



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

D Y PATIL INSTITUTE OF ENGINEERING AND TECHNOLOGY

SR. NO. 124 126, A/P- AMBI, MIDC ROAD, TAL-MAVAL, TALEGAON
DABHADE, PUNE, MAHARSHTRA- 410506

410506

www.dypietambi.com

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

May 2019

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

D. Y. Patil Institute of Engineering & Technology (DYPIET), Ambi, Pune is an institution established in 2010 under the aegis of Dr. D. Y. Patil Educational Academy (DYPEA), Mumbai at the hands of Padmashree Dr. D. Y. Patil, Founder President DYPEA and Dr. Vijay D. Patil, President, DYPEA. The institute aspires to be a world class institution in the future near by. The institute offers five under graduate and two Post Graduate programs. The courses focus on holistic development while exploring the recent advancements in science and technology. With the state of art facilities, experienced faculty members and a homely hostel, DYPIET, AMBI is the technical institute being prevalently sought after.

D. Y. Patil Institute of Engineering and technology is approved by All India Council for Technical Education (AICTE), New Delhi and the Government of Maharashtra (DTE) and affiliated to Savitribai Phule Pune University (SPPU). It offers four years/Eight Semester Degree programs in five Engineering branches viz. Mechanical Engineering, Civil Engineering, Information Technology, Computer Engineering and Electrical Engineering and Two Years Post Graduation programs in Mechanical Engineering (Design Engineering) and Civil Engineering (Construction Management). The total intake capacity of the institute is 480 for UG and 48 for PG programs per year.

Our highly qualified and experienced faculties are guiding the students to contribute to take remarkable steps towards the Vision set by the institute. The institute is committed for overall development of all the enrolled students by providing them wings to explore academics, sports and ethnic culture.

Vision

To excel in technical education & strive for developing competent professionals to meet future challenges with social awareness.

Mission

- To impart quality technical education.
- To foster industry institute interaction.
- To strengthen co-curricular, extra-curricular and extension activities.
- To install ethical and moral values in budding engineers.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The institute is under the aegis of Dr. D. Y. Patil Educational Academy that runs 169 institutes educating over 50000 students every year and holds 4 decades of track record.
- The State-of-art infrastructure facilities including acoustically designed and ICT enabled classrooms,

well equipped laboratories, tutorial rooms, workshop, central library and hostels exclusively for boys and girls.

- Qualified and experienced pool of faculties with a good blend of industry and academia.
- Rigorous academic orientation that amalgamate theoretical and experiential learning in view of carving competent engineers for industry.
- The institute has strengthened NSS activity by encouraging organization of various activities in nearby villages in which students proactively participate and contribute for social cause.
- The institute has well maintained sports ground of 16079 sq. m. area, which promotes excellent sports culture for overall development of the students.
- The institute provides best arrangements of transportation to ensure the hassle free commute of students and faculties.
- For clean and green energy initiative, the institute has installed solar power plant, sewage and solid waste treatment plant.
- The institute has sumptuous cafeteria to cater the need of staff and students with ample seating capacity.
- Serene and spacious green campus located amidst Sahyadri range of Western Ghats, having proximity to Indrayani river bank.

Institutional Weakness

- The institute is remotely located.
- Consultancy in association with industry, funded research and in turn conversion into patents and publications.
- Lack of collaboration with foreign universities.
- Lack of awards, recognition to faculties at state, national and international level.

Institutional Opportunity

- Adopting with cutting edge technology and bridge the gap between industry and academia
- Take advantage of the industrial belt located in close vicinity for consultancy, placements, internship, centre of excellence etc.
- To strengthen the institute alumni and harnessing the network benefits
- Undertaking multidisciplinary projects with sister institutes and nearby industries.
- Establishment of Ph.D. research centre for Mechanical and Civil Engineering Programs.

Institutional Challenge

- Improvement in admissions
- Enhancing the technical skill set of the admitted students and make them industry ready
- Improving the average package of placed students and attracting reputed companies
- Fetching research grants from different funding agencies

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institute is affiliated to Savitribai Phule Pune University (SPPU), Pune. The curriculum is designed by the SPPU. The institute offers five Undergraduate (UG) and two Postgraduate (PG) programs. The institute follows academic calendar provided by SPPU, Pune. Institute/departmental academic calendars are prepared to run various academic activities of the institute/department. In order to complete theory syllabus within the prescribed time limits, monitoring of progress of syllabus coverage is undertaken at the mid and end of semester. Delivery of lectures by faculty members is periodically monitored by academic coordinator along with the Principal. Faculty feedback by students is collected through MyExamo web portal twice a semester. Students are exposed to industry through various technical guest lectures by eminent industrial resource persons, site visits and internships. Faculty members also contribute to the affiliating university by participating in various bodies in the form of syllabus revision, paper setting, subject chairmanship etc. Various social, economic and environmental issues are addressed in the curriculum by the affiliating university. Apart from curriculum, the institute organizes various value added courses like Barclays Employability Skill Development course, Ethnus Soft Skill Development course etc. for all round development of students. In order to improve the skill set of students through curricular and co-curricular activities, the institute has collected feedback from all stakeholders. The institute conveys the outcome of these feedbacks to the university for the future enrichment in the curriculum.

Teaching-learning and Evaluation

The institute adheres to the rules and regulations of Savitribai Phule Pune University (SPPU) and complies with admission norms of DTE, Maharashtra. The institute provides equal opportunity to the students without discrimination of caste, religion, gender, localities. The admitted students are assessed by faculties for academic performance using well defined policies to identify bright and weak learners. Faculties assess the level of student and accordingly work on each student for improvement through various conventional and contemporary teaching learning methods. The students are exposed to industrial and project based learning through various technical and social activities, which helps to boost their confidence for futuristic and sustainable professional growth. Special training program with industrial MoUs for professional development to improve employability skills are regularly conducted. The institute's invigorative environment with modern facilities paves the way for self-learning, independent thinking and career building for the aspiring students. Qualified and experienced faculties are appointed as per UGC norms and are encouraged to upgrade and update their knowledge by participating in various activities/programs. The proactive pool of faculty members takes keen interest in overall development of students through extensive use of digital platform and other recourses. Internal Quality Assurance Cell (IQAC) plays a key role in the implementation and monitoring of academic activities. The institute has adopted innovative transparent and robust digital platform to assess and evaluate the progress of each student. This platform helps to evaluate the program in-line with COs, POs and PSOs. Institute has well defined mechanism to address the examination related grievances adhering to the rules and regulation of SPPU.

Research, Innovations and Extension

The institute has created an ecosystem for creation and transfer of knowledge through various means like Intellectual Property Rights (IPR) awareness programs, research promotion policies, internships, BAJA (national level competition), industrial visits, MOUs, visits by eminent personalities, national level project competition etc. Student chapters of national and international professional bodies like SAE, CSI and ISHRAE are functional in the institute. Every year the institute organizes TEXCELLENCE, the university level technical competition comprising of paper presentation, model making, robotics, coding etc. The institute has policies to promote research culture through financial assistance for state, national and international publications,

recognition/ awards etc. The faculty members have been publishing technical articles in national/international journals and conferences. Institute faculties and students received letter of recognition for research project from various municipal corporation. National Service Scheme (NSS) and Women's Welfare Club (WWC) enhances cognizance of the students towards society. The institute organizes one-week winter NSS special camp every year in the nearby villages named Urse, Pawanagar, Kothurne and Shivali in Maval Tehsil of Pune District. Besides NSS and WWC teams, students from various departments are also involved in extension activities like streetplay, rallies, safety awareness, helping farmers etc. To provide hands-on exposure to the students, the institute arranges the industrial visits and promote students for internship, on-job training, industry sponsored projects etc. For making collaborative endeavour impactful, the institute has signed number of MOUs with various industries.

Infrastructure and Learning Resources

The institute has adequate infrastructural facilities in the form of instructional and administrative areas, amenities etc. as per AICTE guidelines. The management & the institute have always created a niche for itself in the field of sports. The institute has a state of the art sports ground where state level matches are being played. The institute has classrooms equipped with ICT facilities. For effective teaching learning, the institute also has smart classroom and seminar hall. The expenditure of the institute on infrastructural augmentation is significant. The central library uses KOHA software for day-to-day activities. It has an access to National Digital Library and subscription to various e-resources. The annual expenditure of the institute on the library is around 15 lacs. Institute has a leased line of 155 Mbps bandwidth. The IT cell of the institute takes care of the hardware and software upgrades, installation & maintenance of Wi-Fi routers etc. The institute uses the ERP system for effective and automated administration. The institute spends substantial amount every year on maintenance of physical and academic support facilities. The institute has outsourced the house keeping facility to a third party contractor. The technical staff at the departmental level carries out routine maintenance of equipment in all laboratories, while in some cases it is referred to the sales & service department of the equipment manufacturer or a service provider. A dedicated team is employed for the maintenance of sports ground.

Student Support and Progression

The students of the institute belong to different financial backgrounds. More than half of the enrolled students of the institute are benefitted by the scholarships and freeships provided by the government. Competitive examination guidance cell encourages students to opt for civil services and higher education by arranging seminars on career guidance & competitive examinations like GATE, GRE, TOEFEL, public service commission etc. The institute provides the necessary resources along with financial supports to the students for participating in technical activities like BAJA, MTA Certifications, Red Hat Certifications, etc. Also various schemes are implemented and special sessions are carried out in the campus for the overall development of the students. Dedicated Training and Placement Cell looks after training and placement activities. A robust mechanism to handle student's grievances is provided in the form of Internal Complaint Committee (ICC) & Anti Ragging Committee (ARC). The institute provides the necessary facilities to improve the sports skills among the students. It also organizes the annual cultural gathering 'AMEDHYAM' and technical event 'TEXCELLANCE' along with 'VIJAY 2K' Sports Trophy every year which helps in improving the team spirit & skill sets. NSS team contributes to the society by conducting various activities like swatch bhara abhiyaan, blood donation camp, women empowerment program, etc. in nearby villages. The alumni are invited for a meet once in a year and their suggestions are pivotal in formulation of policies.

Governance, Leadership and Management

The leadership of the institute is consistently putting efforts to impart quality technical education to the students. The Principal and Heads of various departments carry out variety of activities to foster the practical knowledge of the students through industry interactions. The institute decentralizes the authorities and powers adhering to hierarchical structure. Different committees are formed at institute level for smooth and effective conduction of various academic activities. A five year strategic plan focusing on the future development has been prepared by the institute. Consistent and collaborative efforts are being made by the institute to implement the strategic plan. The institute makes sure that employees get all the benefits meant for them. The performance of each employee is reviewed at the end of every year by means of appraisal mechanism. Faculty members are promoted to participate in different professional development programs such as technical conferences, workshops and training courses by providing financial assistance. The institute has Internal Quality Assurance Cell (IQAC) which contributes significantly in the overall development of the students and faculties. Various activities are planned and implemented in proper manner by IQAC. The remarkable initiatives by IQAC in the recent past are successful implementation of industrial internship program, mentor-mentee system and digitalization of course files. The institute reviews its financial transactions regularly by conducting internal and external financial audits to ensure transparency. A well-defined system and procedures are adopted for effective and proper channelization of the funds.

Institutional Values and Best Practices

The institute is committed towards social responsibility and adheres to ethical and professional values. The core values and code of conduct of the institute are displayed on the institute website. In order to maintain women's safety and security in the institute premises, CCTV cameras are installed and security personnel have been deployed throughout the campus. Internal Complaints Committee is operational in the institute to address various grievances. The institute has solar power plant, solar water heating system, solid waste disposal, sewage treatment plant to address various environmental issues. The transport facility for students and staff, pedestrian friendly roads, tree plantation, paperless office etc. is some of the green initiatives by the institute. The physical facilities like lifts, ramps, rest rooms etc. are provided for differently-abled students. The various social activities like health surveys, health check up camps, blood donation camps, career guidance programs, street plays, tree plantation etc. are organized by students of the institute. In order to reduce the burden on the faculty members, Digital Course File (DCF) is used as a helpful tool by making automation of the assessment process. Dr. D.Y. Patil Technical Campus has been awarded with state level first prize "Chhatrapati Shivaji Maharaj Vanshree Puraskar" in 2016 for green initiative by Government of Maharashtra. The institute is promoting sports culture by providing state of the art sport stadium and related facilities.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	D Y PATIL INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	Sr. No. 124 126, A/P- Ambi, MIDC Road, Tal-Maval, Talegaon Dabhade, Pune, Maharashtra-410506
City	Pune
State	Maharashtra
Pin	410506
Website	www.dypietambi.com

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Professor	Kiran Dattatraya Devade	2114-302029	9921512503	-	principal.dypiet@dypct.edu.in
Principal	Laxman Vitthal Kamble	02114-306229	9011014066	-	laxman.kamble@dypct.edu.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	No

Establishment Details				
Date of establishment of the college		13-07-2010		
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	04-04-2018	12	Continued every 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	Sr. No. 124 126, A/P- Ambi, MIDC Road, Tal-Maval, Talegaon Dabhade, Pune, Maharashtra- 410506	Urban	40	11521

