken into consideration for start of semester, holidays, online examination, in-semester examination, practical, oral and theory examination schedule, and conclusion of semester.

Academic monitoring committee (AMC) starts working on the academic calendar before the commencement of the semester. AMC members along with HODs and Dean (Academics) decide the academic activities like Load Distribution, Pre-semester audit, Syllabus Coverage reports, Project evaluations, PAC Activities, FE-Commencement /Induction Program, Industrial Visits, Department- Level TECH-EVENTs such as Paper Presentation, Project Exhibition, various competitions like Poster Making, Gaming, NSS Activities, NPTEL Courses, Add-on Courses, Certification Courses, IPR Sessions, Parent meets and Feedbacks, co-curricular activities, extracurricular activities, certification courses to be conducted are planned.

The count of events and their frequency is decided and accordingly inserted into the academic calendar. Once the academic calendar is approved by AMC and Principal, it is circulated to the all faculty members, notice boards and uploaded on website.

In accordance with the institute academic calendar, departmental calendar is prepared. Departmental academic calendar contains all department level technical events, guest lectures, industrial visit etc. All planned activities are executed by different coordinators and monitored by head of the departments. All activities and event conduction and their outcomes are communicated to the Principal by HODs.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

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 on website and communicated to teachers and students

Response:

Vision and Mission statements are stated and disseminated at various places like notice boards, websites, entrance of the institute, corridors, library, laboratories and class-rooms.

Course Objectives are defined by the syllabus promulgated by SPPU. Syllabus defined by SPPU gives scheme for weekly theory lectures, practicals, tutorials and guidelines for evaluation.

Course outcomes are finalised by respective course teachers. Once the COs are finalized, the same is communicated to students and disseminated on website. Every faculty member communicates all COs to students at the time of his/her first lecture and then starts the actual teaching. COs are made the integral part of course file for the purpose of mapping them with POs.

Program outcomes and program specific outcomes of the department are derived from POs and PEOs provided by APEX bodies. Program Outcomes are stated and displayed on the notice boards, website and conveyed to students. Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are defined by department. Cos, Pos, PSOs and PEOs are displayed on college notice boards, departmental notice boards, website, corridors, course files, student notebook etc.

PEOs, PSOs and Cos are displayed in following areas such as.

1. Website.
2. Laboratory.
3. Classrooms.
4. Departmental entrance.
5. Prominent places in the department such as Head of the department's office classrooms.
6. Departmental wall magazine.
7. Laboratory manuals.
8. Course file of faculty members.
9. Project diary.
10. Seminar Hall.
11. ERP front page.

| File Description | Document |
|---|-------------------------------|
| COs for all courses (exemplars from Glossary) | View Document |
| Any additional information | View Document |
| Link for Additional Information | View Document |

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

Outcome based education demands assessment of learning outcomes. At the end of each course, the COs need to be assessed and evaluated to check whether it has been attained or not. A method to evaluate the attainment of the COs has been developed. Mapping of the COs with POs and PSOs is carried out for respective courses. COs are mapped with POs with the rating of 'low', 'moderate' and 'high' as per the level of attainment of POs. The attainment of COs directly reflects into the attainment of POs.

Selection of various assessment methods for each course is defined on the basis of examination pattern prescribed by the University. Attainment of COs is carried out by individual faculty members through internal and external assessment methods.

The Institution regularly monitors the attainment of COs through various direct and indirect assessment tools which includes, end-semester exams, oral / practical exams, in-semester exams, online exams, unit tests, mock online exams, assignments, presentations, quiz etc. Percentage attainment sheet for each course is prepared. Contribution of Tools to attain particular CO is defined percentage wise.

Maximum marks attained by a student in a particular course is taken as target for achieving that particular CO. The level of attainment of COs is evaluated on three levels.

The levels of attainment are defined as cited below:

Level 1: 40% of students scoring more than target.

Level 2: 50% of students scoring more than target.

Level 3: 60% of students scoring more than target.

Percentage attainment of each PO and PSO is calculated by multiplying their mapping levels with percentage attainment of respective CO.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

2.6.3 Average pass percentage of Students

Response: 84.27

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 75

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 89

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 2.34

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 0.12 | 2.22 | 0 | 0 | 0 |

File Description

Document

List of project and grant details

[View Document](#)

e-copies of the grant award letters for research projects sponsored by non-government

[View Document](#)

3.1.2 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0

3.1.2.1 Number of research projects funded by government and non-government agencies during the last five years

3.1.2.2 Number of full time teachers worked in the institution during the last 5 years

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

Institution has an Entrepreneurship Development Cell (EDC), Placement Assistance Cell (PAC) that encourage forging a relationship between the industry and the institute as well as Individual department. It interacts with industries to ascertain its needs to provide the academic support by arranging different activities addressed by industry personals.

Industry institute interaction works in the following ways:

- Industrial visits for students and faculty members.
- Field and site visits of students.
- Consultancy and sponsored projects.
- Faculty members regularly interact with the industry to understand functional challenges through applied research or student projects.
- Expert lectures by industry personals for students.
- Conducting joint technical programs & events with industry.

| File Description | Document |
|---------------------------------|-------------------------------|
| Link for Additional Information | View Document |

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 12

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 03 | 04 | 01 | 02 | 02 |

| File Description | Document |
|--|-------------------------------|
| Report of the event | View Document |
| List of workshops/seminars during the last 5 years | View Document |

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

3.3.2 The institution provides incentives to teachers who receive state, national and international

recognition/awards**Response:** Yes**3.3.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years****Response:** 0.54**3.3.3.1 Number of research papers in the Journals notified on UGC website during the last five years**

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 38 | 31 | 39 | 21 | 31 |

File Description

List of research papers by title, author, department, name and year of publication

Document[View Document](#)**3.3.4 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years****Response:** 0.6**3.3.4.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years**

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 11 | 05 | 05 | 10 | 04 |

File Description

List books and chapters in edited volumes / books published

Document[View Document](#)**3.4 Extension Activities****3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years****Response:**

ISB&M School of Technology has approved NSS unit of SP Pune University, which takes the responsibility of community based activities. NSS unit organizes different programs related to social issues such as Tree Plantation, Swacch Bharat, Cleanliness drive, Blood Donation Camp, Visit to Orphanages, Matdan Jagrati Abhiyan in the nearby villages. Organizing such events creates awareness about the social responsibility.

Institutes organizes awareness programs on gender equality, environmental awareness, cleanliness, tree plantation in college campus. NSS unit has organized guest talks on topics like gender issues, women's security on different occasions.

For holistic development of the students- Visits, sports, camps, cultural and different events are organized.

- For holistic development of students ,they are made to visit the neighbourhood where they will come across techno-societal issues.
- Mentoring and Counseling also contains motivational sessions by social workers.
- To ensure social awareness NSS has adopted "Andgaon Village" where annual residential camp is organized.
- Sport events are organized for youth in neighbourhood.

An event calendar is prepared with an aim to extend services in the neighborhood community and sensitize students towards social issues and holistic development. These include Joining hands with Local Governance. Celebration of birth anniversaries of National heroes, Blood donation camps, environmental conservation awareness programs are conducted, as shown in the table below.

Institute follows a mechanism for student's involvement in various social activities which promotes the roles and responsibilities of good citizen. Institute receives an activity calendar from SPPU University for yearly activities on NSS platform. Students are enrolled to NSS unit through Guardian Faculty Member (GFM) and departmental faculty representatives.

The spirit of voluntary work through sustained community interaction and link between campus and community is enthralled amongst students, which reflects in their holistic development through community service. Students and staff volunteers have contributed in the field of mass literacy, environment preservation, health education, disaster management, food for the homeless, communal and social harmony in past years.

Various activities that have contributed towards patriotism, national services are briefed below with their impact:

| Sr. No. | Activity | Impact on Students |
|---------|---|--|
| 1. | Water conservation and Plastic Kachara Mukta Abhiyaan, Tree plantation. | Social development: Students are made aware of their responsibilities towards social issues and they are made to participate in community service. |
| 2. | Yoga Day Celebration | Physical Development: Students are made aware of the benefits of YOGA and exercise sessions by the experts. |
| 3. | Blood Donation Camp | Emotional Development: Ethical values are instilled in students. |

| | | |
|----|---|--|
| | | various donation camps help students emotionally involved in social issues. |
| 4. | Independence Day and Republic Day Celebration | Moral Development: Qualities like righteousness are imbibed in students. |
| 5. | National Youth Day | Spiritual Development: Various sessions work and philosophy of Swami organised. His work motivates all members for striving for better life. |

| File Description | Document |
|---------------------------------|-------------------------------|
| Link for Additional Information | View Document |

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 10

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 07 | 2 | 1 | 0 | 0 |

| File Description | Document |
|---|-------------------------------|
| Number of awards for extension activities in last 5 years | View Document |
| e-copy of the award letters | View Document |

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 31

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 13 | 9 | 5 | 2 | 2 |

| File Description | Document |
|---|-------------------------------|
| Reports of the event organized | View Document |
| Number of extension and outreach programs conducted with industry,community etc for the last five years | View Document |

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 32.8

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 361 | 175 | 114 | 36 | 38 |

| File Description | Document |
|---|-------------------------------|
| Report of the event | View Document |
| Average percentage of students participating in extension activities with Govt. or NGO etc. | View Document |

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 68

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 26 | 18 | 12 | 05 | 07 |

| File Description | Document |
|---|-------------------------------|
| Number of Collaborative activities for research, faculty etc. | View Document |
| Copies of collaboration | View Document |
| Any additional information | View Document |