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,Mechanical Engineering	48	HSC CET	English	120	31
UG	BE,Civil Engineering	48	HSC CET	English	60	46
UG	BE,Electrical Engineering	48	HSC CET	English	60	34
UG	BE,Information Technology	48	HSC CET DIPLOMA	English	120	45
UG	BE,Computer Engineering	48	HSC CET DIPLOMA	English	120	90
PG	ME,Mechanical Engineering	24	BE BTech GATE	English	24	14
PG	ME,Civil Engineering	24	BE BTech GATE	English	24	16

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	10				20				64			
Recruited	1	0	0	1	3	1	0	4	34	30	0	64
Yet to Recruit	9				16				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				26			
Recruited	0	0	0	0	0	0	0	0	20	6	0	26
Yet to Recruit	0				0				0			

Non-Teaching 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				16
Recruited	11	5	0	16
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				17
Recruited	15	2	0	17
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.	1	0	0	3	1	0	0	0	0	5
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	54	36	0	90

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
PG	Male	22	2	0	0	24
	Female	4	2	0	0	6
	Others	0	0	0	0	0
UG	Male	969	128	0	0	1097
	Female	224	22	0	0	246
	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	46	43	37	35
	Female	11	15	7	5
	Others	0	0	0	0
ST	Male	2	3	4	3
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	94	81	87	76
	Female	16	17	13	11
	Others	0	0	0	0
General	Male	205	220	224	183
	Female	35	40	48	36
	Others	0	0	0	0
Others	Male	30	45	66	47
	Female	13	3	7	4
	Others	0	0	0	0
Total		452	467	493	400

3. Extended Profile

3.1 Program

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

Response: 532

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
7	7	7	7	6

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1342	1334	1385	1166	1088

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
331	342	335	311	259

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
278	262	330	224	152

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
95	103	98	117	112

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
94	120	116	112	108

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 25

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

2017-18	2016-17	2015-16	2014-15	2013-14
485.98	463.54	388.44	246.29	244.07

Number of computers

Response: 330

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:

The Institute is affiliated to Savitribai Phule Pune University (SPPU), Pune. The curriculum is designed by the SPPU. The institute offers five Undergraduate (UG) and two Postgraduate (PG) programs. Credit System has been fully implemented in UG as well as PG programs. Evaluation scheme specifies marks allotted for theory, practical, oral and term-work. For first and second year students Online and End-semester examinations are conducted for 50 marks each. While for third and final year students, In-semester and End-semester examinations are conducted for 30 and 70 marks respectively. Performance of students in practical and oral examination is evaluated by external examiners appointed by SPPU. Term work evaluation is based on continuous assessment.

Academic calender for each semester is provided by SPPU, Pune. Academic Co-ordinator prepares the academic calender of the institute in consultation with the Principal. As per the academic calender of the institute, each department prepares its own academic calender. At the end of each semester, faculty members are asked to submit choice of subjects to be undertaken in the forthcoming semester. Time table for individual faculties, classes and laboratories are prepared by departmental time table coordinator which is duly approved by HOD and Principal. The faculty members are allotted the subjects based on preferences given by individual faculties. As far as possible, expert faculty members are assigned relevant subjects for teaching as per their area of specialization.

Faculty members prepare a comprehensive course file including teaching plan, individual time table, academic calender, past university question papers, assignments, term test question papers, unit wise notes and PPTs. Lab in-charges prepare respective lab manuals for smooth conduction of practical sessions prescribed by SPPU, Pune. The feedback of teaching faculty from students is taken through Enterprise Resource Planning (ERP) software. Lectures of faculty members are periodically monitored by academic coordinator along with the Principal. The Principal and Head of departments (HODs) also take oral feedback from the students. Faculty members with average feedback are encouraged to improve their teaching through counselling.

An innovative approach is implemented through Digital Course File (DCF) to strengthen the outcome based teaching learning process. The DCF encompasses subject and faculty details, batch-wise student details like name and roll number, CO and PO details, term-test marks, bright and weak students, evaluations of assignment and term-test marks, theory attendance, and performance of students. Bright and weak students are identified automatically using DCF with reference to a bench mark set by user. Remedial classes are arranged for weak students. In each semester, a comprehensive result analysis is carried out and marks of individual student are entered in DCF. These parameters are interconnected to each other in a systematic and methodological approach in order to arrive at attainment of COs and POs.

In order to complete theory syllabus within the prescribed time limits, monitoring of progress of syllabus

coverage is undertaken at the middle and at the end of each semester. Students are exposed to industry through various technical guest lectures by eminent industrial resource persons, site visits and internships.

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: 62

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
24	17	8	7	6

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Details of the certificate/Diploma programs	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: 0

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
0	0	0	0	0

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: 42.86

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

Response: 228

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: 100

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

Response: 7

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Minutes of relevant Academic Council/BOS meetings.	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: 42.73

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
1283	884	259	211	163

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

The contemporary syllabus has incorporated few cross-cutting issues through courses such as Environmental Engineering, Industrial Management, and Soft Skills etc.

Gender

SPPU has included a compulsory course titled Soft Skills for each program at second year level which makes students aware about gender equality. It makes students aware about social, moral, and legal implication of gender discrimination. It enables students in their professional life to work together in an atmosphere free of gender violence, sexual harassment, and gender discrimination.

Environment and Sustainability

Elective courses are introduced by SPPU in the final year of different programs to incorporate the issues regarding environment and sustainability.

Green IT is an elective course included in the curriculum of BE (IT), narrates to Environment and Sustainability. The course creates cognizance among stakeholders and promotes green agenda and green initiatives in the working environment leading to green movement.

Some of the core courses of BE (Mechanical), such as, Energy Audit and Management, Power Plant Engineering, Refrigeration and Air-conditioning, Applied Thermodynamics etc. focus on design and development of several Mechanical systems in the energy efficient manner. These courses also enable students to study various pollutants of air emitted by mechanical systems and their control leading to improved quality of air.

Civil Engineering program includes different subjects related to Environmental engineering such as Basic Civil & Environmental Engineering, Air Pollution, Dams and Hydraulic structures, Environmental Engineering, Fluid Mechanics.

Final year students are motivated to undertake projects which address varied issues viz. green energy, biogas, solar energy, pollution control, water management, agricultural electronics, etc.

Human Values and Professional Ethics

A course on Skill Development on Human Rights Education is made mandatory. As far as professional ethics are concerned, the departments undertake various activities like traffic awareness programs, blood donation camps etc. under Audit Courses.

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: 15

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

Response: 15

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: 33.68

1.3.3.1 Number of students undertaking field projects or internships

Response: 452

File Description	Document
List of students enrolled	View 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
Any additional information	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View 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: B. Feedback collected, analysed and action has been taken

File Description	Document
Any additional information	View 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: 4.65

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
33	67	79	52	61

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: 60.41

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
452	467	493	400	366

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
697	791	776	728	613

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[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: 61.72

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
212	207	207	212	140

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:

The institution has well defined structure and policies through which it assesses the learning levels of the students. After, the admission process is over, an induction programme is organized by college for newly admitted students to disseminate the institute academic policies and academic culture. Formation of divisions is based on statistical analysis of CET Scores and HSC marks. The institute follows a Mentor Mentee system known as Guardian Faculty Members (GFM) scheme through which 15 to 20 students are allotted to each faculty member. One of the objectives of GFM scheme is to identify the advanced and slow learners in order to nurture and edify them through personal counseling and well defined procedures as described below:

Conduction of Pre-requisite Test

Each faculty member conducts this test to analyze the fundamental knowledge of a student which is primary requirement to understand the subject. Fundamentally slow learners are guided to improve their concepts through extra classes. Whereas students having better fundamental concepts are stimulated to advanced and recent technology through mini projects, lab practices beyond syllabus, providing exposure to industries etc.

Use of MYEXAMO Portal

The first and second year students have to appear for ONLINE examination as per SPPU teaching scheme. In concurrence with this institute has hired the facility for conduction of MOCK ONLINE test. Based on

obtained result remedial classes are conducted for slow learners.

Regular Class Test

By conducting mandatory tests of the subject namely Term test-I & II, faculties and GFM identifies level of students from their performance. Systematic performance analysis helps to identify slow learners who are stirred to take retest for improvement.

The records obtained from these tools are analyzed through Digital Course File (DCF), not only to identify their learning level but also to revise teaching learning process.

The identified advanced learners are fostered through special programs such as:

- Organizing departmental level/Institute level certified training programs of their interest
- Providing facilities to participate in National/International level competitions
- Encouragement to take up Mini projects of their interest
- Offering Industrial training/internships
- Conduction of value added certificate courses on recent technology
- Career guidance through Competitive Exam Guidance Cell
- Promoting students to enroll for NPTEL courses through NPTEL Local Chapter

The identified slow learners improve their performance through special programs such as:

- Taking extra/remedial classes beyond college hours
- Taking regular academic feedback through counseling session by GFM and class /subject teachers
- Project/model based learning methods
- Providing encouragements for small achievements and moral support
- Specially designed simple assignments and personal counseling based on evaluation for performance improvement
- Mock practical

Apart from this, Institute offers equal opportunity to all the students at large by providing platform to build Lifelong learning skills through various participative extra and co-curricular activities.

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

2.2.2 Student - Full time teacher ratio

Response: 14.13

File Description	Document
Any additional information	View Document

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:

The institute is committed to ensure the holistic development of the students through a student-centric learning process. The departments adopted the following strategies to make learning more effective and realistic.

Experiential Learning module

Internships

Institute encourages students to take up internship during their vacations. Last year 70 students from various disciplines have gone through internship training program in various industries, such as

- Indian Railway, Bihar
- Force Motor, Pune
- JCB, Pune
- Reliance Power, Mumbai
- Varroc Engineers, Pune
- Benteler Automotive India, Pune
- L & T, Pune
- NPCL, Location
- ITD Cementation India Ltd., Mumbai
- Mobilcloud Technologies Pvt.Ltd, Pune
- Kwiqpick Services , Bengaluru
- Thermal Power Station, Paras
- HVDC Terminal Station, Padghe

Industry Visits

Industry visit is a part of the curriculum, wherein students visit companies, plants, project sites and gain the insight of the actual working of the industries. Following are few examples of companies/plants/project sites visited by students and faculties:

- Pawana Hydro-Power station, Maval
- Mahindra and Mahindra, Pune
- Ice-age Cold Storage, Pune
- Mineral Museum, Nashik
- IITM, Pune
- C-DAC, Pune
- GMRT, Pune
- MSLDC, Thane
- RIL Thermal Power Station, Dahanu

Training Program

To expose the students to industrial practices, each department organizes module based training programs on life skills, recent technologies & professional development. Here are the few sample programs

- CATIA
- Hit Office
- Latex
- MTA
- Android
- PLC
- PCB Designing
- Motor Rewinding

Laboratory work and Final Year Project

Institute has invested around Rs. 3.5 Crores for laboratory development which includes major equipment like

- Petrol & Diesel Engine Test Rig
- Brake and clutch Test Rig
- Vibrometer
- Shock Absorber Trainer
- Hydraulic & Pneumatic trainer
- Profile Projector
- Total Station
- UTM
- Thermal Camera
- Power Analyzer

Software tools like

- Solidworks
- ANSYS

- MasterCAM
- LabView
- Hit Office
- Matlab
- PLC and SCADA

Participative Learning Module

Guest Lectures, Seminar & Workshops, Conferences

Each department arranges guest lectures and seminars on recent advancement in technology. Institute invites resource person from industry and academia. The institution supports for organization of certificate courses for skill development.

Competitions and Gathering, Social Activity

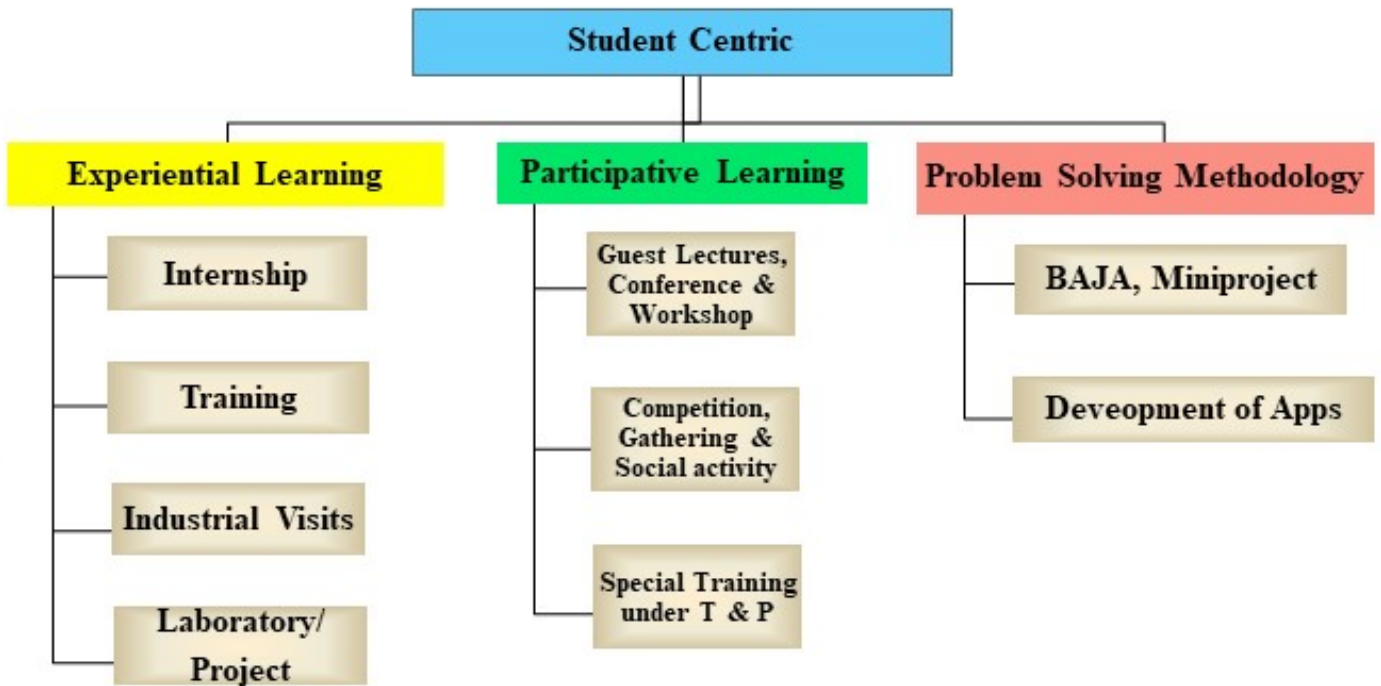
The institute supports students committee in organizing intercollegiate annual technical event named “Texcellence” and annual cultural gathering “Amedhyam”. Mega sports event is the hall mark of DYPIET where many indoor as well outdoor sports competitions are held. Social and environmental issues are addressed through NSS activities.