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 23

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 14 | 03 | 06 | 0 | 0 |

| File Description | Document |
|---|-------------------------------|
| e-copies of the MoUs with institution/ industry/ corporate house | View Document |
| Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years | View Document |
| Any additional information | View Document |

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

Efficiency and effectiveness of the teaching-learning process is always augmented by the infrastructure. Institute has taken care to make the infrastructure available as per the norms of AICTE and fulfilling the requirement of SP Pune University,Pune

- The institute has well defined policy for creation and enhancement of the infrastructural facilities which are ahead of needs. The structure and built-up of the classroom provide opportunity to the faculty and the students to carry out the activities like Presentations, Demonstrations, Group discussions, video lectures and other interactive tools.
- Fully equipped laboratories are available to the faculty and students. The spare capacity and facilities of the laboratories are utilized by the students and faculty members to accomplish extra Lab practice, Skill development and Innovative work of their choice.
- In order to gain the confidence and to validate the process designed for theory and practical classes as well as innovative activities, it is required to have the fabrication of the corresponding items. This need is fulfilled by providing the facility of workshop.
- The IT infrastructure is provided in all the departments exclusively. The ratio of computers to student is 1:2.
- The computer centre is available for students.
- Institute has adequate number of laboratories with 300 computers with UPS power backup.
- Institute has developed the library into two domains: the traditional library hosting printed books, reading hall, reference section. The second modern part of the library is developed by employing the digital content which provides easy access to the user for e-resources. It is to be noted that all the e-resources can be accessed from any point, at any time in the campus.
- The College Library is fully automated and uses 'Autolib' online integrated library Management software. Library is well equipped with computers, Scanner, Barcode Scanners, laser Printers, Power backup, CCTV Cameras.
- We have well designed and fully equipped seminar halls to interact with a large crowd or to deliver expert lectures.
- Auditorium: ISB&M has a fully air conditioned auditorium with the capacity of accommodating more than 700 students, fully acoustic and with state of the art audio & video facilities.
- The college also maintains parking facility, CCTV cameras, UPS and generators.
- The college has Canteen and three Food Courts in campus to serve food & snacks to students & faculty members at subsidied cost.
- There are adequate facilities for sports, indoor and outdoor games, gymnasium, and cultural activities.
- We have four storey ladies and Boys Hostel building with Built up area 3966 Sq.m. comprising 48 rooms and 144 capacities and 3917 sq.m.47 room with 141 students capacity respectively. Hostel is equipped with Power backup, Aquapure water supply, Solar heater system and all the basic requirements that are needed in hostel.

Infrastructure Facilities for Physically Disabilities Students:

- Toilets for Physically Handicapped people.
- Lift is available.
- Wheel chair and Stretcher are provided in institute.
- Ramps are constructed at the entrance of the college & lift is available so that, a physically disabled person has full access of all Classrooms, Laboratories and Libraty of the college.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities**Response:**◦ **Sports:**

- The institute aims to produce physically fit and mentally sound Engineers. The institute focus on overall development of the students through co-curricular and extra-curricular activities.
- Outdoor and indoor sports contribute significantly in grooming students. The Institute takes care to provide adequate facilities for the sports arena. The institute has an open ground with provision for sports where cricket, football, volleyball, kabaddi, and kho-kho can be practiced.
- Tournaments can be hosted in the Campus.
- Indoor games like, carom, chess and table-tennis can also contribute towards developing specific attributes such as planning and intellectual thinking amongst the students. These games are availble in the campus.
- The institute encourages the Students to participate in various colleges, zonal, inter zonal, state and national level sports activities. Students have participated and won different prizes by participating in such events.
- College organizes "Kurushetra" Sport event annually. Our parent organization organizes the annual sport event like "RunBhoomi" and "Aaghaaz".
- The Institute has play ground area 3500 Sq.m with facilities for different outdoor games. The Institute has adequate Infrastructure for Indoor Games. Area of Indoor Sport is **291.90 sq.m** and **79.2 sq.m**. The institute has a Physical director to motivate & guide the students in various games.

• **Yoga Centre :**

For grooming physical and mental health, Yoga is promoted and practiced in the institute. "International Yoga Day" is organized in the institute to increase awareness amongst the students. Institute has a yoga centre of area **82.39 sq. mtr.** established in the year 2016. The institute also believes that cultural activities are an integral part of overall development of a person.

- **Gymnasium:** A gymnasium is provided in campus with basic equipments like Dumbbells and Multipurpose Benches. Area of Gymnasium is **89.78 sq.mtr.** and was established in March - 2017.
- **Cultrual Activities And Movie Club.** College organizes various cultural events like "Orion" annually. Cultural events like "Crescendo" and "Forza" are organized by our parent organization ISB&M. Our students participate in cultural activities and have won prizes.
- **Auditorium:** Institute has Auditorium with area **642.96 sq.m** having seating capacity of 700. It is well equipped with all modern facilities. We have well equipped auditorium with adequate seating capacity for smooth conduction of events like conferences, seminars and yoga-meditation camp.
- The essential equipments available in Auditorium are:

1. Air conditioner.
2. Public Addressing Facility.
3. LCD Projector.
4. Internet Facility.
5. Wide Display screen.

- **Other Cultural Activities Celebrated:**

1. Dahi Handi Programm
2. Dandiya Night
3. Holi
4. Independence Day
5. Republic Day
6. Teachers day
7. Engineers day

The Areawise Details of Sport's Grounds are:

| Sr.No. | Name of Facilities | Area in Sqm |
|--------|--|-------------|
| 1 | Outdoor Sport: Volleyball Court ,Cricket ,Football Kabaddi ,Basketball | 3500 |
| 2 | Indoor games fascilation Centre 1: Table Tennis, Chess, Carom. | 291.90 |
| 3 | Indoor games fascilation Centre 2: Chess, Carom. | 79.20 |

Details as follows:

| Sr.No. | Particulars | Year of Establishment | Area in sq.m | Usre Rate |
|--------|-------------|-----------------------|--------------|--------------------|
| 1. | PlayGround | 2007 | 3500 | As per Requirement |
| 2. | IndoorGame | 2007 | 291.90 | "" |
| 3. | IndoorGame | 2017 | 79.20 | "" |

| | | | | |
|----|-----------------------|------|-------|----|
| 4. | YogaCentre | 2017 | 82.39 | "" |
| 5. | Gymnasium | 2017 | 89.78 | "" |
| 6. | CulturalActivity Room | 2012 | 63.20 | "" |

| File Description | Document |
|---------------------------------|-------------------------------|
| Link for Additional Information | View Document |

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 20

| File Description | Document |
|--|-------------------------------|
| Number of classrooms and seminar halls with ICT enabled facilities | View Document |
| any additional information | View Document |
| Link for additional information which is optional | View Document |

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 52.78

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 319.70 | 162.80 | 99.40 | 153.93 | 160.75 |

| File Description | Document |
|---|-------------------------------|
| Details of budget allocation, excluding salary during the last five years | View Document |
| Audited utilization statements | View Document |

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

- The institute has user friendly & fully automated "Auto Lib" Software installed since 2012 towards Integrated Library Management System (ILMS). "Auto Lib" software provides powerful information management solutions to enable and to distribute content seamlessly.
- It is an integrated software package encompassing all aspects of library management. It helps library to give fastest library services to the user by using barcode. Using this software, users can generate I-CARDS, print barcodes on any laser printer, spine labels and data on book cards. It takes care of the following activities:

1. Circulation i.e. Issue, Returns, Renewal, Recall, overdue report.
2. Book Accession, e-register and Online Public Access Catalogue.
3. Search the database using important fields such as accession number, call number, author, title, edition, year, publisher, subject, keywords, availability etc.
4. Efficient handling of large records.
5. Online Stock Verification support: Online stock verification of library resources using Barcode Scanner, Data Capturing Unit and generate report of books.
6. Sorting / printing large number of reports and can export into Excel file formats for analysis.
7. Interface to barcode scanners / printers / smart card.
8. User ID and password for various menus.
9. Database security, backup and recovery.
10. Customizable search.

Non Print -There is a collection of 565 CDs in the library. The CDs include technical Lectures, videos and demos pertaining to subject areas.

Electronic (e-books, e-Journals)

we have **50 e-books** access of **Engineering field** which are freely downloaded and **275 e-Journals** are subscribed and are made available to students. College provides online access to a number of referred journals to promote research culture.

Library Website: The library has separate webpage which upgrades the information regarding recent trends, newly purchased books & journals etc.

Total number of computers for public access in library: 10 machines.

Total numbers of printers for public access – One networked printer with reprographic and scanning facility is available in library for public access.

Internet band width speed – 12 Mbps have been allocated to library.

Participation in Resource sharing networks/consortia (like Inflibnet): The College is having membership of national digital library and Inflibnet for Shodhganga.

Reference: Faculty and students both have access to the reference section in the library.

ILL (Inter Library Loan Service): College is a member of the National Digital Library & SPPU library. Students and faculty members can avail loan services from these libraries.

News papers: Marathi, Hindi and English News papers are available on Daily basis.

The following operations are automated:

1. Issue and Return Transaction of Library resources.
2. Stock verification of the resources in the library.
3. Preparation Identity card for student, Staff and Faculty members.

Location: Building A, First floor.

Total Area including digital library: 424 sq.m.

Total Seating Capacity: 150 Students.

Working Hours: Library remains open from 9:00 am to 9:00 pm on all working days.

Number of titles: 2875.

Number of Volumes: 11296.

National Journals: 16.

Magazines: 09.

Name of ILMS Software: AUTOLIB.

Name of Agency: Akash InfoTech.

Nature of Automation: Partially.