NPTEL & Special Training

Financial rewards are offered to students and faculties on successful completion of various NPTEL courses. For aptitude training and skill development of students, the institute has signed MoUs with BARCLAY (USA), Ethnus, and TIMES etc.

Problem solving methodologies

Students are encouraged and financially supported to participate in various national level technical competitions like BAJA, design and implementation of Software/Apps etc. Students work on projects/model building/simulation in the form of design and fabrication of some systems.



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: 95

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: 18.38

2.3.3.1 Number of mentors

Response: 73

File Description	Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

Institute envisages achieving excellence through number of linked activities which is blend of conventional and contemporary academic practices. The institute has adopted participatory, experiential learning and problem solving methodologies as described below.

Interactive Teaching learning approaches:

Along with conventional chalk & talk method, the institute concentrates on various interactive teaching learning methods such as:

- Conduction of workshops,
- Value added training programs,
- Conferences,
- Industry sponsored projects,
- Industry expert talks,
- Guest lectures,
- Academic Expert sessions
- Discussion of objectives/subjective questions for competitive examinations
- Panel discussion

Faculties are encouraged to upgrade and update the knowledge and teaching skills by participating in Faculty Development Program (FDP), conferences, workshop, and seminars.

Model/Project based learning:

Faculty involves students in designing various conceptual prototype models for understanding of difficult/challenging systems/concepts. This activity includes simulation, project and seminar activity which instigates students for advance learning, improves problem solving skills, critical thinking abilities, and creates confidence for self-directed learning. It also helps in measuring the development of imagination and creativity among students. E.g. Design of Resonance racing vehicles (BAJA), Ship model for metacentric height, rolling, pitching etc. Students are encouraged to participate in national and international technical competition. UG and PG students are encouraged to undertake industry sponsored and research based projects.

Experiential and Co-operative learning:

Under this students are encouraged and guided

- To make mini projects, present seminar, participate in curricular, co-curricular competitions
- To take industry sponsor project as a group/team activity
- By assigning portfolios in various institute level event organization for improve skill sets
- To participate in campaigning for social cause, addressing societal issues e.g. NSS activity at institute level

For understanding present industrial scenario and requirement, institute provides exposure and opportunities to students e.g. Industrial visits, Student chapter, NPTEL Local Chapter, Industrial Training / internship

ICT based teaching:

Faculty involved in imbibing fundamental knowledge for prosperous professional career of students through differentiated instructions such as

- Use of ICT based technology for learning through educational videos and images, PPTs, language labs, smart class rooms, Wi-Fi enabled campus etc.
- Transferring fact-based ideas and deep understanding with the use of software tools, simulation model and artifact for the kinesthetic learning during practical sessions

Close monitoring and assessments:

Institute follows closed monitoring system through

- Academic monitoring committee
- Class teachers
- GFM
- Interaction with parents and industry and collecting feedback from them

Institute uses a digital platform for unbiased and robust assessment tool named as “Digital Course File (DCF)” to help in identifying level of students through methodical evaluation process.

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: 95.91	
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: 4.04				
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
5	4	4	4	4
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: 8.09	
2.4.3.1 Total experience of full-time teachers	
Response: 768.5	
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:** 3.81

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
2	1	1	0	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:** 9.41

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	11	10	10	7

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:**

The institute has implemented a unique methodology called Digital Course File (DCF) for Continuous Internal Evaluation. For CIE through DCF various assessment parameters like assignments, term tests,

practical assessments, mock viva and term work evaluation are used. The grades obtained by individual student during the assessment are entered in DCF which helps to evaluate overall performance of the student and identify weak and bright students. DCF also help for assessing the term work marks.

Methods adopted for CIE

- **Pre-requisite Test**

Each faculty member conducts pre-requisite test to analyze the fundamental knowledge of a student which is primary requirement to understand the particular course.

- **Assignment series**

Assignments are designed in-line with the Course Outcomes (COs) defined for particular course. The students submit three assignments per subject per semester as and when particular part of syllabus is covered by the faculty. Assignments help them to concentrate in class and motivate them to study.

- **Test Series**

Two term tests in a semester cover the entire syllabus and are in-line with the Course Outcomes (COs). The students having poor performance appear for retest. Faculties guide the students for improvement in their academic performance based on assessment and evaluation of assignments and tests.

- **Practical assessment**

After successful completion of the experiment students are given a week to complete the write-ups and submit it before performing the next experiment. Faculty in-charge regularly assesses the write ups written by students for individual grading. After each practical understanding of students is judged by oral and based on the performance, weak students repeat experiments at the end of the semester in make-up session. Mock practical examinations are conducted to prepare the students for university practical examinations.

- **Mock Online Examination**

As per SPPU syllabus FE and SE students are required to appear for ONLINE MCQ based examination covering first four units. To help student prepare for ONLINE examinations, Institute has signed MoU with third party Software Company *Think Quotient Software Pvt. Ltd.* for the “MYEXAMO” portal. Varieties of multiple choice questions are designed by faculty in-charge and uploaded on this portal to conduct the mock test. “MYEXAMO” provides complete assessment and evaluation of each student quickly.

- **Seminar and Project**

Students are guided by the faculties for seminar and project topic selection. To ascertain the progress of project work log book is monitored by the project guide. The progress review presentations are arranged periodically for evaluation of project and seminar.

- **Mentor mentee System (GFM)**

The guardian faculty members play crucial role in the continuous evaluation of the batch of students

allotted through personal counseling and periodic review of academic progress of students along with other objective tools for continuous evaluation.

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:

Mechanism of internal assessment: frequency and variety

Internal assessment is carried out using variety of parameters as follows.

- Pre requisite test
- Assignment
- Tests
- Practical Assessment
- Seminar Evaluation
- Project Evaluation

The frequency of above parameters except prerequisite test are decided as follows,

- **Pre requisite:** It is conducted once in a semester per course for all the programs. Answer key of MCQ and marks are displayed on notice board for information and self-evaluation.
- **Assignments:** Total three assignments are conducted during semester for each subject covering all CO's Assignments submission schedule and marks are displayed on the notice board.
- **Tests:** Total two tests are conducted during semester for each subject covering all CO's. Model answer sheets as well as marks are displayed on notice board and solution is discussed with students.
- **Attendance:** Theory and Lab attendance is also linked with internal assessment.
- **Practical Assessment:** Batch wise lab performance of each student is assessed per week per experiment based on their viva, experimental observation and calculation followed by conclusion, and lab attendance is also considered.
- **Seminar Evaluation:** Presentations are scheduled twice per semester and evaluated based on novelty, literature review, content development, understanding, quality of presentation, response to questions.
- **Project Evaluation:** Presentations/Demonstrations are scheduled twice per semester and evaluated based on innovativeness, literature review, quality of design, team work, contribution to knowledge, progress, questions answers.

Internal assessment is done through one to one interaction with students for prerequisite test, assignments,

tests, & practical assessment for term work marks to maintained transparency. Seminar & project assessment, practical examination performance assessment is done externally which is transparent.

Robustness in internal assessment

- Internal assessment carried out with above parameters is validated further for robustness.
- Grievances (if any) in displayed answer key for MCQ based pre requisite test is rectified for reassessment and elaborated answer key with fundamental concepts are displayed.
- Retest mechanism is in place for performance improvement in term tests. Marking scheme is designed and displayed for students for self-evaluation.
- Assignment schedule is strictly followed and evaluated by one to one interaction.
- Based on regular practical assessment, term work marks for SE and TE are calculated internally. For BE the practical and term work assessment is done by university appointed external examiner. For SE/TE/BE subjects having practical/oral examination, marks are given by university appointed external examiner and internal examiner after the examination.
- Seminar and project assessment for progress and improvement is done internally on regular basis through scheduled presentation and demonstration in presence of faculty members and students. Final assessment is done by university appointed external examine

Variety	Frequency	Transparency	Robustness
Pre-requisite Test	1/Semester	Answer-key display	Elaborated answer key
Assignment	3/Course	Marks display	Interaction based evaluation
Internal Tests	2/Course	Marks display	Retest
Practicals assessment	Per Week	Regular assessment	Interaction based evaluation
Seminar	2/Semester	Review and progress	Panel presentation
Project	2/Semester	Review and progress	External Examiner based assessment

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:

For smooth conduction of University examinations, the institute has established separate examination section and College Examination Officer (CEO) is appointed for conducting all SPPU examinations. Online, In-semester, End-semester and Oral / Practical examinations are conducted as per the guidelines of

SPPU. The institute ensures an effective implementation of ordinances, rules and regulations related to examinations laid down by SPPU.

Grievance mechanism

The grievances about Online, In-semester, End-semester and Oral/Practical examinations are forwarded to SPPU authorities through CEO. Based on viability of grievances received, Board of Studies (BoS) suggests corrective measures through SPPU authorities. These grievances includes

Inadequate data in question papers

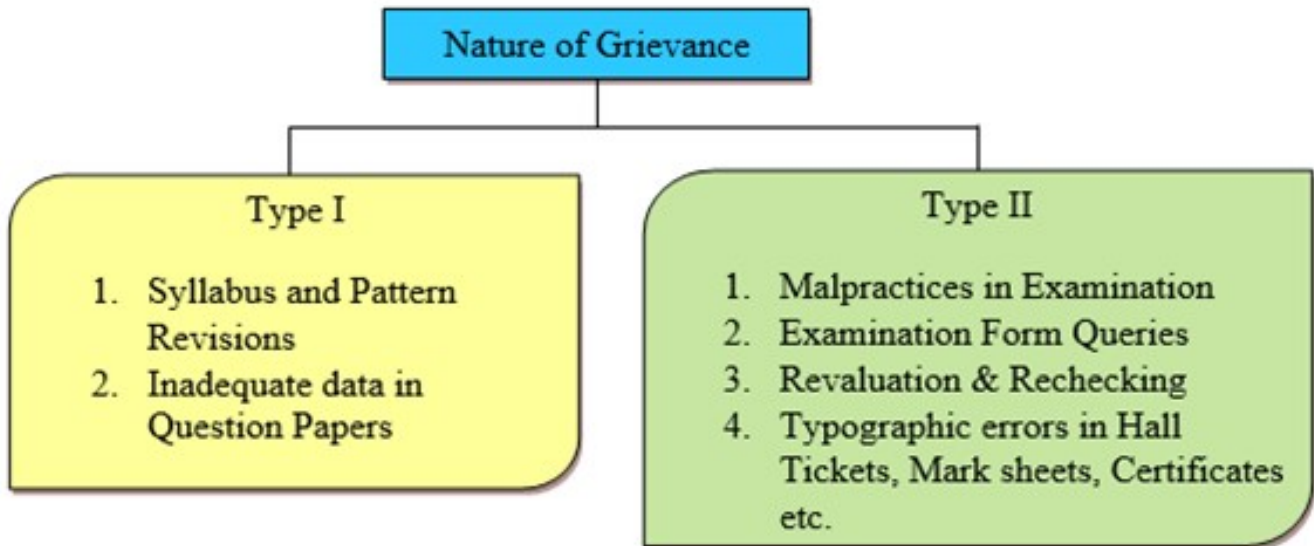
- Out of syllabus questions
- Malpractices in examinations
- Examination form queries
- Revaluation and rechecking
- Typographic errors in hall tickets, mark sheets, certificates etc.