Version: Autolib NG.

Year of purchase: December 2012.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for

library enrichment**Response:**

Institute has number of handbooks for different branches of Engineering which are available for student's reference. Subject wise information like educational videos including NPTEL lectures, course materials are available. Research papers, e-books and study materials are maintained as knowledge resource. Institute has special collection of competitive exam i.e. GRE, GATE. Institute has many reference books on Engineering & collection of biographies of some famous personalities. The Library has membership of National Digital library of India that has huge collection of e-learning resources.

| Sr. No | Acc. No | Title | Author | Publisher | Year of Pub. |
|--------|---------|---|-------------------------------------|-------------------|--------------|
| 1 | 10124 | Voice and Data Communication Handbook. | Bates, Regis | TMH | 2007 |
| 2 | 5709 | Machine Tool Design Handbook. | Cmti | TMH | 2008 |
| 3 | 8816 | A Handbook of Fire Technology. | Gupta,R.S. | Orient | 2005 |
| 4 | 6484 | High Speed Digital Design : Handbook Of Black Magic | AJohnson, Howard And Graham, Martin | Pearson Education | 2008 |
| 5 | 6104 | Jurans Quality Handbook | Juran, Joseph M. And Feo, Joseph A. | Tata McGraw Hill | 2010 |
| 6 | 9374 | The Java handbook | Naughton patrick | Tata McGraw Hill | 2006 |
| 7 | 7166 | Unix System : Administration Handbook | Nemeth, Evi | Pearson Education | 2008 |
| 8 | 5839 | Handbook Of Reinforced Concrete Design | Shah, V. L. And Karve, S. R. | Structures pub | 2010 |
| 9 | 9722 | Handbook of Wireless Network and Mobile Computing | Stojmenovic, Ivan | Wiley | 2006 |

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

| File Description | Document |
|--|-------------------------------|
| Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc | View Document |
| Any additional information | View Document |

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 5.61

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 7.49 | 11.18 | 1.73 | 0.88 | 6.75 |

| File Description | Document |
|---|-------------------------------|
| Details of annual expenditure for purchase of books and journals during the last five years | View Document |
| Audited statements of accounts | View Document |

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

4.2.6 Percentage per day usage of library by teachers and students

Response: 42.46

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 197

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

- As per the need of the curriculum, the institution frequently reviews and upgrades its IT facilities and has required computing facilities which include hardware, software and networking.
- Suggestions and recommendations from all stakeholders are considered to facilitate necessary upgradation of infrastructure to promote excellent teaching-learning environment at the institution.
- Deployment of IT infrastructure is done through system administration team. All the academic and administrative IT infrastructure requirements are addressed by this team. Updating in Wi-Fi routers takes place periodically. We have increased the bandwidth from 16 mbps to 50 Mbps.
- The IT infrastructure is responsible for upgrading the softwares due to frequent revisions and updating of new softwares released. Interactive boards for ICT based teaching and learning process are available in class- rooms.
- We have updated the projectors from LCD to DLP. Upgradation in Wi-Fi access points with increase in broad band speed and updatation of Server. Apart from these, the institution has yearly subscription of Microsoft Campus agreement through which all software products like Windows Operating system, Microsoft office server are upgraded annually. The open source softwares are updated on quarterly basis as per requirement.

- Number of computers with configuration - 300
- Computer student ratio:1:2
- LAN Facility: Yes
- Wi-Fi Facility: Yes
- Licensed software: Yes
- Number of computers /nodes with NET facility:300
- CCTV: Installation of CCTV in Campus as well as Institute. On Each floor Two CCTV Cameras are installed.
- UPS Backup: 20 KVA of Four UPS are available.
- Biometric : Biometric system is upgraded from thumb impression to Face recognition.
- Telephone: Adequate telephone lines are available.
- Printers and Plotters are purchased as per requirements.

◦ **Configuration of Computers**

| Sr. | Configuration |
|---------------------|--|
| 1 | LENOVO I5,4 GB RAM,500GB HDD,18.5" TFT Monitor Key board & Mouse |
| 2 | LENOVO I3,2 GB RAM,500GB HDD,18.5" TFT Monitor Key board & Mouse |
| 3 | HCL C2D 1 GB RAM ,160 GB HDD/80GB HDD 17" Monitor, Keyboard & Mouse |
| 4 | LENOVO I3,2 GB RAM,500GB HDD,18.5" TFT Monitor Key board & Mouse |
| 5 | HCL C2D 2 GB RAM ,160 GB HDD/80GB HDD 17" Monitor, Keyboard & Mouse |
| 6 | LENOVO I3,4 GB RAM,1 TB HDD,18.5" TFT Monitor wireless Key board & Mouse |
| Total Number | |

◦ **Internet Facility:**

- 50 mbps lease line has been procured from Teleglobal Communications Pvt.Ltd.
- **WI FI** : Wireless access point unifi AP-LR

◦ **List of softwares**

| Sr. No. | Software | Quantity | Remarks |
|---------|------------|-------------|----------|
| 1. | Catia | 10 licenses | Licensed |
| 2. | Ansys 14.5 | 25 | Licensed |
| 3. | Matlab | 20 | Licensed |

| | | | |
|-----|---------------|----|-------------|
| 4. | Calypso | 1 | Licensed |
| 5. | Multisim | 10 | Licensed |
| 6. | Microwind | 5 | Licensed |
| 7. | Octav | NA | Open Source |
| 8. | Mplab IDE | NA | Open Source |
| 9. | Flash Magic | NA | Open Source |
| 10. | Scilab 5.4.1 | NA | Open Source |
| 11. | Ardino R. D | NA | Open Source |
| 12. | Raspberry pie | NA | Open Source |
| 13. | Eclipse | NA | Open Source |
| 14. | Eclipse | NA | Open Source |
| 15. | MySQL | NA | Open Source |
| 16. | sql*plus | NA | Open Source |
| 17. | Wireshark | NA | Open Source |
| 18. | Nasm | NA | Open Source |
| 19. | Turbo C | NA | Open Source |
| 20. | C++ | NA | Open Source |
| 21. | Fedora | NA | Open Source |
| 22. | Ubuntu 14.4 | NA | Open Source |

4.3.2 Student - Computer ratio

Response: 1.36

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

| File Description | Document |
|---|-------------------------------|
| Facilities for e-content development such as Media Centre, Recording facility,LCS | View Document |
| Any additional information | View Document |

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 75.96

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 384.74 | 260.36 | 174.39 | 206.75 | 241.40 |

| File Description | Document |
|--|-------------------------------|
| Details about assigned budget and expenditure on physical facilities and academic facilities | View Document |
| Audited statements of accounts. | View Document |

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

The maintenance and upkeep of the infrastructure facilities are carried out with the support of the heads of the particular infrastructure department.

Civil Maintenance:

The civil maintenance is divided in four divisions : water and sewage, building, carpentry and Gardening.

Each division is coordinated by a supervisor and other skilled workers. Each department has Annual Maintenance contract and companies for the repair and maintenance like Gardening Development. We have Annual Maintenance contract with contractor for Sewage Treatment plant and Water Treatment plant.

To improve the infrastructure and maintain the campus, many initiatives has been taken from time to time, such as:

Laboratory Equipment:

The equipment and machineries in the laboratory/workshop are maintained by lab In-charge(s)/workshop In-Charge(s) with consent of Head of Department.

Computers: The computers are maintained in the Institution by Technical Assistant. The integrated IT services are controlled by Technical Assistant for example; smooth functioning of Computers, up-gradation and maintenance of softwares, biometric services, troubleshooting of hardwares and networking equipments including internet connectivity.

UPS: We have four UPS capacity of 20 KVA each and all the UPS (Uninterrupted power supply) are under annual maintenance contract.

CCTV: CCTV Camera is installed and are working in various locations. The examination control room is equipped with CCTV camera.

Printers, Plotters and Scanners: Adequate Printers and Scanners are available and maintained by our Technical Assistant. We take help of service providers in case of major problem.

Telephone Lines: We have adequate Telephone lines and located with important portfolios locations as Admin office, HOD office, Library, Placement Cell. We have annual maintenance of Telephone line and regular problems are solved by technical assistant.

LCD Projectors: All teachers are using ICT during lectures. College has LCD Projectors. We have separate service provider for the maintenance of projectors

Class Rooms: Class rooms, Seminar Halls and Laboratories are well maintained and kept neat and clean by housekeeping staffs.

Transport Facilities in Campus:

There are two Tempo Travelers and 1 car for students and staffs. The Emergency car is available 24*7 hours for students and faculty members in the campus. These facilities are outsourced on contractual basis. Apart from Outsourced vehicles, we have one car Permanently in the campus.

Library: The library is partially computerized and is equipped with bar code reader, LASER gun. We have 'AUTOLIB' Software which has Annual Maintenance contract.

Playground /Sports Complex: The physical education department is facilitated by a Physical Director to guide and motivate students towards Sports Activities. The Sports Authorities keeps the play field ready for the students by marking the ground and providing the play kit.

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 30.78

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 101 | 112 | 197 | 165 | 181 |

| File Description | Document |
|--|-------------------------------|
| Upload self attested letter with the list of students sanctioned scholarships | View Document |
| Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years | View Document |
| Any additional information | View Document |

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 5.07

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 27 | 31 | 27 | 19 | 15 |

| File Description | Document |
|---|-------------------------------|
| Number of students benefited by scholarships and freeships besides government schemes in last 5 years | View Document |
| Any additional information | View Document |

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

| File Description | Document |
|---|-------------------------------|
| Details of capability enhancement and development schemes | View Document |
| Any additional information | View Document |
| Link to Institutional website | View Document |

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 34.47

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 264 | 265 | 129 | 55 | 60 |

| File Description | Document |
|---|-------------------------------|
| Number of students benefited by guidance for competitive examinations and career counselling during the last five years | View Document |
| Any additional information | View Document |

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 37.23

5.1.5.1 Number of students attending VET year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 331 | 249 | 38 | 74 | 125 |

| File Description | Document |
|--|-------------------------------|
| Details of the students benefited by VET | View Document |

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

| File Description | Document |
|--|-------------------------------|
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | View Document |
| Details of student grievances including sexual harassment and ragging cases | View Document |
| Any additional information | View Document |

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 55.56

5.2.1.1 Number of outgoing students placed year-wise during the last five years

| | | | | |
|---------|---------|---------|---------|---------|
| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
| 32 | 75 | 90 | 55 | 48 |

| File Description | Document |
|---|-------------------------------|
| Self attested list of students placed | View Document |
| Details of student placement during the last five years | View Document |
| Any additional information | View Document |

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 2.67

5.2.2.1 Number of outgoing students progressing to higher education

Response: 02

| File Description | Document |
|--|-------------------------------|
| Upload supporting data for student/alumni | View Document |
| Details of student progression to higher education | View Document |

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 80

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

| | | | | |
|---------|---------|---------|---------|---------|
| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
| 01 | 04 | 04 | 04 | 00 |

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

| | | | | |
|---------|---------|---------|---------|---------|
| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
| 01 | 04 | 04 | 04 | 00 |

| File Description | Document |
|---|-------------------------------|
| Upload supporting data for the same | View Document |
| Number of students qualifying in state/ national/ international level examinations during the last five years | View Document |

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) during the last five years.

Response: 52

5.3.1.1 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-wise during the last five years

| | | | | |
|---------|---------|---------|---------|---------|
| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
| 12 | 10 | 10 | 11 | 9 |

| File Description | Document |
|--|-------------------------------|
| Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years | View Document |
| e-copies of award letters and certificates | View Document |

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Institute provides a platform for the active participation of the students in various academic and administrative bodies.

Students having problems, approach “Student Council” and the council solves their problems not only

limited to academics, but even their personal and administration related issues regarding hostel, supply of water, electricity, canteen and recreation (like TV, IT room, etc.) are discussed and resolved by "Student Council".

Management implements the suggestions given by "Student Council" and improvises the infrastructure & other facilities for the students based on the reports submitted by "Student Council". Management is committed to provide a nice and clean hostel, gymnasium, 24 hours central library, laboratory access to the students even after working hours and all the basic facilities which are required to groom the students.

In order to enhance the effectiveness and impact of "Student Council", representatives from all the cadres are involved.

Committee members regulate various extracurricular activities. Such activities are needed for reforming the institute. "Student Council" is also instrumental in providing student's satisfaction information by taking feedback. It includes views and suggestions with respect to infrastructure development, transport, canteen facility, topics related to planned seminars and workshops, syllabus coverage and other issues.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 14.4

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 19 | 15 | 14 | 13 | 11 |

| File Description | Document |
|--|-------------------------------|
| Report of the event | View Document |
| Number of sports and cultural activities / competitions organised per year | View Document |
| Any additional information | View Document |

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

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 feedbacks 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.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: <1 Lakh

| File Description | Document |
|---------------------------------------|-------------------------------|
| Any additional information | View Document |
| Alumni association audited statements | View Document |

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 3

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 1 | 1 | 1 | 0 | 0 |

| File Description | Document |
|--|-------------------------------|
| Number of Alumni Association / Chapters meetings conducted during the last five years. | View Document |
| Any additional information | View Document |
| Report of the event | View Document |

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Vision

To empower efficient and innovative technocrats to fit into global competency.

Mission

- Ensuring State Of The Art Outcome Based Engineering Educational Scenario.
- Fostering A Strong Industry-Institute Partnership Which Leads To A Life Long Career.
- Imparting Leadership Qualities To Aspirants Through Multi Dimensional Capacity Building And Soft Skills Enhancement.
- Linking Students with Societal Challenges By Means Of Exposure To Techno-Societal Arena.

Philosophy:

1. To operate with a spirit of responsibility, integrity, professionalism and partnership.
2. To think with speed, flexibility and an open mind.
3. To use a comprehensive understanding of global education to set our own standards.

Social and Ethical Values:

- Every year, institute organizes Blood Donation Camp, Road Safety Week, Swachhta Abhiyan.
- Institute actively participates in community development activities through NSS.
- Institute promotes higher education awareness in rural area.

The College has membership of professional bodies like ACM, ASHRAE,IEEE. Various activities conducted under these professional bodies/ chapters provide exposure to latest technological trends to students and faculty members.

Design and Implementation of Quality Policy and Plan are as follows:

| Sr. No. | Actions towards achieving Mission and Vision | Responsible Authority |
|---------|--|--------------------------------|
| 1 | Establishing right attitude and human values among the students. | Management, Principal members. |
| 2 | Appointment of skilled Faculty members, fulfilling norms of the Institute/AICTE/UGC. | Management, Principal and |
| 3 | Promoting research culture among students & Faculty members. | Management, Principal members. |
| 4 | Course file and lab manuals of each subject is prepared and maintained | HoDs, Faculty members and |

| | | | |
|----|--|---|--|
| | with proper contents to maintain teaching quality. | | |
| 5 | Monitoring of lectures and practicals is done by academic monitoring committee. | Dean Academics, HoDs and Academic Coordinators. | |
| 6 | Parent-teacher meet and Feedback from parents are taken in order to adopt measures for improvement. | HoDs and Faculty Members | |
| 7 | Faculty development programs are organized on the topics apart from the curriculum. | President, Principal and HoDs | |
| 8 | Comparative result analysis is done and necessary actions are taken. | Principal, HoDs and Faculty | |
| 9 | Teacher guardian scheme is implemented. | Principal, HoDs and Faculty | |
| 10 | Various seminars, workshops and co-curricular activities are organized. | Principal, HoDs and Faculty | |
| 11 | Appreciation of the students is done through various awards on annual day to motivate the students. | Management and Principal. | |
| 12 | Expert lectures of renowned personalities from the academics and industry are organized. | Principal and HoDs. | |
| 13 | Infrastructure (PCs, internet, etc) has been provided to the students as per the AICTE norms in order to ensure effective teaching learning process. | Management. | |
| 14 | Repair & maintenance of infrastructure are done as per requirements. | Principal and HoDs. | |
| 15 | Effective appraisal system is implemented for motivating faculties based on their performance. | Management, Principal and | |
| 16 | MOU's with various industries for promoting industry Institute interaction. | Principal, HoDs and TPO. | |

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.1.2 The institution practices decentralization and participative management

Response:

Case Study: Various functional committees

The institute promotes participative management at various levels for overall growth of the institute and empowerment of various stake holders. Faculty members, staff members and students are encouraged to contribute through participation.

The Institute has following committees:

- Governing Body(GB).

- Local Managing Council (LMC).
 - Academic Monitoring Committee(AMC).
 - Reservation Committee.
 - Anti-ragging Committee.
 - Women's Grievance Cell.
 - Internal Complaint Committee.
 - Cultural Cell.
 - Examination Cell.
 - Placement Assistance Cell.
 - Student Asssociations/Council.
-
- There is a representation of management, faculty members and other stakeholders in the committees like GB, LMC, AMC that formulate policies aligned towards vision and mission of the institute.
 - The Management and Principal have adopted from bottom to top (stake holders to management) approach in policy making process.
 - Academic and other activities are conducted at departmental level by HoDs along with teaching and non-teaching staff.
 - Student council members actively participate in decision making of students related issues.
 - Administrative and technical staff provides the necessary support and services for effective functioning.
 - In addition, number of inputs from stakeholders like supporting staff, faculty, alumni, parents, employers and the visitors are considered for effective implementation of policies of the institute.

Leadership at Various Levels:

The institute believes that identifying the potential and grooming the leaders is the only way towards its qualitative growth. The leaders at various levels are created as described below.

Students Level:

- As per SPPU norms, the student council is constituted and is functional. It provides opportunity to work as Class Representatives (CR) and other roles.
- Students are entrusted with the responsibility of managing various co- curricular and extra-curricular activities at institute and department level like MESA, CESA, ETSA, Avishkar, Orion, Kurushetra, Ranbhumi, Crecendo, Annual Social Gathering, Placement Assistance Cell.
- Students are promoted to participate in inter collegiate curricular, co- curricular and extracurricular activities along with various social activities.

Supporting Staff Level:

- The need based training is imparted to supporting staff to upgrade their competency.
- The supporting staff members in departments shoulder responsibilities assigned by HoDs and faculty coordinators of different functional committees.
- The supporting staffs in administration office handle the administrative activities independently.

Faculty Level:

- Senior faculty members are permitted to work on various University level committees like staff selection committee, LIC, CEO, senior supervisor.
- Opportunities are provided to work at various levels including convener, coordinator, organizing committee members, technical committee members in the events such as workshop/conference/STTP/FDP.
- Appointment as Deans, HODs and members of various committees like LMC are done from amongst senior faculty members.
- Appointing Coordinators of the steering committee of LIC, NAAC and NBA.
- By giving opportunity to work as a coordinators of various events like annual function, annual sports, technical, co-curricular and extra-curricular events, class teachers, GFM and faculty coordinator of student associations.

HoD Level:

- Being a departmental head, HoD can implement the policies of management. He/she is responsible for monitoring academic and administrative activities of the department.