All such grievances are routed through following steps

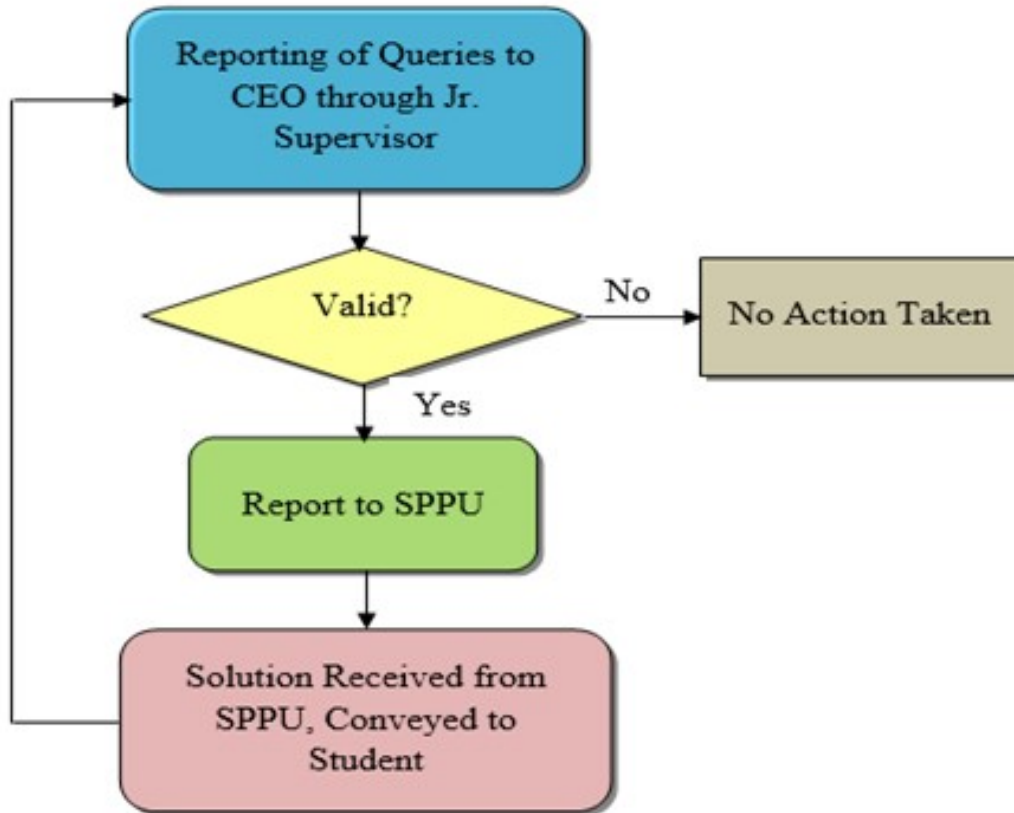
- Students report the grievance to HoD in writing
- HoD checks the viability of the grievance/ complaint and forwards it to Principal
- Principal forwards the same to CEO after discussion with HoD and concerned student
- CEO then forward it to SPPU through student section for redressal and necessary action
- Question paper related grievances are forwarded to concern BoS and BoS then suggests corrective measures to institute/Centralized Assessment Program (CAP) centre through SPPU authority.
- Typographic and examination related grievances are handled by Controller of Examinations (CoE), SPPU and corrected proofs are presented to institute.
- Students apply for revaluation and verification of marks. The University provides the photocopy of answer books to students on demand. After receiving photocopy of answer-sheet if student wants he/she can apply for reassessment of answer book. The faculty verifies the photocopy and suggests the students for revaluation if necessary.
- Examination related malpractice grievances are handled by committee formed at university level under CoE, SPPU. This adhoc committee issues summons to concern student and he/she is given a chance to defend his/her case in front of the committee. After completion of the enquiry, the committee recommends the appropriate action which is informed to the institute and the student for adherence.

For time bound resolution of all above grievances the institute completes the procedure of applying grievances well within the stipulated time suggested by SPPU.

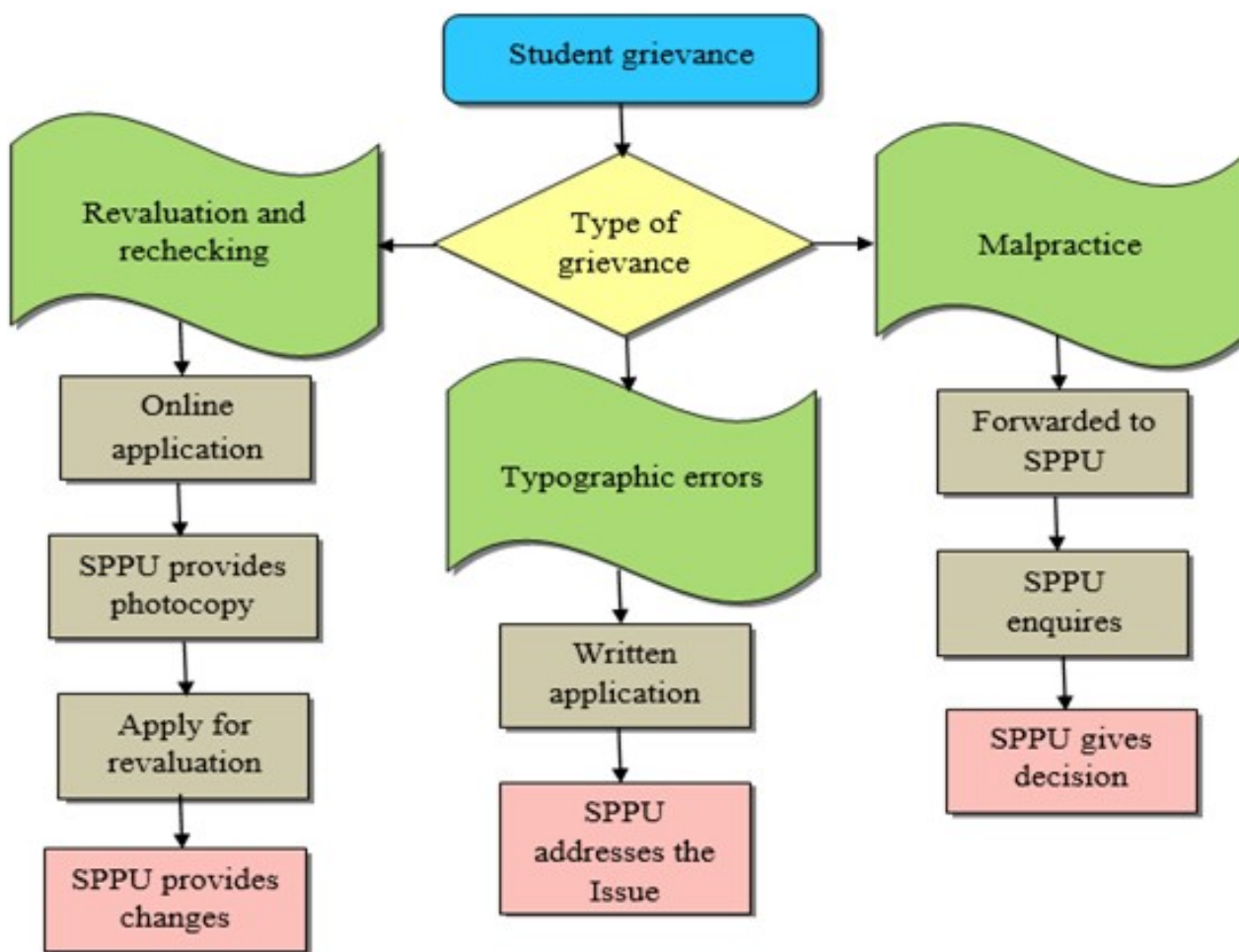
For internal examination grievances students can contact their respective subject teacher or HoD to sort out the issue.



Mechanism for Type I Grievance



Mechanism for Type -II Grievance



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:

In the Institute, Professor In-charge - Academics and academic monitoring committee in consultation with Internal Quality Assurance Cell (IQAC), prepares an institute’s academic calendar in line with SPPU mainly focusing on outcome based teaching learning methodology and its implementation. Based on institute’s academic calendar each department prepares its departmental calendar which is also helpful for continuous internal evaluation (CIE). Academic calendar is disseminated among students and faculties by displaying it on websites and notice boards.

Institute academic calendar includes following:

- Commencement and conclusion of teaching
- Internal and SPPU Examination schedule
- Students feedback for faculty evaluation
- Parents meets seeking feedback for evaluation and improvement
- Midterm and end term submission schedule for timely assessment
- Holidays as per circular from SPPU

Departmental calendar includes

- Prerequisite test
- Term test
- Assignment
- Industrial visit
- Seminar and Project

Before the commencement of teaching subject teacher prepares course handout of their subject which includes, Course Objectives, Course Outcome and Program Outcome, CO-PO mapping, CO-PSO mapping, CO Weightage, lesson plan etc. Subject teacher adhere to the implementation of lesson plan as per the academic calendar. Regular meetings of all the departmental academic coordinators are called by Professor In-charge – Academics to review the syllabus coverage for examinations at different stages (online phase I & II, in-semester, end-semester, oral/practical) as stated by SPPU and act upon any shortfalls.

The semester begins with prerequisite test followed by commencement of class room sessions. All students submit assignments and appear for term tests as per academic schedule. First and Second year students also appear for mock online test, a week before SPPU online examination. Seminar reviews for third year students are arranged twice in the particular semester. Project progress reviews are scheduled for final year students twice per semester as per departmental academic calendar. Mock oral and practical of all students are planned after the conclusion of teaching. Laboratory plan is prepared as per academic calendar and practical are completed. The write ups are assessed on weekly basis. Mid-term and end-term reviews are planned before final submission of journal for term work evaluation. Due to delayed admission process a separate time table is prepared for direct second year students to complete the syllabus within stipulated time period.

In line with the academic calendar DCF assists for internal evaluation. DCF is reviewed twice per semester for internal evaluation parameters well mapped with academic calendar. It helps for impartial and time bound evaluation of students.

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:

Institute has stated Program Outcomes (PO), Program Specific Outcomes (PSO) and Course Outcomes (CO) for all programs. The Program Outcomes specified by the Accreditation Board for Engineering and Technology (ABET) is followed by Institute. Individual faculty contributes towards design of COs for particular course and PSOs are formulated at departmental level with contribution of all faculties. The program specific outcomes and course outcomes are designed to accomplish and assess the students learning needs.

It is displayed on website and communicated to teachers and students.

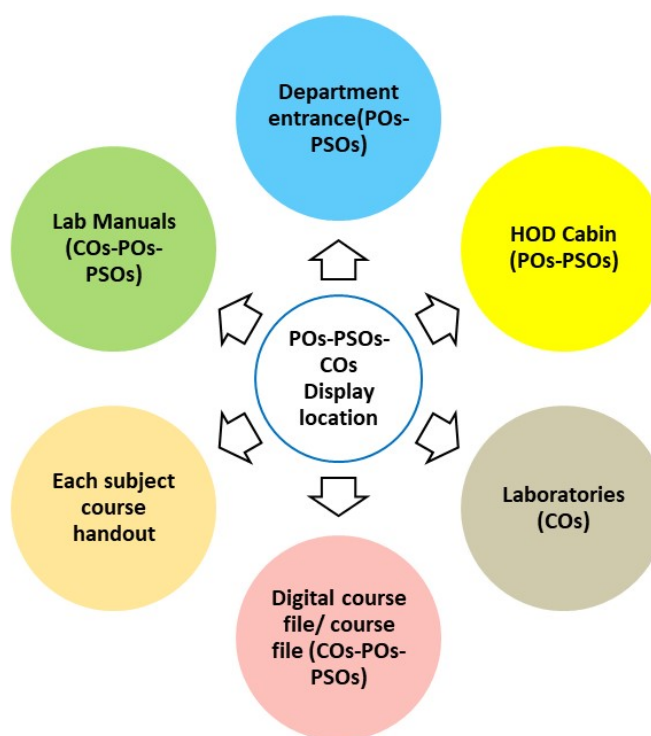
The mechanism of the communication of stated POs, PSOs and COs is as mentioned below.

1.The Program Outcomes, Program Specific Outcomes and Course Outcomes are displayed at following locations through the display boards for faculty and students.

- Departmental entrance (POs PSOs)
- Head of Department Cabin (POs PSOs)
- Laboratories (COs)
- Laboratory manuals (CO PSO PO)
- Digital Course file (CO PO)
- Course handout of each course (Course file of faculty) CO PO PSO

1.HOD meeting with faculty members is also an effective mechanism to communicate Program Outcomes, Program Specific Outcomes and Course Outcomes. After finalization of PSOs faculties submit declaration of understanding.

2.For effective understanding of POs, PSOs, and COs every faculty member explains the learning outcomes to the students at the beginning of each course. Every faculty conducts meeting with students to discuss POs, PSOs, COs. Students submit the declaration that CO and PO have been understood.



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:

For the evaluation of attainment of Programme outcomes (POs), course outcomes (COs) and Programme specific outcomes (PSOs) institute uses specially designed tool Digital Course File (DCF). With DCF, the tracking of all indices are ensured by means of, course plan, CO-PO mapping, tests conduction, assignments, evaluation and grading etc. It also ensures fair internal assessment and term work calculation of students.