Along with teaching learning, he/she is responsible for counseling and academic improvements of the students.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Yes, the institute has a quality policy. It is developed, driven, deployed and reviewed through the active involvement of Management, Principal and Faculty members by considering the suggestions given by students and external stake holders.

NAAC

Example: Enhancing Industry Institute Interaction:

Based on available resources, the perspective /strategic plan of institute is prepared for the next five years. 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 from the year 2016-17.

- 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:**

Examples of these interactions are as given below:

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 counseling 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 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 benefitted through industry interaction for the evaluation.

Principal, Deans and HODs take review of the stated objectives twice in the year formally through the result analysis of University examinations and informally from the stakeholders like parents, alumni, LIC of University etc. The same is communicated to management for modifications in the quality policy required, if any.

| File Description | Document |
|--|-------------------------------|
| Any additional information | View Document |
| Strategic Plan and deployment documents on the website | View Document |
| Link for Additional Information | View Document |

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

- The institute has two apex bodies, GB and LMC responsible for finalization and review of its quality policy.
- Management, Principal and senior faculty members work together for implementing quality policies.
- The Principal takes review of outcomes from the implementation of action plans through meetings with functional committees and makes necessary changes in action plans if required.
- The action plans are formulated in line with quality policy under the leadership of Principal.
- The action plans are incorporated by HoDs into their strategic plans for effective implementation. For example, the teaching plans, laboratory plans, timetable, academic activity plans are formulated according to academic calendar of the institute.
- Various functional committees/cells are formed at institute level for implementation of action plan. These functional committees include AMC, timetable committee, sports committee, cultural committee, grievances redressal committee, women's grievances redressal committee, anti-ragging committee. A representative from each department and from students are inducted in institute level committees.
- Various committees are also formed at department level for incorporation of action plans in decentralized manner. Each of the committee has its defined roles in formulating and accomplishing the strategic plan and timely implementation.

Designation Roles and Responsibilities:

Principal: Implementation and monitoring of academic and administrative system to cater to vision and mission of the institute.

Dean (Administration): Administrative development and support with monitoring functioning of the institute.

Dean (Academic): Academic Development and Monitoring of the institute.

HOD: Academic and administrative functions of the department.

CEO: Activities related to University and internal examinations.

NSS Coordinator: NSS activities of SPPU.

SWO: Students' welfare activities of SPPU.

TPO: Training and Placement activities.

Student association Coordinators: Planning, execution and supervision of activities of student associations.

Registrar/OS: Supervise and manage of all administrative and operational functions.

Accountant: Management of finance and account activities.

Librarian: Management of learning resources.

Recruitment and Promotional policies :

- Advertisements will be given in national & local newspapers 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.
- Sorted resumes will be forwarded to the principal's office to inform the candidates about the date and venue of the interview through mail and email address.
- The candidate has to give the demo lecture in front of subject internal experts followed by face to face interview.
- Based on their performance in the interview, the committee will send the fair list of candidates to principal's office.
- 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.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development**
- 2.Administration**
- 3.Finance and Accounts**
- 4.Student Admission and Support**
- 5.Examination**

- A. All 5 of the above**
- B. Any 4 of the above**
- C. Any 3 of the above**
- D. Any 2 of the above**

Response: A. All 5 of the above

| File Description | Document |
|--|-------------------------------|
| Screen shots of user interfaces | View Document |
| Details of implementation of e-governance in areas of operation Planning and Development, Administration etc | View Document |

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

Teaching learning process:

In order to strengthen the teaching learning process quality, initiatives taken by the institute are as follows.

- Practical exposure and industry interaction through industrial visits, lectures by experts from industry / academia.
- Use of NPTEL video lectures, presentations etc.
- Special classes for aptitude and soft skills.
- Assignments and tutorials to enhance writing skills and practice.
- Social impact based innovative and industry sponsored projects for final year students.
- Exposure to skill based training programs like Android Course, Web Technology.
- Subscription of online research journals.

Community Engagement:

- Organization of Blood Donation Camps.
- Conduction of community development program through NSS Unit.
- Organization of tree plantation program.
- Organization of awareness program for eco-friendly premises, Participation in “Swachha Bharat Abhiyan”
- Participation in Traffic Control activity and Road Safety Week for Pune city.

Human Resource Management:

- Recruitment and leave policies as per norms of statutory bodies.
- Sponsorships and duty leaves for attending seminar, workshops and conferences, industry and technical exhibitions visits.
- Provision of study leaves for qualification upgradation / higher studies.

Management support for improving Institutional processes:

1. Releasing sufficient funds for organizing Expert lecture/seminar/workshop, industrial visit and conferences.
2. Motivate to participate in International/National conference, Seminars/Workshops, FDP and training by providing registration fees, travelling allowance and by granting duty leaves.

3. Stress management for faculty and staff members through arranging trips/picnics to different places.
4. Performance appraisal system for individual staff.

Example: Local Management Council (LMC) Meeting: Dated 17/02/2017 at 2:00 PM in Principal Chamber

Recommendations:

1. NAAC accreditation work need to complete upto Nov 2017 & IIQA has to be filled in Dec 2017.
2. Selection processes for new faculty recruitment & their university approval process to be completed upto July 2017.
3. Selections of Librarian & approval process need to be completed before AY 2017-18 starts.
4. Need of enhancement in existing Infrastructure such as enhancement of bandwidth of Internet & Wi-Fi facility in campus including Hostel.
5. Due to continuous schedule of examination as per S.P.P.U, library hours need to be extended.
6. Need of improving Institute-Industry Interactions process for student Placement.
7. Student problem has to be solved on priority basis for Internal Branding.
8. Academic Improvement is necessary along with soft skill, for the same, arrangement of Movie club, soft skill lectures need to be included in regular time table.
9. Final Year student's project must be based on latest technology and current Industrial requirement.

Action Taken Report

| Sr. No | Resolution | Action Taken | Stat |
|--------|--|--|-------|
| 1 | Increase Library hours. | 1. Library hours increased from 5.00 pm to 9.00 pm every day. 2. Library is open on Saturday and Sunday for students. | Impl |
| 2 | Increase Internet bandwidth & To provide Wi-Fi facility in the campus. | 1. Band width increased upto 52 mbps. 2. Wi-Fi facility in the campus. | Impl |
| 3 | File applictaion for NAAC and NBA accreditation. | Applied for NAAC. | In pr |
| 4 | Selection of Librarian, Staff and their approval process. | 1. Selection & Appointment done. 2. Applied for approval to S.P.P.U. | In pr |
| 5 | Soft skill & Movie club for students. | Soft skill lectures & movie club hrs are added in Time table. | Impl |

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

- **Professional development of teaching and non-teaching staff**

1. Encouraging the faculty members to carry out research work in the field of their interest and to publish that in International Journals.
2. On-duty leaves are provided to the faculty members for attending and participating in national/international conferences and seminars.
3. Funds are provided to the departments to arrange guest lectures, seminars, workshops and conferences.
4. Different E-journals & NPTEL video lectures are provided to all the faculties through digital library.
5. Motivating faculty by providing leave for pursuing higher studies.
6. Faculty members are encouraged to organize and to participate in state, national and international level conferences/seminars/workshops/symposia.
7. Faculty members are deputed to participate in curriculum revision workshops organized by SPPU.
8. Opportunities are provided to the faculty members for working in various committees of University (Staff Selection/LIC/ Paper setting etc.)
9. Special leaves are provided to faculties on their marriage (for unmarried).
10. Non teaching staffs are encouraged to complete their higher education.
11. Computer facilities are made available to all non teaching staff.

- **Welfare schemes available for teaching and nonteaching staff:**

1. Employees Provident Fund: EPF is the main *scheme* under the *Employees'* Provident Funds and Miscellaneous Provisions Act. All eligible staff members avail the facility.
2. Group Medical Insurance for all staff members.
3. Free Transportation facility to staff members.
4. Medical Facility in campus.
5. Fee concession for the children of the employees.
6. Holistic development of faculty members.
7. Leave for higher education to non Teaching staff.
8. College Uniform is provided to non-teaching staff.
9. Canteen Facility to staff members is provided at subsidised rates.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 26.8

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 12 | 11 | 20 | 28 | 05 |

| File Description | Document |
|---|-------------------------------|
| Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years | View Document |
| Any additional information | View Document |

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 3.2

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 06 | 03 | 02 | 03 | 02 |

| File Description | Document |
|---|-------------------------------|
| Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff | View Document |
| Any additional information | View Document |

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 45.13

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

| | | | | |
|---------|---------|---------|---------|---------|
| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
| 24 | 25 | 27 | 36 | 18 |

| File Description | Document |
|--|-------------------------------|
| Details of teachers attending professional development programs during the last five years | View Document |
| Any additional information | View Document |

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

The institute has following performance appraisal system to evaluate its faculty members.

- Faculty performance appraisal forms are given to faculty members every year.
- The process of appraisal includes self-appraisal which is followed by evaluation by mentor/HoD.
- At the end of every academic year, the HODs submit the appraisal forms to Principal for evaluation.

The performance appraisal form includes the following points:

- Regularity and punctuality to conduct lectures and practical(s).
- Involvement to solve students queries.
- Regularity and punctuality in drawing and correcting exam/test papers/assignments.
- Regularity and punctuality in completing the syllabus (theory/practical).
- Involvement in Students Guidance and Counseling.
- Result analysis.
- Involvement in arranging and participating workshop/conference for students/staff
- Involvement in arranging industrial visit/expert talks for students/staff.
- Involvement in research projects/consultancy/revenue generation.
- Involvement in Department/College level activities.
- Involvement in industry-institute interaction.
- Students also evaluate the performance of their teachers by means of feedback.

The outcome of feedback is analyzed by the HODs and is discussed with concerned teachers. In case of poor performance, staff members are informed to meet the Principal for counseling and necessary corrective measures are discussed.

- **Measures taken by the Institution for attracting and retaining eminent faculty:**
- Internal Grievance Committee/ Internal Complaint Committees are formed regarding any issues for all the employees at Institute level.
- Institute gives equal opportunity to each and every employee for enhancement of their professional as well as personal development.

- Motivational lectures by management are arranged regularly for establishing a good teaching & learning environment.
- Faculties are motivated by the management to register for PhD course and they are provided on duty leaves and other facilities to pursue their research.

| | |
|----------------------------|-------------------------------|
| File Description | Document |
| Any additional information | View Document |

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Institutional Mechanisms for Audit:

The institute account books are audited regularly by both Internal and external agencies.

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.

Provide audited Income Expenditure statement for Last Five Years:

| Particular | 2013-14 | 2014-15 | 2015-16 | 2016-17 |
|-------------|----------|----------|----------|----------|
| Income | 44276942 | 42319876 | 52030775 | 33808699 |
| Expenditure | 67406905 | 63186742 | 55580104 | 53686524 |

| | |
|---------------------------------|-------------------------------|
| File Description | Document |
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 13.99

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during

the last five years (INR in Lakhs)

| | | | | |
|---------|---------|---------|---------|---------|
| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
| 4.31 | 0.84 | 1.49 | 2.58 | 4.77 |

| File Description | Document |
|--|-------------------------------|
| Details of Funds / Grants received from non-government bodies during the last five years | View Document |
| Any additional information | View Document |
| Annual statements of accounts | View Document |

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The institute is a self-financing and its income is mainly from tuition and development fees paid by the students which is defined by Shikshan Shulk Samiti, constituted by State Government of Maharashtra. The institute also manages amount through loans to fulfill the capital expenditures of the institutions and the interest from fixed deposits.

Management of deficit availability of corpus: The deficit is managed by Peoples Empowerment Group, for meeting the expenses more than the income generated.

Plan for Effective use of Available Financial Resource:

1. Yearly planning under different budget heads at Institute level conveys a well defined mechanism to monitor effective and efficient use of available financial resources.
2. Details of proposed expenses are collected from respective departments at the beginning of the semester in the prescribed format as per the circular issued by the Principal.
3. Budget for the department is prepared by concerned HODs, in consultation with the departmental laboratory in-charge and other faculty members.
4. The Principal and HODs discuss the requirements and decide the priorities while allotting funds for various purposes, optimizing the usage of available financial resources.
5. The institute has constituted separate purchase committee which monitors all the requirements and purchases.
6. The central purchase committee finalises the work orders on the basis of minimum rates quoted and better service terms along with higher quality of products/services on accordance with the comparative statement of quotations called from minimum three vendors.
7. LMC and GB approve appropriate budgetary provisions made by Principal and monitor the efficient use of provisions.
8. Financial audits of accounts are conducted every financial year to verify the compliance with standard processes. This mechanism monitors effective and efficient use of available financial

resources.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The Institute has constituted an Internal Quality Assurance Cell (IQAC) and is reformed time to time as per the needs. The sole objective of this committee is to improve the overall quality of academics and administrative functioning and activities of the Institute in accordance with Vision and Mission.

This committee periodically reviews the outcome of various academic and administrative committees. This committee has contributed significantly in strategizing, formulating, standardizing and implementing various quality policies, initiatives and processes.

Two examples of best practices institutionalized as a result of IQAC initiatives are:

1. Organizing technical courses through industry institute interaction.

Important step taken by IQAC is conduction of technical certification courses for final year and third year students. Certification courses contribute to the technical skill enhancement of the students. In addition to the certification courses, different activities like group discussions, sessions on interpersonal skills, personality development are conducted for overall development of the students. The industry Institute Interaction framed and made instrumental by Placement Assistance Cell, plays a great role in these certification courses. The contents and the method of delivery and inclusion of resource persons to these courses is solely in accordance with the requirements raised by Industry.

2. Mentoring student is a unique feature of ISB&M School of Technology It is a process of creating a supporting relationship with faculty, parents and students aiming at comprehensive development of students.

In this activity, Mentor helps a less experienced student to bring them at higher level of experience for values of life. Mentoring helps to shape an individual's beliefs and values in a positive way.

There are many benefits of mentorship towards student development that includes communication, interpersonal relationship, technical, verbal, motor and leadership skills along with creative thinking and

motivation for extracurricular activity.

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

Continuous development is achieved through IQAC. It is responsible for directing, developing, providing and implementing guidelines to review curricular, instructional, teaching and learning materials. Latest teaching aids, techniques, activities, assessment tools and methodologies are used to enhance overall functioning to achieve goals of the institute.

Two examples of institutional reviews and implementation of teaching learning reforms are outlined below:

1. Continuous Assessment System:

To assess and keep handy records of student's performance, the methodology of maintaining continuous assessments sheets in form of Academic Progress Record (APR) have been developed and implemented. Initially, policies were framed for continuous assessment to initiate formative assessments and provide opportunities of success to students continuously. The strategies developed and policies framed time to time were laid down on APR booklet which was distributed amongst all faculty members in the beginning of each semester. It provides the excellent way of disseminating all policies framed for students and staffs performance monitoring. All teaching and learning activities were recorded, assessed and reviewed by checking records of these APR continuously. It reflected number of lectures, laboratory sessions, expert lectures and other co-curricular activities conducted by faculty members, students attendance and continuous assessments.

Students and faculty member are regularly monitored based on these APR. Heads of Department has to go through these APR in the weekly meetings and at the end of the semester. This APR is also checked and verified by DEAN (Academics) along with Academic Monitoring Committee. APR is used to assess performance/self-appraisal reports of faculty members. These APR also indicate students all learning activities, continuous internal assessments and university results.

Depending upon the outcome achieved and the need raised; the policies, methodology, mode of APR are upgraded time to time. It evolved from many forms of hard copy in booklet form to soft copies on open software to commercial ERP. It also gives ideas of periodical reformations occurred in assessment tools, techniques and methodologies used for evaluating faculty and students performance.

2. Academic Monitoring System

Institute has system of monitoring of academic activities periodically. Number of lectures conducted by faculty members is monitored monthly and at the end of semester. Number of defaulter students is fortnightly monitored and makeup lectures are conducted for defaulter students. This has resulted in substantial reduction in the number of defaulter students. Review of University examination results, internal examinations and student's feedback for teaching are also taken regularly.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year**Response:** 18.6**6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years**

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 24 | 25 | 23 | 14 | 7 |

| File Description | Document |
|--|-------------------------------|
| Number of quality initiatives by IQAC per year for promoting quality culture | View Document |
| IQAC link | View Document |

6.5.4 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
- 2.Academic Administrative Audit (AAA) and initiation of follow up action**
- 3.Participation in NIRF**
- 4.ISO Certification**
- 5.NBA or any other quality audit**

A. Any 4 of the above**B. Any 3 of the above****C. Any 2 of the above****D. Any 1 of the above****Response:** C. Any 2 of the above

| File Description | Document |
|---|-------------------------------|
| Details of Quality assurance initiatives of the institution | View Document |

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle) Post accreditation quality initiatives (second and subsequent cycles)

Response:

IQAC sets the benchmark for various activities and processes. It monitors the process and measures the performance against the set benchmark through Departmental Audit Committee. It proposes corrective actions in case of deviation. It prepares the policies, formats and documentations in order to cater to the requirements of various certifying/accrediting bodies.

The Institute plans the teaching, learning and evaluation schedules by preparing academic calendar at Institute and Department level in-line with SPPU academic schedule. The teaching, learning and evaluation activities in the Institute are implemented according to the academic calendar, which is monitored by Academic Coordinator as per the directives given by IQAC. Efforts are being taken to build the student centric system through interactive learning, collaborative learning and independent learning. Utilization of resources like NPTEL and E-Journals enhances effectiveness of teaching learning process. Needs of students and Faculty members with respect to advanced domain are fulfilled by organizing various events, training workshops etc.

Faculty members are also deputed for attending various need/interest based courses, conferences symposium etc. Before commencement of the term, Course coordinator prepares teaching and practical plan as per policies defined by IQAC. Guardian faculty member (GFM) takes the responsibility of mentoring the students on academic fronts and also interacts and counsels the students in a group wise manner, to cope up with personal issues like finance, self-management and psycho-social issues.

Innovative teaching approaches like use of ERP, Four-Board Method, knowledge wall,

NPTEL video lectures etc. are adopted by faculty members in teaching learning process.

Learning outcomes:

Course outcomes are defined for each course and are made available to students. The progress of the students is monitored by course coordinator, GFM and Head of Department through continuous assessment. The intended Course outcomes are achieved by facilitating teaching, learning and assessment, appropriately based on the course need.

IQAC has to prepare an comprehensive report, on the basis of reports furnished by each Department and submitted to IQAC, for each term. Institute has very active and result oriented Students Chapters and Student Associations. This ensures that the students not only understand the concepts by means of class room teaching but also try their hands through projects and presentations, competitions and other technical events.