DCF contains following heads which are interlinked to each other and finally generates CO-PO-PSO attainment,

1.	Students details	13.	Laboratory assessment batch wise
2.	CO details	14.	Laboratory assessment calculations
3.	PO details	15.	Assignment details
4.	Term test details	16.	Assignment entry I
5.	Term test I entry	17.	Assignment entry II
6.	Term test I - Bright Students	18.	Assignment entry III
7.	Term test I – Weak Students	19.	Theory attendance
8.	Term test II entry	20.	Term work assessment
9.	Term test II - Bright Students	21.	CO attainment
10.	Term test II – Weak Students	22.	CO-PO mapping details
11.	Laboratory Experiment Details	23.	Weighted CO attainment
12.	Laboratory attendance batch wise	24.	PO-PSO attainment

Methodology

- Faculty prepares Course Handout for that subject and design Course outcomes (COs). In addition to COs specified by SPPU faculties can also design COs if required.
- Program Outcomes (PO) are based on Bloom's taxonomy as recommended by NBA and ABET authorities.
- Faculty maps the CO's of concern subject with PO's.
- Faculty prepares the List of Experiments in order to map COs
- Faculty prepares assessment scheme for assignments and maps assignment questions with COs.
- Faculty prepares assessment scheme for term tests and maps term test questions with COs.
- Faculty enters CO & PO details, Term Test and assignment marks, practical assessment marks along with the count of total no. of experiments conducted.
- Faculty has to add the CO-PO mapping details.
- DCF generates COs, POs, & PSOs attainment levels based on programmed algorithms.

Flowchart explains input output through algorithm

Algorithm:

Step 1.Prepare Course Handout for subject.

- 1.Design Course Outcomes (CO's) based on subject.
- 2.If required, design new CO.

Step 2.Enter CO and PO details.

Step 3.Prepare the list of Experiments in order to map CO's.

Step 4.Prepare assessment scheme for Assignments to map with CO's.

Step 5.Prepare assessment scheme for Term Tests to map with CO's.

Step 6.Enter marks of Term Tests and Assignments.

Step 7.Enter Practical Assessment grades.

Step 8.Enter CO-PO mapping details.

DCF generates COs, POs, & PSOs attainment level.

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

2.6.3 Average pass percentage of Students

Response: 92.45

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

Response: 257

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

Response: 278

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.35

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: 0

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	0	0	0	0

File Description

Document

List of project and grant details

[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 0

3.1.2.1 Number of teachers recognised as research guides

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

Response: 0

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

3.1.3.2 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:

- **BAJA:** BAJA is a national level intercollegiate engineering design competition for undergraduate students based on development and testing of All Terrain Vehicle (ATV). This is the 4th consecutive year of participation by the Team FALCON of the institute. The team has developed

working car model and participated in SAE BAJA 2018. The objective of this competition is to promote student's innovative ideas in design and manufacture of automotive vehicle. Each team competes to get its design accepted by the organizers. The students function as a team to design, build, test, promote a vehicle and compete within the limits of the rules and regulations. The team also generate financial support for the project and manage their educational priorities as well. Students design and build a working model of a rugged, single seat, off-road vehicle. Facility center for this activity is developed in central workshop where resources like lathe, welding, drilling & grinding machine etc. are made available along with necessary software. To encourage students, management provides partial financial sponsorship. Team FALCON secured 57th rank in virtual round among 350 participants all over India in 2017-18.

- **Research promoting scheme:** This scheme is for promoting faculties to publish their research papers in reputed national and international journals and conferences. To create conducive environment for research by promoting research in engineering sciences and innovations in established and newer technologies, institute provides monetary benefits to the faculties for their contribution in research.
- **Eureka-** National level project and poster competition: Institute organized national level project and poster competition for young minds from different streams of engineering to motivate students for further innovation and research. In 2016-17, a competition named 'Eureka' was organized on a large scale where students (Under graduate & Post graduate) from all over the state participated & demonstrated the science base projects.
- **Internships and Industrial visits:** Students undergo internships in various industries in and out of state. The institute arranges industrial visits for students for getting practical exposure of the theoretical knowledge they have gained in classrooms.
- **MOUs with different agencies and industries:** Institute has signed various MOUs with different industries for exchange of theoretical and practical knowledge.
- **Visits by Eminent personalities, scientists and professors:** Departments in institute arrange expert lectures by eminent personalities from academics & industries to share their rich knowledge & experience in latest technologies with students.
- Student chapters of professional bodies of national and international repute like SAE, CSI and ISHRAE are formed in the institute.
- Platform such as TEXCELLENCE is the University level technical competition comprising of paper presentation, model making, robotics, coding etc.

File Description	Document
Any additional information	View 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: 16

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
8	4	2	2	0

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	
File Description	Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years	
Response: 0	
3.3.3.1 How many Ph.Ds awarded within last five years	
3.3.3.2 Number of teachers recognized as guides during the last five years	
File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last
--

five years

Response: 0.67

3.3.4.1 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
34	9	7	8	12

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.5 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: 0.58

3.3.5.1 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
22	7	21	6	5

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	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:

Dr. D. Y. Patil educational academy laid its foundation stone 35 years back for the upliftment of the society by providing quality education to the students of rural area. Having pleasant attitude towards

society is moral responsibility of an engineer that can be achieved by exposure through active participation in various extension activities. Students are compassionate towards the society and are organizing various activities through the platform of National Service Scheme (NSS) and Women's Welfare Club.

Institute Activities:

NSS Activities: Every year one week winter NSS special camp is organized by the institute. So far camps have been organized in the villages named Urse, Pawananagar, Kothurne and Shivali in Maval Tehsil of Pune District.

- Swachha Bharat Abhiyan: To promote this national mission, thirty student volunteers work every year under Swachha Bharat Abhiyan at different villages. It starts with cleanliness march past early in the morning followed by a meeting with village working committee (Gram Sabha), school authorities and student volunteers of the institute. Student volunteers along with villagers then carry out cleaning activity in areas suggested by the village authorities.
- NSS team organizes various activities for school children such as wall painting, speech competition, model making, Best from Waste etc. in Zilla Parishad Schools to enhance their skillset.
- Health Activity: Team conducts health surveys and health checkups in nearby villages as per guidelines of SPPU. Survey reports are submitted to civic body through SPPU for necessary action.
- Ecologically beneficial activities like rain water harvesting, waste water management, solid waste management, snake protection with aid of 'Sarpmitra' (snake friend) are conducted by the NSS.
- The representatives from Consumer Forum addressed villagers for securing their rights using consumer protection laws.
- Street play: NSS volunteers staged a play on "Disadvantages of Alcohol" and "Anti superstitions" to develop social awareness about alcohol and its consumption.
- Tree plantation program was arranged by NSS volunteers and more than 1000 trees were planted. Blood donation activity was organized in the NSS camp at Pawananagar.
- The informational speeches on topics like conservation of heritage, fort management, etc. are organized by NSS team.

Women's Welfare Club –

- Health checkup camp was organized in association with D Y Patil Medical College, Pimpri. A talk was organized on health awareness to address the problems faced by women and necessary precautions. More than 200 girls & women from nearby villages were benefitted.
- On "International Women's Day" the institute organized various cultural programs followed by a speech of Mrs. Meera Badave on village women's empowerment by introducing microfinancing scheme of government.
- A lecture was organized on "Safety & Security Precaution" for working women in the neighborhood community.

Department Activities:

- Chotishi Aasha: Students of Civil Engineering department helped poor farmers, who are adversely affected by drought. Students and faculties provided funds and fertilizers to farmers.
- Street Play and Electrical Safety Rally: As a part of electrical safety awareness Student of Electrical Department from second and third year marched from the DYPTC to Talegaon and performed

street play on Electrical Safety.

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: 0

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
0	0	0	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: 36

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
10	6	13	7	00

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: 36.81

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
693	329	958	450	00

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: 90

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
50	13	10	09	08

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	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: 9

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
06	02	01	00	00

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

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:

The institute adheres to AICTE norms regarding physical facilities. The institute has adequate number of class rooms and laboratories as per norms to conduct various academic activities. Each department is equipped with its own computing resources as well as departmental library. The departments have specialized software as per curriculum of Savitribai Phule Pune University (SPPU). In addition to the above, the institute has a Central Library equipped with sufficient number of books, national and international journals and e-Journals. The institute has provided an access to National Digital Library.

The gross infrastructural area of the institute is as given below,

1.Instructional Area – 7996 Sq. m.

(Requirement of instructional area as per AICTE norms for the sanctioned intake is 6364Sq.m)

2.Administrative Area-- 650 Sq. m.

(Requirement of administrative area as per AICTE norms for the sanctioned intake is 600Sq.m)

3.Amenities –1000 Sq. m.

(Requirement of amenities area as per AICTE norms for the sanctioned intake is 720 Sq.m)

4.Circulation and other – 2486 Sq.m.

(Requirement of circulation area as per AICTE norms for the sanctioned intake is 2400.50 Sq.m)

The bifurcation of instructional area is as under

1.Class Rooms - 23 class rooms with total area 1609 Sq. m.

(As per AICTE norms 23 classrooms admeasuring 1518 Sq.m. is required)

2.Tutorial Rooms: 6 tutorial rooms with total area 215 Sq.m

(As per AICTE norms 6 tutorial rooms admeasuring 198 Sq.m.is required)

3.Drawing Hall: 1 drawing hall with total area 132 Sq. m

(As per AICTE norms 1 drawing hall admeasuring 132 Sq.m. is required)

4.UG laboratories: 44 UG Laboratories with total Area 3767 Sq.m.

(As per AICTE norms 42 UG & 2 PG laboratories admeasuring 2904 Sq.m. is required)

5.Language Lab: 1 language lab with total area 66 Sq.m.

(As per AICTE norms 1 language lab admeasuring 66 Sq.m. is required)

6.Computer Center: 1 computer center with total Area 190 Sq. m.

(As per AICTE norms 1 computer center admeasuring 150 Sq.m. is required)

7.Seminar Halls: 3 seminar halls with total area 400 Sq. m.

(As per AICTE norms 3 seminar halls admeasuring 396 Sq. m.. is required)

8.Workshops: 5 workshops with total area 1000 Sq.m.

(As per AICTE norms 4 workshops admeasuring 800 Sq.m. is required.)

9.Library and Reading room: 1 library including reading room with total area 1000 Sq.m.

(As per AICTE norms 1 library including reading room admeasuring 600 Sq.m. is required.

In addition to the above mentioned physical facilities the institute also has,

- 2 set diesel power generator having capacity of 160 KVA each for power backup.
- RO plant of sufficient capacity for water treatment
- 0.75 Million Litres per Day Sewage Water Treatment Plant for treatment of waste.

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:

The Management & institute have always created a niche for itself in the field of sports. The students participate in various inter-college and inter-university level tournaments. In academic year 2014-15, the institute developed an excellent sports ground of 16450 SqM. The institute organizes various tournaments like Rajveer Trophy (inter-collegiate competition), Vijay Karandak (intra-collegiate competition), D Y Patil T20 Cup (Corporate tournaments) etc. A spacious play ground is made available for outdoor games

like cricket, football, Basketball, Volleyball, Kabaddi, etc. in college campus. Facilities for indoor games viz. Table Tennis, Chess and Carom are provided to the students in the institute campus. The institute has well equipped gymnasium with adequate equipment established in 2009. On an average 50 students per day are utilizing gymnasium facilities. The institute provided the dedicated space for yoga for students as well as faculties, since 2017. Yoga camps are arranged regularly for staff & students. Many faculty members & students are utilising yoga room for regular practice. The facilities provided for cultural events includes music room, club room, boys and girls common rooms and two acoustically designed seminar halls. Open air theatre of more than 110 SqM is available. National as well as International Artist concerts are held every year at open air theatre.

File Description	Document
Any additional information	View 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: 25

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: 69.62

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
236.78	262.23	271.60	209.73	214.15

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:

Institute library is established in 2010. The library with an area of 1000 Sq.M. includes reading room with 180 capacity of users and digital library with 6 terminals. Library has sufficient number of books, journals, digital collections, project reports, journals, magazines etc. to support teaching learning process.

The open access system in library enables the users to choose and then select the books he/she needs to study. Having established a user-friendly and conducive environment in the library, the librarian along with his team of professionals, is managing the library effectively rendering online & offline library services to cater to the needs of students, teachers and other users.

The Integrated Library Management System (ILMS) software named KOHA version 3.16.04.000 is used for partial automation of the library. The Library operations like circulation, processing, catalogue search and overdue alerts are automated using KOHA. The processes like book requirements, serial control (periodical entries) are done manually. Students and faculty members are extensively using the web based facility (KOHA) for Book search, account information, book reservation and history of circulation

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:

YES,

The D.Y.Patil Institute Library has Good Collection of Rare books, Conference Proceedings, Reference Books, Year Books, Encyclopedias, GATE Exam, and Projects reports etc. also library has pest additional link of Rare Books Society of India (RBSI) and Bhandarkar Oriental Research Institute (BORI) in The Digital Library (Drupal CMS). Students and Faculties can access these rare books through library portal as reference material for enrichment of their knowledge. The rear books having large variety of title such as

history, Geography, yoga, inspiring Stories, philosophy survey, observations, astronomical, economic, literature, religious, culture, empire, war , etc.

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: 15.55

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
18.04	22.14	14.16	15.23	8.20

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
Any additional information	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: 12.11	
4.2.6.1 Average number of teachers and students using library per day over last one year	
Response: 174	
File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi
<p>Response:</p> <p>All the computers in the institute are connected with LAN and high speed internet. It gives connectivity via 3 different connections of 155 Mbps bandwidth. Institute is Wi-Fi enabled to use the internet connectivity irrespective of user's location in the campus. The Computer laboratories are equipped with necessary software & hardware which are updated time to time. The institute has dedicated IT cell to take care of the hardware and software upgrades, installation & maintenance of Wi-Fi routers, upgrading of cyber roam firewall software etc. The IT cell of the institute also supports the ERP system use for effective and automated administration. The institute updating of web site on regular basis which shows programs conducted at institute. Procurement and augmentations of different Application and Operating System Software along with licensed copies and packages are available at institute.</p> <p>The institute has licensed copies of various software's like MATLAB, ANSYS, SOLID WORKS,</p>

MASTERCAM, Microsoft Office, AutoCad etc.

Year wise Up gradation of IT Facilities

Year	Description/ Nature of facility	ITNos.
2017-2018	Projector	12
	CCTV	2
	Laptop	12
2016-2017	CCTV	15
	Computer System	100
	MS Window 8.1 SLQ	15
	RAM DDR3	7
	SQLCAL ALNG	150
	DsktpEdu ALNG	150
	CCTV	15
	VSProwMSDN	30
2014-2015	ENDPOINT Securiti Antivirus	125
	Computer System	24
	Computer System	35
	D Link	124
	Printer	3
	LCD Projector	1
	LCD Projector	3
	LCD Projector	1
	Printer	10
2013-2014	Computer System	1
	Computer System	50
	DIGI Link	50
	Printer	1
	RAM DDR3	2
	SWITCH	2

Year wise Up- gradation of Internet Facilities

Sr. No.	Year	Internet Upgradation
1	2017-2018	465 Mbps
2	2016-2017	90 Mbps
3	2015-2016	90 Mbps
4	2014-2015	45 Mbps
5	2013-2014	4 Mbps

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

4.3.2 Student - Computer ratio

Response: 4.07

File Description	Document
Any additional information	View Document

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
Link to photographs	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:** 20.25

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
148.66	78.82	73.83	39.02	45.85

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:**

- Annual maintenance and repair of the infrastructure is taken care by the institute in a systematic manner. Day to day maintenance is carried out by the staff appointed for cleaning and maintenance of the building.
- Institute has a diesel generator installed in the premises as a power backup facility. Maintenance of this emergency generator is carried out twice in a month by the maintenance team.
- The institute has outsourced the house keeping activity to the third party contractor viz. Eximius Management Group [EMG] & Bharat Vikas Group [BVG]. Their personnel look after daily

housekeeping, cleaning, gardening and security. The housekeeping manager checks daily cleaning of classroom and laboratory floors, office furniture, garden, window panels and dados etc.

- The laboratory equipments, computers, electronic and electrical devices are maintained and repaired regularly. Institute has a team of qualified technical staff for maintaining computers and networking facilities. Some of the technical staff members are available 24 hrs in the campus so that they can be called on short notice in case of emergency.
- Routine maintenance of equipment in all laboratories is carried out by the technical staff at the departmental level, while in some cases it is referred to the sales & service department of the equipment manufacturer or a service provider. Concerned laboratory in-charge refers the case to HoD; HoD to Principal for approval then it is referred to the service provider.
- Annual stock verification is done for all departments and report of the faulty and non-working equipment is forwarded. Necessary repairs are undertaken accordingly.
- For identification of damaged books, annual stock verification is carried out. Damaged books are sent for book binding. Periodicals are bound together annually for future reference. Library management software KOHA is upgraded whenever new version becomes available.
- The computer hardware, software and networking are taken care by network administrator and his team. A separate computer maintenance team is available for handling the departmental requirements. For maintenance of computers the ERP based call log system is implemented in the institute. The teaching and non-teaching staffs submit a request for computer related maintenance through ERP web portal. Once the system department receives a request the maintenance procedure is initiated and repair activities are taken care of. This entire procedure is recorded in the call log register. Similarly, the maintenance regarding IT infrastructure such as projectors, photocopy machines, sound systems, peripherals etc. is done through ERP.
- Institute has employed technicians for maintenance of electrical and plumbing work.
- Security staff headed by a security supervisor are employed to safe guard the whole premises.
- A dedicated maintenance team is employed for the sports ground. Maintenance activities include levelling of ground, Grass cutting, Line marking, Watering, Rolling, Pitch renovation, etc.

Inspection and repairs of flood lights is duly taken care by hired specialized technicians

File Description	Document
Any additional information	View Document
Link for 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: 50.5

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
747	705	650	585	510

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: 0

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
0	0	0	0	0

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: 50.65

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
774	993	785	411	318

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: 26.95

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
589	376	318	240	208

File Description

Document

Details of the students benefitted by VET

[View Document](#)

Any additional information

[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: 47.57

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
139	136	151	93	74

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: 16.19

5.2.2.1 Number of outgoing students progressing to higher education

Response: 45

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: 9.84

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
0	4	3	1	2

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
22	20	22	18	20

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: 2				
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
1	1	0	0	0

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:		
As per the guidelines provided by Savitribai Phule Pune University, every year student council is formed through elections or nominations. Institute has included students representatives in various committees at institute level such as internal quality assurance cell (IQAC), anti ragging committee, internal complaint committee and student council.		
STUDENT COUNCIL		
Sr. No.	Name	Designation

1	Dr. L.V. Kamble	Chairman
2	Dr. Rajesh Kherde	Senior Teacher
3	Prof. Chetan Harak	Teacher Representative
4	Prof. Rahul Bhoje	NSS Program Officer
5	Prof. Pallavi Mathur	Lady Teacher Representative
6	Prof. Parashar Mone	Counselor
7	Prof. Akshay Kashid	Director of Sport & Physical Education
8	Mr. Sachin Gawali	Student Representative from Sports
9	Mr. Akash Dhond	Student Representative from NSS
10	Mr. Swarnil Pradhan	Student Representative from Cultural Activities
11	Ms. Ritu Raj	Student Council Officer
12	Mr. Shubham Hedau	Student Council Officer
13	Mr. Abhinav Goswami	Student Council Officer
14	Mr. Akash Kawale	Student Council Officer
15	Ms. Priyanka Dubey	Student Council Officer

All members of council play vital role in execution of various co-curricular, extracurricular, cultural and sports activities at institutional level. The success of the council can be measured through organization of events like, AMEDHYAM (annual social gathering), Safety Week, State and National level workshops, "TEXCELLENCE" (2 days university level technical competition) etc.

- **National Service Scheme:**

- In NSS the students undertake activities such as tree plantation, book donations, donations to poor farmers, blood donation camps, activities for making the society computer literate majorly for students hailing from rural areas, social awareness campaigns for Swach Bharat Abhiyaan, plastic free ambience etc.

- **Internal Complaint Committee:**

- Internal Complaint Committee is formed to rectify issues pertaining to staff, faculty and students in the institute premises and workplace. To notify regarding such issues, complaint box is in place at every department. The internal complaint committee members open these boxes and conduct meeting accordingly to take necessary action. The meeting frequency is as per the guidelines provided by SPPU. The internal complaint committee is also responsible to act for women's grievances and redressal of female employees of the organization.

- **Anti-ragging committee:**

- To prevent ragging in the college & hostel premises, Anti-ragging committee is formed at institute level. The committee comprises of the Principal, Senior faculties, Students along with hostel rector of the institute. Provisions are made for stern action against the students found indulging in such activities. The committee members frequently visit and interact with the students staying in hostel and assure that no incidences of ragging takes place in the hostel. Hostel rector and hostel staffs are informed to be agile and avert any kind of ragging activity.

- **Student Association:**

- Every department in the college has formed student associations like MESA, CESA, ITSA, ACES, EESA and FESA to conduct the various co-curricular and extracurricular activities. Students develop leadership skills through the organization and co-ordination of various activities.

- **IQAC :**

- Student representative and alumni attends regular meetings of IQAC. Through their representation, the points regarding improvement in academic delivery and infrastructural development are brought to discussion.

File Description	Document
Any additional information	View Document

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

Response: 17.8

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
20	21	17	17	14

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	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:

The basic motive of alumni association is to nurture temperament of loyalty for welfare of the institute. The alumni association is an official unit of the institute with the primary objective of creating a worldwide network of DYPIET alumni. The alumni association at institute level is established to promote the various allied objectives. The association enrolls all graduates as members and plan activities like arranging industrial visits, placement drives, guest lectures, internship, and Sponsored projects to BE students with active contribution of the alumni.

Many of the alumni are rejoiced to come back to institute and be part of various activities planned under

the banner of alumni association. The alumni association coordinates the networking of all our precious alumni and takes effort to thrive alumni community towards the benefit of students and institution

altogether. Institute alumnus extends their expertise to encourage students and faculties. Alumnus also assists the institute to bridge the academia- institute gap by setting up platforms for MOU's between the institute and industries.

Mentorship: Alumni play an active role in voluntary programs like mentoring students in their areas of skill. Alumni encourage the students to overcome the failures and narrate their own story of success that connect to the student by and large. This extracts the rich and deep rooted experience of alumni. The alumni also inspire the students to identify their inclination, which profoundly assists the students in capitalizing their potential. Alumni also contribute by providing suggestions on latest trends in technology to accommodate in syllabus restructure meetings as and when the guidelines from the SPPU and BOS are sought to do so.

Placements: The alumni network of institute is one of the biggest sources of placement opportunities to the students. Alumni in concern with training and placement department of the institute provide a platform together for the students to find suitable start for the budding engineers in the vast domain of engineering and technology.

Career Guidance: The institute organizes career guidance programs by inviting alumni of the institute who are well established in industries in and around the city. Alumni present themselves as a huge talent pool on account of the experienced gained. The shared experience is always fruitful for the students and other fellow-alumni. For this purpose seminar, informal talks on current trends of technology are organized and alumni are invited to be part of it.

Alumni meet:

The institute has mechanisms to track the present work and professional status of the alumni by using online alumni survey. Alumni meet is organized in the institute every year to provide a forum for the alumni to interact with the faculties and students of the institute. The alumni meet brings together the past graduates and faculties to share their knowledge with each other.

File Description	Document
Any 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
Alumni association audited statements	View Document

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

Response: 4

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	1	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	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 excel in technical education and strive for developing competent professional to meet future challenges with social awareness.

Mission:

- To impart quality technical education.
- To foster industry institute interaction.
- To strengthen co-curricular, extra-curricular and extension activities.
- To install ethical and moral values in budding engineers.

The management of the institute has devised the vision of the institute which emphasizes on developing competent engineers for meeting future challenges. To achieve this vision, the mission of the institute was set with amalgamation of imparting quality technical education and industrial exposure.

Director of the institute acts as a management representative and approves the necessary policies for the institute. The policies are framed in line with the vision and mission statement of the institute.

The institute is striving to achieve the set objectives through Governing Body (GB), Internal Quality Assurance Cell (IQAC) and College Development Committee (CDC). The Principal forms an ad-hoc committee of senior professors of the institute to formulate the Standard Operating Procedures (SOPs) which are essential for smooth and efficient functioning of organization. This results in transparent working environment and ensures that the teaching and non-teaching staff will perform their duties as per the guidelines provided in SOPs.

The Principal is engaged in finding ways for progression of effective academics, administration and research activities which leads to utilization of maximum potential of teaching and non-teaching staff. He/She actively promotes the faculty members to pursue higher studies, carry out research and through regular interaction ensures conducive environment for overall development of faculties.

Professor In-Charge (Academics Planning) will ensure smooth conduction of academic activities with the help of departmental academic coordinators. His/Her duties includes preparation of academic calendar, verify work load distribution and time table, monitoring conduction of classes and optimum utilization of classrooms & laboratories. He/She also ensures smooth conduction of internal examinations and feedback process. He/she collects inputs through result analysis and suggests the corrective course of action if necessary.

College Examination Officer (CEO) – As per SPPU guidelines, the institute has appointed CEO who is responsible for successful conduction of all the examinations.

Head of the department (HOD) plans and monitors the teaching learning process, distributes workload among the faculty members, sets up and upgrades the laboratories, supervises the functioning of Mentor-Mentee system.

Training and Placement Officer (TPO) – TPO's role includes,

- 1.To depute students for activities like industrial training, internships and vocational training programs.
- 2.To invite recruiters for students placements and execute placement process.

The Administrative Officer has been assigned the responsibility of maintaining discipline among staff and students, fulfilling infrastructural requirements, making necessary arrangements to ensure safety and security in the campus, arranging the transport facilities and plays a role of facilitator for organization of events.

Establishment section, student section, scholarship section and accounts section are headed by Registrar of institute whose primary role is to assist the principal in all administrative matters. He/she coordinates and supervises work of all administrative staff and ensures timely submission of necessary reports and documents to statutory bodies.

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:

The institute implements decentralized governance in order to distribute the authorities and responsibilities. The institute achieves the decentralization in the following manner:

The Director acts as a bridge between management and the institute. Broad policies of the institute are formulated by the Principal in consultation with the Director. The Principal transfers the necessary authorities to the Heads of the various Departments. HOD distributes the departmental activities among the staff members by assigning various portfolios.

Apart from Heads of Departments, various committees are formed at institute level such as College Development Committee, Student Council, Anti-ragging Committee, Internal Complaints Committee, Research and Development Cell, Grievance Redressal Committee, Internal Quality Assurance Cell etc. These committees are empowered with authorities to take decisions in their respective area of work.