Institute has initiated industry institute interaction through internships, sponsored projects, industrial visits etc. Some of the initiatives of IQAC contributing in incremental improvements are:

1. Department Audit Committee
2. Counselling and Mentoring
3. Entrepreneurship Development

4. Enterprise Resource Planning
5. Industry-Institute Interaction
6. Research and Development
7. Students Development and Welfare

NAAC

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 10

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 03 | 03 | 02 | 01 | 01 |

File Description

Document

Report of the event

[View Document](#)

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

a) Safety and Security:

The institution gives highest priority to safety and security of students, staffs and infrastructure of the college. Following facilities have been provided by the Institution:

- i. The institution has installed CCTV (Closed Circuit Television) cameras at different places inside the campus to supervise and check activities going on inside the campus.
- ii. The committee has been formulated which regularly looks after and supervises safety and security of the institute. The committee members constitute teaching, non- teaching staffs and student representatives.
- iii. Night guards are appointed for the safety and security of students and infrastructure of the institute.
- iv. The contact numbers of police station, ambulance, doctors are displayed in all departmental notice boards.

v. The institution has "women grievance cell" which handles the issues related to women. The cell conducts different activities in institute for women safety, security and empowerment. Institute has appointed physical instructor to train the art of Self-Defence amongst students and faculty members.

vi. The institute arranges different programs for gender sensitization and equity.

vii. The institution conducts session for sexual harassment for women students and staffs.

viii. The institute has separate hostels for girls and boys with security guard and CCTV. Female faculty members are appointed as coordinator for girl's hostel. Institute has well defined hostel committee to maintain discipline in the hostel.

ix. In case of Medical Emergency, a dedicated vehicle is available in the campus.

x. Full time doctor is available in the campus for medical care and first aid.

xi. Entry to unauthorized personnels are restricted in the campus. Records of incoming and outgoing students, staffs and vehicles are maintained thoroughly.

b) Counseling:

There is a functional counseling committee that conducts meetings with students and solve their issues (if any).

The guardian faculty members conduct GFM meetings to resolve student's issues related to medical, hostel, academic facility etc. Student's counseling is one to one for understanding their issues.

c). Common Room Facilities:

Separate common rooms are available for girls & boys in the institute. Basic facilities are available in common room.

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 12.42

| 7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH) | |
|---|-------------------------------|
| Response: 53064 | |
| 7.1.3.2 Total annual power requirement (in KWH) | |
| Response: 427294 | |
| File Description | Document |
| Details of power requirement of the Institution met by renewable energy sources | View Document |
| Any additional information | View Document |
| Link for Additional Information | View Document |

| 7.1.4 Percentage of annual lighting power requirements met through LED bulbs | |
|---|-------------------------------|
| Response: 0.56 | |
| 7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH) | |
| Response: 504 | |
| 7.1.4.2 Annual lighting power requirement (in KWH) | |
| Response: 89233 | |
| File Description | Document |
| Details of lighting power requirements met through LED bulbs | View Document |
| Any additional information | View Document |

| |
|---|
| <p>7.1.5 Waste Management steps including:</p> <ul style="list-style-type: none"> • Solid waste management • Liquid waste management • E-waste management <p>Response:</p> <p>Solid Waste Management:</p> <p>Dustbins are provided all over the campus. Solid waste is categorised into decomposable and non-decomposable waste.</p> <p>Waste which does not belong to garbage or trash is sent for recycling such as waste papers, old files etc.</p> |
|---|

Metals from our college are collected and sold out to authorized purchasers for recycling. Waste from canteens and garden is dumped underground in eco-friendly manner without pollution. Dry waste is collected by "Gram-Panchayat" for disposing to nearby wrecking yard .

Liquid Waste Management:

Waste water treatment is an important initiative for the betterment of the society and future of mankind. Waste water treatment is done through Sewage Treatment Plant, in which, the contaminants are removed from waste water and used for gardening and other purposes. Different kinds of filters are used in STP such as "Activated Carbon Filter" used to adsorb chlorine, organics, color, taste and odor from wastewater and those are replaced at regular intervals.

E-Waste Management:

E-waste is described as discarded electrical items such as AC outdoor Unit, UPS, UPS battery, Exhaust fan, electrical panel board, distribution board, ac indoor unit etc. Damaged instruments like printer, CPU are sold out to authorized purchaser for recycling.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Now-a-days, due to environmental pollution, cutting of trees etc Global Warming is increasing. As a result, Water resources are getting depleted which is ultimately decreasing the amount of rainfall. Optimum use of water resources in intelligent way is the need of the hour. For our water requirements, we entirely depend upon rivers, lakes and ground water. However, rain is the ultimate source that feeds all these needs. It is very essential to stop the wastage of the Rain-Water and conserve it. One of the most efficient tool of conserving the Rain-Water from draining out is "Rain Water Harvesting".

Rain water harvesting conserve water and does-not allow it from draining away and causing flood elsewhere.

Institute has rain-water harvesting system. The roofs of the college building is slightly inclined in such a way that all the Rain-Water gets accumulated at a specific area. The rain water is collected from the roof area and supplied to nearby well and sewage treatment plant through a Pipe-line. This is how, rain-water is conserved.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

The college promotes efforts to inculcate environmental awareness amongst students by organizing different activities under NSS. We firmly believe that environmental awareness must be induced in habits through actions.

Bicycle: Students, Staffs and faculty members who stay nearby, prefer bicycle while coming to college. The Institute has provision of bicycle stand for such people.

Public Transport: Most of the staffs and students are coming to college by making use of public transport such PMPL Buses, auto rickshaws instead of individual vehicle. College has provided bus transport facility for students and staffs.

Pedestrian Friendly Roads: College is having pedestrian friendly roads. Speed breakers are built to reduce speed of vehicle as a safety measure for the pedestrians. Vehicle speed limit boards are also displayed in the campus and security guards are appointed for supervision.

Plastic-Free Campus:

The Institute supports plastic free campus by avoiding use of plastic carry bag to canteen and mess. College organizes "awareness programs" to promote campaigns in support of "Plastic Free Campus" citing the drawback and health hazards caused due to use of plastics. Students performed a street play, in which they demonstrated methods to reduce the use of plastics and discussed its harmful effects.

Paperless Office:

The Institute follows paperless office by making CDs of student's submission instead of taking printouts. We make use of one sided used pages for prints. We reduce paper work of administrative office by allowing students to pay fees online and mark their entries digitally. Institute also has ERP System to reduce paperwork. Institute provides dedicated electronic mail IDs to all faculty members and staffs for all kinds of official correspondence with an aim of minimizing the usage of paper in the campus.

Green Landscaping With Trees and Plants:

In our campus, we have planted different varieties of trees and plants. Campus is covered with around 1,200 plants and trees and is surrounded by forests from three sides. The trees on campus attract wide variety of birds. Most of the area is covered by green landscapes. Tree plantation programs are organized under NSS Activity to increase awareness.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 4.56

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|----------|----------|---------|---------|----------|
| 20.24497 | 10.17201 | 9.54859 | 11.34 | 22.25193 |

| File Description | Document |
|---|-------------------------------|
| Details of expenditure on green initiatives and waste management during the last five years | View Document |
| Any additional information | View Document |

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: B. At least 6 of the above

| File Description | Document |
|--|-------------------------------|
| Resources available in the institution for Divyangjan | View Document |
| Any additional information | View Document |
| link to photos and videos of facilities for Divyangjan | View Document |

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 36

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 10 | 11 | 06 | 06 | 03 |

| File Description | Document |
|---|-------------------------------|
| Number of Specific initiatives to address locational advantages and disadvantages | View Document |
| Any additional information | View Document |

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 12

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 04 | 01 | 04 | 02 | 01 |

| | |
|-------------------------|-------------------------------|
| File Description | Document |
| Report of the event | View Document |

| | |
|---|-------------------------------|
| 7.1.12 | |
| Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff | |
| Response: Yes | |
| File Description | Document |
| URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics | View Document |

| | |
|--|-------------------------------|
| 7.1.13 Display of core values in the institution and on its website | |
| Response: Yes | |
| File Description | Document |
| Provide URL of website that displays core values | View Document |

| | |
|---|-------------------------------|
| 7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations | |
| Response: Yes | |
| File Description | Document |
| Details of activities organized to increase consciousness about national identities and symbols | View Document |
| Any additional information | View Document |

| | |
|---|--|
| 7.1.15 The institution offers a course on Human Values and professional ethics | |
| Response: Yes | |

| File Description | Document |
|--|-------------------------------|
| Any additional information | View Document |
| Provide link to Courses on Human Values and professional ethics on Institutional website | View Document |

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

| File Description | Document |
|---|-------------------------------|
| Provide URL of supporting documents to prove institution functions as per professional code | View Document |

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 48

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

| 2017-18 | 2016-17 | 2015-16 | 2014-15 | 2013-14 |
|---------|---------|---------|---------|---------|
| 18 | 13 | 07 | 05 | 05 |

| File Description | Document |
|--|-------------------------------|
| List of activities conducted for promotion of universal values | View Document |
| Any additional information | View Document |

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

ISB&M School of Technology organizes national festivals and birth / death anniversaries of great Indian personalities. Students are given an opportunity to take inspiration from the eminent Indian personalities

like Shivaji Maharaj, Mahatma Gandhi, Vallabhbhai Patel, Savitribai Phule etc who has drawn great impact on social, political and spiritual essence amongst human life. Organizing birth / death anniversaries of eminent personalities promotes ethical values along with social reforms. The events organized in institute are as follows:

1. Independence day.
2. Republic day.
3. Gandhi Jayanti.
4. Women's day.
5. Savitribai Phule Jayanti.
6. Sardar Vallabh Bhai Patel Jayanti.
7. Chatrapati Shivaji Maharaj Jayanti.
8. Teacher's day in memory of Dr. Sarvepalli Radhakrishnan.