Along with the teaching staff members, non-teaching staff members and students are also included in the

various committees. Principal and HODs make sure that all the stakeholders of the Institute are involved in the successful implementation of various policies.

Case Study:

The library management system is a good example of decentralization and participative management in our institute. The details are as discussed below:

- Stake holders including students, faculty members, HODs and the Principal have significant contribution in the overall functioning of the library.
- At the beginning of every semester the librarian sends notice to HODs with consent of the Principal requesting the requirement of new titles and volumes of books, journals and magazines.
- Head of the department forwards the notice to the faculty and students to get the requirement of new learning material. However the faculty and students can submit their requirements/suggestions throughout the year.
- Head of the department compiles the list and sends it to the librarian.
- The institute has formed a library committee of senior faculty members for guiding the librarian on procurement of new learning material.
- On receiving the requisition from various departments, librarian puts forward the requisition for review to standing library committee.
- The librarian then invites the quotations from different vendors and subsequently prepares the comparative statement of quotations and submits it to purchase committee.
- Purchase committee then invite the vendors for negotiations and finalize the vendor and draws the purchase order, issued through Principal office.
- Library staff allots accession number to the received books. The process of procurement of books is assured successfully.

The participation of the stakeholders starting from students to top management has immensely contributed in the efficient functioning of the library. As students can avail the facility of submitting requisition for a book, students' rights and interests are protected.

As the students are also involved in the process of procurement of books, a sense of belongingness towards the institute is developed among them.

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:

The goals and objectives the institute is aspiring to achieve, are reflected in perspective/strategic plan. A strategic plan helps to serve the needs of the stakeholders of the Institute. DYPIET has presented its strategic plan which focuses on technical and social development of its students and staff members. The strategic plan comprises of following important objectives:

- 1.Improvement in quality of technical education through implementing e-governance, digitalization in day to day functioning and skill based learning.
- 2.Encouragement for research and consultancy and establishment of research center in each department.
- 3.Promote industry institute interaction and entrepreneurship development.
- 4.Infrastructural development in concern with green campus initiatives such as installation of solar panels and up gradation of sewage treatment plant and RO plant.
- 5.Encouraging faculty for higher education.

The Institute is working hard to achieve these objectives through various activities and programs.

Deployment Activity Example –

Installation of Sewage Treatment Plant - The institute has state of the art infrastructure and at the same time the efforts are always taken by the institute to promote green campus initiatives. An ideal example of infrastructural development along with environmental sensitivity is the installation of Sewage Treatment Plant (STP).

The planning of STP was initiated in academic year 2016-17. In College Development Committee (CDC) meeting, it was decided to install a STP in the campus in order to reuse the sewage water generated in the campus for useful purpose. The contract of designing the STP was given to Aquacare Solutions Pvt. Ltd., Pune. This firm designed the STP based on the sewage generation in the campus and cost estimated by the CDC. The construction part of STP was handed over to Bitush and Rajib Construction Pvt. Ltd., Pune. Construction of the plant was completed in April 2017 and the plant became functional from there. The total expenditure incurred towards the installation of this plant is Rs. 2.53 Cr.

The plant has a capacity to treat 700 cubic meter of sewage water per day. By means of this plant, all the sewage generated in the campus is treated and reused for gardening purpose. All the sewage water generated in the campus is thus reused in the campus itself which contributes significantly towards the green movement.

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:

1. Organizational Structure –

Governing body of the institute is headed by the President of DYPEA (Dr. D. Y. Patil Educational Academy). Governing Body formulates the Guidelines needed for the governance of the institute. College Development Committee (CDC) takes care of academic and administrative planning and implementation.

The Director of the institute is a representative of the management and monitors the implementation of these guidelines. The Principal, Administrative Officer and HODs are responsible for the actual implementation of these guidelines in day to day working of the institute.

The role of IQAC, which is headed by the Principal, is also significant in formation and implementation of academic policies of the institute.

Various committees are formed on institute level in order to cater the academic, administrative and other needs of the institute. Administrative officer looks after students section and account section.

Professor in Charge (Academic Planning) monitors the efficient conduction of theory/practical classes.

College Examination Officer (CEO) is responsible for the conduction of all kind of University examinations.

Training and Placement activities are conducted under the T&P Cell headed by T&P Officer. Hostel administration is taken care by the Hostel Rector.

2. Service Rules for teaching and non-teaching staff –

The institute is affiliated to Savitribai Phule Pune University (SPPU) and approved by All India Council for Technical Education (AICTE). Service rules of the institute are formed in line with the code of conduct laid down by University Grant Commission (UGC). The important parameters involved in the framing of service rules are pay scale, allowances, nature of appointment, transfer and termination policies etc.

3. Recruitment Policies – The requirement of teaching staff is calculated on the basis of cadre ratio and student-teacher ratio prescribed by the authorities viz. AICTE, UGC and SPPU. The recruitment of the teaching staff is made through University Selection Committee appointed by SPPU. For urgent requirements ad-hoc appointments can be made through local selection committee as per the guidelines of SPPU.

4. Promotional Policies – Promotions of teaching and non-teaching staff are made on the basis of the availability of the posts, technical competency, performance appraisal and recommendations by HOD/Principal. The promotions are subject to approval by the SPPU.

5. Grievance Redressal Mechanism – The institute has formed various committees such as anti-ragging

committee, internal complaint committee (ICC), grievance redressal committee and Hostel committee etc. to address the grievances raised by students and staff members. Grievances received through any channel are forwarded to the relevant committee and committee head calls a meeting to resolve the grievances. The committee submits a report to the Principal with the recommended corrective action if necessary.

For organogram kindly
visit: <http://www.dypietambi.com/Downloads/Final%20Organogram/Organogram.jpg>

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
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document
Any additional information	View Document

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

Response:

In order to have decentralization and effectiveness in academic and administrative functioning, various committees are formed in the institute. Meetings of these committee members are conducted on regular basis. The committees are empowered with adequate authorities to function in an effective manner.

The institute has established various committees such as College Development Committee (CDC), Internal Complaint Committee (ICC), Anti-Ragging Committee, Research and Development Cell, Training and Placement Cell, Academic Monitoring Committee, Grievance Redressal Committee, etc. Each committee comprises of number of staff members and they are headed by senior faculty member.

The roles and responsibilities of few of the committees are explained below -

College development committee (CDC) is formed with an objective of having an empowered system of administration and to ensure that the faculty feels involved into the administration of the college. CDC analyzes the areas where the institute needs improvement, monitors overall development of the campus and submit report on the developments made to the management on annual basis.

Internal Complaint Committee (ICC) looks after the complaints raised by the women employees and students of the institute. The committee, on receipt of a written complaint, promptly initiates inquiry proceedings as per the directions and takes the disciplinary action if necessary. The committee tries to settle the matter through counselling and conciliation. The committee conducts awareness programs in the institute on regular basis.

R & D committee is responsible for promoting the students and staff members to get involved in research activities. The committee create awareness among the staff members about various research funding schemes by government agencies like AICTE, SPPU and private funding firms. The committee encourages the researchers to carryout collaborative research with outside institutes and reputed organizations.

Training and placement cell is headed by a TPO (Training and placement officer) and comprises of one faculty member from each department. The cell deputed the students for various industrial training and internship programs during vacations. Experts from the industries are invited to guide the students on current technical topics. T & P cell sees that maximum eligible students of the institute get placed through campus placement activities. A record of trained/placed students is maintained by TPO. TPO also maintains the record of passed out students for further communication.

Case Study –

T&P cell of DYPIET has been instrumental in placing the students for industrial internship programs in which students are supposed to work in the industry for a given period of time. This duration may be a few months. The activity is planned in order to make the students aware of industrial environment and professional practices.

In 2017-18, due to very good efforts taken by T&P cell, more than 64 students from all branches were registered for industrial internship programs in 9 different industries. Five students out of these 64 students got placed in the same industry. This activity supported the institute in increasing the overall placement count.

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:

The institute believes that a satisfied employee is an asset for the institute & can make the institute a productive place. The institute has introduced several welfare measures & schemes for teaching & non-teaching staff. The various welfare measures for teaching and non-teaching staff are given below:

- Faculty members are encouraged to go for self-development programs and higher education programs. Institute reimburses 50% of the registration fees when a staff member attends any conference, seminar or workshop. A staff member is granted on duty leave for attending such events.
- Group insurance policy for all the staff members has been issued by the institute.
- Institute sponsors fees towards the membership of various professional bodies to teaching staff.
- A staff member is granted study leaves if he/she wishes to pursue research work or higher studies.
- 40 days summer & 30 days winter vacations are provided to teaching staff for up gradation of knowledge and enhance skillset. Various other leaves, such as casual leaves (12 leaves per year), medical leaves are granted to teaching staff and non-teaching staff. An eligible staff member can annually avail 10 days medical leave that can be extended in case of emergency. Non-teaching staff members are also entitled for earned leaves.
- Compensatory off is made available to the staff against working on weekly offs and public holidays.
- Lady faculties of the institute, teaching and non-teaching both, get maternity leaves.
- The institute provides free transport facility to its teaching & non-teaching staff from nearby station to the campus, so as to make their traveling stress free and convenient.
- The institute provides accommodation facility for its non-teaching staff members as and when required.
- The institute appreciates staff members for their special achievements.
- The ERP system acts as a web based interface between all the employees and office to carry out activities like applying for leaves, getting salary slips, sending request for various maintenance works etc.
- The institute offers provident fund to non-teaching staff and gratuity to all its employees.

- The management runs primary / secondary school (D. Y. Patil High School, Ambi) in the same premises. Children of employees get concession of Rs. 10000/- in their school fees.
- The institute has provided laptops to senior faculty members and pen drives to all faculties.

File Description	Document
Any 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: 28.08

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
48	36	24	21	14

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: 3.6

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
6	5	4	2	1

File Description	Document
Reports of Academic Staff College or similar centers	View 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: 48.38

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
69	50	62	38	28

File Description	Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document

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

Response:

Performance of each employee of institute is assessed at the end of every year. Performance appraisal of each staff member is evaluated on the basis of Annual Performance Report (APR). APR is based on self-appraisal filled by all employees. This APR is closely scrutinized by Principal and maintained in his custody. Procedure for calculation of final performance appraisal is as follows:

1. Overall Performance Index of the Subject (OPIS)–50%

OPIS is calculated as follows:

After declaration of results of University examination, Subject Performance Index (SPI) is calculated as follows:

No. of students appeared in examination in a class	P	
Average class marks	Q	
No. of students above class average	R	
%Students above class average	S=(R/P)×100	
No. of students passed	T	
%Students passed	U=(T/P)×100	

Academic Performance Index–Paper Complexity (API-C) is calculated as:

$$API-C=0.75\times S+0.25\times U$$

Academic Performance Index–Subject Complexity (API-S1) is calculated as:

$$API-S1=API-C\times SF$$

Where SF(Scaling Factor) depends on complexity of subject. Values of SF for normal, moderate and complex subjects are 0.7, 0.85 and 1 respectively.

Similarly API-S2, API-S3 can be calculated for various subjects taught by staff member. Average of these APIs is Final Internal Performance Index of Subject (FSPI).

$$FSPI=Average(API-S1, API-S2, \dots)$$

2. Average Student Feedback–10%

Student feedback is taken two times in a semester. First feedback is taken after result declaration of first Unit Test and second feedback is taken after declaration of results of second Unit Test. Procedure to calculate student feedback is as follows:-

- | | |
|--|-------------------------|
| 1.No. of students in class | =M |
| 2.Maximum marks | =25 |
| 3.Sum of marks obtained by all students in subject | =N |
| 4. %Students feedback | =PSF1=O=(N×100)/(M×25)% |

Similarly PSF2 can be calculated after second feedback. Average Student Feedback (ASF) is then calculated as:-

$$ASF=(PSF1+PSF2)/2$$

3. Research & Development–15%

Maximum weightage for R&D is 15% which is divided in to three parts as:-

- | | |
|------------------------------------|----|
| 1.Journal Publications (6%) | =V |
| 2.Publications in Conferences (4%) | =W |
| 3.Books Publications (5%) | =X |

Weightage for books publications is considered for two academic years.

Overall weightage for R&D is calculated as- $Y=V+W+X$

4. Contribution to Department (Z1) – 5%

On the basis of departmental portfolios handled by staff member, HOD evaluates performance of staff member.

5. Contribution to the Institute (Z2)–5%

On the basis of contribution of staff member towards institutional activities, Principal evaluates performance appraisal of staff member.

6. Administrative Work (Z3)–5%

Participation of staff member in administrative work is also considered for evaluation of performance appraisal.

7. Principal and HOD Evaluation (Z4)–10%

HOD in consultation with Principal takes review of overall performance of staff member and assigns weightage accordingly.

Final performance appraisal=0.5×(FSPI+0.1×ASF+Y+Z1+Z2+Z3+Z4)

Appraisal of Non-teaching staff members-

Performance of Nonteaching staff members is evaluated on the basis of following parameters –

- Involvement in departmental/institutional development activities.
- Punctuality/Regularity
- Contribution in administration
- Up gradation of skills by undergoing various training programs.
- Technical knowledge/expertise.