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

The institute maintains transparency in financial functions by providing financial information on institute website. The budget provision is made for technical events like Guest Lecture, Industrial visits, Technical workshops, Expert talks and other technical or non-technical activities. Institute disburse fund as per sanctioned budget for all kind of activities. Institute go for account's audit each financial year. Financial audits are done by third party who is a Chartered Accountant.

Academic calendar is prepared and displayed before commencement of academic session. Academic transparency is maintained by sharing Assignments, Lab Manuals, MCQs and Question banks with students through ERP. Every student has ERP Login ID and by using this student can get required details. The defaulter list is displayed on the notice board periodically. Continuous assessment is done and communicated to students regularly. Term work marks are displayed on Notice Board for maintaining transparency. Feedback from students, alumni, industries and parents are taken regularly and remedial actions are taken accordingly for the development of the Institute.

Parking facility is available for students, staffs and visitors. Auditorium and playground facility is provided for sports and cultural programs. Institution has active Quality Assurances and standard operating

procedure manual for Information of staffs and students which states various procedures about academics, Finance, Administration and Overall working of the institute.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

BEST PRACTICE - I

Title:

Paperless Campus initiative:

Objectives:

1. To Reduce number of waste papers.
2. To save natural resources.

The Context:

The Paperless Campus initiative has been undertaken to minimize the waste associated with these practices by identifying and making available workflows and technologies designed to reduce the need to use paper as a medium for transferring information.

The Practice:

Pulp and paper industry are one of the main players of deforestation. Globally, paper consumption increases by 3% every year. Currently, global paper consumption is around 350 million tons. The paper industry itself consumes 35% of all trees to produce paper. The Paperless Campus program is designed to reduce and remove existing paper documents stored within each department's physical repository. The program also outlines the evaluation of existing paper processes and workflows, which will result in the implementation of following:

Objectives:

1. Electronic solutions like mailing have been emphasized.
2. All the study materials and notes are provided to the students by mail. Distribution of notes, in form of hardcopies are avoided.
3. MCQ exams of students are conducted online by ERP software.
4. Notices and circulars are circulated among faculty members through mail.
5. Printouts are taken on already printed papers, by using the other blank side to make optimum use of papers.

Evidence of Success:

1. It has been observed that A4 sheets issued to the faculty members have reduced drastically as compared to the previous years.
2. Activity reports, records has been prepared on one sided papers.
3. Traffic on the internet of faculty members has been increased and this shows that our faculty members are adopting digital methods day by day.
4. Staff members, especially clerical staffs, have also started reading their mailbox to get updates with recent activities in the campus.
5. Records reveal that average usage of A-4 papers previously was around 45 rims in three months, but after using email as a communication media, it was observed that only 10 rims were used in three months.
6. According to a study, It takes a little more than half a tree to make a carton of 10 rims of A-4 pages. One tree makes 16.67 rims of A-4 papers, or 8,333.3 sheets. According to the study, we are saving minimum 140 rims in one year, which means that we have indirectly saved around 36 trees in one year.

Problems encountered and resources required:

Biggest hurdle in this approach was motivation. This was because, all of us had a habit of paper reading. With cooperation of staffs and faculty members, we made it possible. Moreover, to enforce this practice, IT team has extended great support which ensures continuous internet facility throughout the campus, round the clock. IT training was given to clerical staffs regarding use of emails, distribute data sheets etc which are used in day to day life.

BEST PRACTICE - II

Title:

Empowerment of villages through social initiatives and technologies.

Objectives:

1. To Empower Villages.
2. To inculcate social and civic responsibilities among students.
3. To instill innovative ideas for the upliftment of villages.

The Context:

Institute has taken several initiatives for the upliftment of nearby villages. NSS unit has been formed in the institute and adopted six villages and one Zilha Parishad School in Nande. Various activities are being conducted for enhancing the quality of education for the students of the school and for upliftment of the villages.

The Practice:

Most of the Indian population are still living in rural areas. There are large disparities between urban and

rural areas. Development of nation depends on sustainable growth of villages. Institute has taken several initiatives for the upliftment of nearby villages. Institute had proposed of adopting another five nearby villages under **Unnat Bharat Abhiyan** and the said proposal has been approved by **MHRD**.

Every year, seven days residential special camps are organized in Andgaon village. During the camp, students and faculty members contribute to the village development in consultation with the guidance of local authority. Institute has conducted workshop on "Computer Literacy" and organised training events for the students and teachers of Z.P. School. **Institute is paying salary of one faculty member appointed for soft skill training by Z.P. school Nande. Institute has donated Computer, LCD projector and other required stationary to the school.** Self defense training has been given to local women and girls of the village. Institute has conducted many awareness programmes such as liquor ban, Matdan Jagruti, Swacha Bharat Abhiyan and Road Safety etc. Seminars and Workshops on "Digital Awareness" and "Computer Literacy" were conducted. Monetary help is provided to needy families of the village.

Activities Conducted to Empower Villages:

- Food and stationary distribution to orphanage.
- Seminars and workshops on digital awareness and computer literacy.
- Road Safety awareness.
- Road construction for Andgaon village.
- Disaster management on Fire Safety.
- Sponsored salary of primary teacher.
- Computer, LCD projector and stationary donated to ZP School, Nande.
- Educating village children with interactive ideas.
- Awareness Camp for villagers on issues like health, drugs and liquor ban.
- Training to Z.P. School students and teachers
- Campaigning like "Save Girl Child", "Save Tree", "Save Water-Save Life", "Beti Bachao-Beti Padhao".

Evidence of Success:

- Villagers became more aware about their civic rights and responsibilities like voting and keeping their surroundings clean.
- Z P School students were made aware regarding the recent technologies.
- Communication skills of school students were improved.

- Social and civic responsibility among students was induced.

Problems encountered and resources required:

- Limitation to spare more time due to rigorous academic schedule.
- Few parents were reluctant in sending their wards for seven day camps.
- Limitation of financial support required from government and institution.

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7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

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.

Another out-of-the-crate target we try to induce in the mind of students is towards Entrepreneurship. In this cost aggressive and quick pacing world, where technological advances and materialistic things winding up to obsolete once in a while, we have to devise unconventional approaches to bolster the market with existing scope for new products. We ought to explore options that would build up another market or demography where products launched by our students are in demand.

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.

ISB&M 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".

We treat our students as partners in our success. We believe that students are capable of handling responsibilities, and if we are successful in raising their expectation and aspiration in life, we can be sure that they will strive hard towards achieving it.

We have JSR laboratory fully sponsored and sustained company in the campus. This mechanism is owned by our final year students along with other student members and is coordinated by the research cell of the Institution. This is a **distinguished** facility available in our campus to establish our students as global competitors.

We have active student associations such as - Association of Computer Engineering Students (ACES), Association for Computing Machinery (ACM) India, IEEE Students Branch (Bombay Section), Mechanical Engineering Students Association (MESA) and Electronics and Telecommunication Student Association (ETSA), American Society of Heating and Refrigeration & Airconditioning Engineers (ASHRAE) that triggers a series of events and activities towards the growth and development of students and indirectly will produce students as global leaders.

We try to recruit outstanding faculty members and educational leaders, who deeply care about their field, research and making an impact on student's mind and student learning outcomes. We do not look for teaching machines. We have the faculty members who have keen interest in knowledge and scholarship, those who have an interest in students and are themselves open to learning. We prepare, attract, and retain the best and brightest minds as faculty members.

Outcomes:

Many students are working with live project and undergoing internship.

After completing B. E. course the following alumni of our Institute are entrepreneurs:

- Milind (E&TC)
- Aditya Nikam (IT)
- Yash Mistry (CSE)
- Rahul Jaiswal & Hardik Patel (CSE)
- Atul Gawande (Mechanical)
- Siddarth Parlikar (Mechanical)
- Dattatray Metkari (Mechanical)
- Aditya Joshi (Mechanical)
- Harshal Rawal (Mechanical)
- Ambesh Vishwakarma (IT)
- Hardik Patil (Computer).
- Sumit Bagul (Computer).
- Sudhir Gore (Mechanical)

The following students got opportunity in foreign universities for their higher studies and this is outcome of our world class education.

- Milan Shingote
- Mohd. Faizal
- Rohit Jainapur

We encourage overall development of students as the result we have developed students activity center.

The various events are organized at different times by this center. For example, cricket match, quizzes

cultural activities and robotic competition.

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5. CONCLUSION

Additional Information :

SOT –School of Technology

NSS- National Service Scheme

SPPU - Savitribai Phule Pune University

IEEE- Institute of Electrical and Electronics Engineering

R&D – Research and Development

PAC- Placement Assistance Cell

IQAC – Internal Quality Assurance Cell

ICT – Internet and Communication Technology

PBL – Project Based Learning

CBCS – Choice based credit system

AMC- Academic Monitoring Committee

GFM-Guardian Faculty Member

HOD- Head of Department

CEO- College Examination Officer

GB- Governing Body

MoU – Memorandum of Understanding

Concluding Remarks :

ISB & M School of technology in its objective of becoming an Institute, initiated the activities to accomplish milestones in the process. Hence it is decided to get accredited and become autonomous to introduce recent pattern of courses on global standard make our students competent globally. Accreditation helps us to improve the different quality parameters and work on to achieve excellence in terms of quality with continuous improvement. Our institution is located in Lush green environment and having trained teaching & non-teaching staff members to disseminate technology amongst students. Our motto is to enrich knowledge, research attitude and Innovation skills of graduates to make them global level technocrats in real sense. The training and skill required to be a successful entrepreneur are inculcated among the students by entrepreneur Cell to fulfill the

'Make in India' vision of the nation. Our students will become well-educated leaders and global citizens excelling to address the challenges of the 21st century.

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