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:

Financial audits are conducted in the institute on regular basis. These audits are conducted in order to review and supervise the financial transactions of the institute. It is really important for an institute to monitor expenditure and income and make provisions for various activities.

HODs prepare departmental budgets which includes recurring and non-recurring expenses of the department. The budget also includes the expenses towards purchase of equipment, remuneration of guest lecturers, industrial visits and other departmental activities. There is well defined process for the purchases and the expenses taking place in the institute. The Principal prepares annual budget of the institute on the basis of the departmental budgets submitted by HODs. This budget also includes important heads such as salary, capital expenses, T&P expenses, repair and maintenance, software and lab equipment, running cost, promotion and advertisement. Provisions are made in the budget to meet any forthcoming national/international events as planned by the institute. The sanctioning authority for the institute budget is the Director of the institute.

Internal audit of the institute is conducted on half-yearly basis. It mainly focuses on verification of vouchers and bills against the sanctioned budget. All the financial transactions of the institute are included in the Internal Audit Report. Relevant documents such as bank reconciliation file, interest certificates, fixed deposits, purchase orders, tax invoices, bills, cash & bank payment vouchers are verified by the internal auditor. A panel of accountants appointed by parent organization conducts the internal audit of the institute.

Internal Auditor prepares an internal audit report after reviewing all the financial practices and assessment of risks. Discrepancies if any are reflected in this report. Internal auditor also gives his remarks/suggestions for further corrective action. The discrepancies highlighted by the internal auditor are addressed before the external audit.

The quality and fairness of the financial operations made by the institute during a financial year are monitored and supervised by an External Auditor. External audit of the institute is conducted on annual basis. M/s Swanand A. Agashe & Associates is appointed as an External Auditor of the institute. The main objective of the audit is to ensure the accountability of the financial transactions of the institute. The discrepancies pointed out by the external auditor, are then resolved and care is taken that they don't get repeated in future.

File Description	Document
Any 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: 0

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
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document

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

Response:

The main source of income for the institute is the fees collected from the students. The institute has got a well-defined procedure to operate the funds and its effective utilization. The important steps in the mobilization of funds are as follows.

1. Strategies for mobilization of funds –

The institute annually bifurcates predefined component of funds from the available funds for development of laboratories, library, up gradation of technical skills of human resource and research & development. For mobilization of funds towards these activities, following procedure is adopted:

Departmental recurring and non-recurring expenses of various laboratories are received by HODs from laboratory in-charges. The expenses required for the organization of different curricular and extra-curricular activities viz. seminars, workshops, conferences etc. are also included in the departmental budget. Librarian prepares the budget for procurement of new books, journals and e-journals/e-books. The Principal prepares an annual budget by summarizing the budgets submitted by HODs. A consolidated budget is then prepared by the Registrar/Administrative Officer of the Institute. The consolidated budget is then approved by the Director in consultation with management body.

Funds sanctioned by the management are then utilized for the activities as planned in budget. The funds are released for the pre-sanctioned activities. The account department verifies the expenditure of the funds towards various activities against the sanctioned budget. Account department also checks the supporting documents, bills, vouchers, etc.

Internal audit is carried out on half-yearly basis and external audit is carried out on yearly basis to review the financial operations of the Institute.

2. Optimal Utilization of Resources -

Budgetary provisions made annually are effectively utilized for the development of various resources of teaching learning process. The laboratories developed are utilized for academic as well as allied activities,

certification training programs and hands on training during seminars and workshops. Computer laboratories equipped with latest software are used to conduct various certification programs like Red Hat Certification, Microsoft Technology Associates (MTA) Certification, Hit Office etc. The workshop facility with additional ad-hoc set ups is used for building real life models, All Terrain Vehicle (ATV) to participate in national level competitions like BAJA and technical events organized for students. Staff and students involved in research activities get the advantage of e-journals and database subscriptions provided by the library.

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:

Internal Quality Assurance Cell (IQAC) is in action at the institute from academic year 2016-17. Meetings of IQAC are conducted on regular basis in order to improve the academic and administrative performance of the institute. IQAC has institutionalized various strategies for imparting quality education, enhancing industry-academia interactions, faculty development, etc. Two major strategies which has resulted in imparting quality education are industry internship program and guardian faculty member.

Industry Internship Program –

Training and Placement (T & P) Cell provides opportunities for the students to undergo various training & internship programs in the industries. In internship programs, students work in industry for a prescribed period of time. Industrial internship activities are generally planned during vacations in order to avoid academic loss of the students. The main objective is to make the students aware of professional practices, industrial environment & recent advancements in the field of engineering and technology. Internship program offers an opportunity for the students to implement their theoretical knowledge and increases chances of recruitment.

A good initiative was taken by IQAC in 2017-18 to increase the number of students undergoing industrial training/internship program.

- T & P Cell comprises of a coordinator from each department. These coordinators are headed by T & P officer of the institute.
- A meeting of T & P cell was conducted on 16th June 2017. It was unanimously decided to increase

the number of students' enrollment for internship program.

- To achieve above objective, T & P cell visited 9 companies /Industries & more than 70 students from all branches were enrolled for various industrial internship programs during academic year 2017-18.
- As an outcome of this activity, 17 students were placed in the same company where they completed their internship. This activity really helped in increasing total number of students placed in academic year 2017-18.
- **Guardian Faculty Member (GFM) -**

The institute has implemented GFM scheme from academic year 2017-18. This scheme is helpful in improving the students' academic performance through continuous interaction and guidance.

A GFM is appointed for a batch of every 15 to 20 students in the class. Important information about the students including personal details, academic information and participation in extra and co-curricular activities is maintained by GFM in a student GFM booklet. Regular meetings of the students are conducted by GFM in order to understand the problems faced by the students if any. Efforts are taken by GFM to settle those problems. Stressful situations are handled by GFM with grace, patience, understanding and flexibility.

GFM maintains good contact with the students and their parents and communicate the progress of the students to their parents time to time. Depending on the ability and interest, GFM promote the students to undergo value addition courses for skill enhancement.

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

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:

Apart from the conventional teaching practices, the institute focuses on advanced teaching tools and methodologies in order to make the learning process more fruitful and effective.

CASE-1: Review of teaching learning process through 'MY EXAMO' online portal.

As SPPU introduced online examination pattern, there arose a need of conducting mock MCQ based examinations in a systematic manner. The institute started conducting MCQ based tests manually. The process of conduction and evaluation of these tests was quite cumbersome and time consuming. This issue was raised in IQAC meeting and it was resolved to hire a third party services.

The institute hired online services of 'MY EXAMO' portal for reviewing the teaching learning process. The portal provides facility to conduct mock online examinations as per revised pattern of SPPU. By using this portal, faculty members can assign online MCQ tests based on each unit. A staff member can schedule test series to be conducted in future. The portal is having its own question bank covering the syllabus. The faculty members are facilitated to add, edit and share subject wise question banks. The portal selects questions from the question bank on random basis. Students appear for these mock online tests twice a semester. Once the test is submitted the portal automatically evaluates the test and the result of individual student is displayed immediately. The result of class is automatically generated. This result is analyzed by subject teacher and corrective measures are taken. Assignments and study material can be made available to the students by using the portal services. The students can individually practice technical and aptitude tests for competitive examinations like GATE, MPSC and UPSC. The portal helps the students to get acquainted with online examination pattern and thus improves the performance of the students.

The portal is also useful for conducting online feedback of teaching faculty members. The feedback parameters can be customized as per the format designed by IQAC. The registered feedback is evaluated automatically. It also include comments/suggestions by the students. The feedback is presented in the form of line graph, bar chart, pie-chart etc. The generated feedback is presented to IQAC for corrective action if any.

CASE-2: Project based Learning -

In order to increase student's engagement in learning process, the project based learning was initiated by IQAC. Project based learning helps the students to enhance and maintain the interest & improve their grasping of the concepts.

The concepts that are difficult to understand are tackled and made easy through project based learning in systematic method. Group of students is formed and they are assigned a particular task like model making and testing. The concept understood through this activity by the students is then demonstrated in front of the class. During the entire activity the faculty acts as mentor.

Apart from model making, project based learning practices also include participative learning, storytelling, real life examples, group discussion, seminar presentations, debates, mini-projects, demonstrations, role play etc.

This activity helps the students for lifelong learning.

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

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 4.2

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
13	8	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	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
Any additional information	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:

The institute is continuously striving for excellence in all domains right from its establishment. The incremental academic and administrative improvements made by the institute during last five years are as follows:

2013-14

- The institute initiated transport facility for students and staff members.
- A state level technical annual symposium 'TEXCELLENCE' was started.
- Implementation of an online multi-messaging tool 'WAY2SMS' for internal communication.
- Renovation of Sports Ground/Gymkhana.

2014-15

- The institute procured an online admin tool ERP and started its implementation for students and teachers.
- National Service Scheme (NSS) activity, in association with SPPU is started.
- Establishment of Computer Society of India (CSI) student's chapter.

2015-16

- 'SAE BAJA' chapter is formed for the students of mechanical engineering department and the team started participating in the national level event.
- All the classrooms are modified with sound proof technique using acoustics.
- Increase in number of LCD projectors.
- Third party services for housekeeping, security and gardening.
- A Two day National Level Conference on "Advances in Mechanical Engineering" was organized by Mechanical Engineering Department in association with SPPU.

2016-17

- The institute hired online services of 'MY EXAMO' portal for reviewing the teaching learning process.
- Wi-Fi facility became operational.
- R&D Cell was established to promote research culture.
- A spacious canteen 'Sports Café' was started with 800 seating capacity.
- Functioning of Internal Quality Assurance Cell (IQAC) was initiated.

- Construction of new hostel building started for occupancy of 1000 students.

2017-18

- The Online student facilitation Center for students by means of computerized kiosks.
- Guardian Faculty Member (GFM) scheme was initiated.
- Implementation of Digital Course File (DCF) is started.
- 25 teachers received life membership of Indian Society for Technical Education (ISTE)
- To increase the interaction between institute and industry, number of MOUs were signed.
- University sponsored 2 days State level workshop on 'Machine Learning and Data Science' was organized by Computer Department.
- University sponsored 2 days 'National level Workshop on "Design of Experiments"' was organized by Mechanical Engineering Department.
- Solar Panels were installed on the terrace.
- NPTEL local chapter was initiated.
- Digital Display Boards were installed.
- Sewage treatment plant of 0.7 MLD capacity was constructed.
- Open air theatre for cultural programs was constructed.
- Laptops were provided to senior faculty members.

File Description	Document
Any additional information	View Document

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: 14

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
4	3	3	2	2

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:

Women safety and security is an important point of concern for the institute. In order to maintain women security in the institute premises, the institute has installed number of cameras at various locations like computer labs, canteen, library, lifts, building corridors, vehicle parking, main gate, hostel etc. Security personnel have been deployed on each floor of the building for security of female staff and students. Lady security personnel and hostel rector are available for 24 hours in the hostel.

The Internal Complaint Committee (formerly Women's Grievance Cell) for female faculty and students is operational since inception of the institute. The role of this committee is prevention, prohibition and redressal of sexual harassment. The institute has also established "Women Welfare Club" which looks after promoting social awareness about the problems of women, gender equality, health and hygiene, financial stability etc. Various sessions like women empowerment, Save Girl child, administrative rights and safety of women are organized by the club.

The current life style has caused a tendency of ignoring health issues among lady faculties and girl

students. In order to address such problems, the institute has taken initiative by organizing free health check up camps for all lady staff members and students of the institute to help them maintain their health.

In 2015, the institute organized a speech of renowned social worker and activist Mrs. Sindhutai Sapkal. The speech focused important issues like girls education, women empowerment and financial security in order to motivate lady staff members and students. The need of women empowerment through education and financial independence was addressed. The speech inspired the female faculty members of the institute to promote “Mahila Bachat Gat” (Women micro finance group) in nearby villages.

The institute provides equal opportunities to gents and lady staff member with respect to recruitment, higher studies, training programmes, participation in seminars, workshop and conferences. Both genders are involved in organizing the various cocurricular and extracurricular activities like Texcellence (technical event), Amedhyam (cultural event) and VIJAY Trophy (sports event). The institute has achieved good balance of boys and girls students in various associations, NSS and institute level committees.

Counselling: The institute offers counselling through Guardian Faculty Member (GFM) regarding psychological, academic and career issues to the students. Counselling includes issues like stress, depression, homesickness, family problems and poor academic performance. This guidance is important because sometimes student take wrong decision when they are not guided properly. Women’s Welfare Club provides platform for counselling girls students, so that girls feel free to talk about their problems.

Common Room: Common room is provided for relaxation of students. Institute has separate boy’s and girl’s common room with hygienic facilities so that the students can make use of it whenever he/she feels unwell. The common rooms are provided with a bed, mirror and first aid box. The drinking water is also made available in these rooms.

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: 56.46

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 408900

7.1.3.2 Total annual power requirement (in KWH)

Response: 724211

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 2.2

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 290.994

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 13227

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:

Solid Waste Management :

Solid waste management plant is operational in the campus. The solid waste pit size is 25 feet x 25 feet x 10 feet. Green waste in the forms of dry leaves and wet waste is processed and converted for preparing organic fertilizer. The estimated generation of solid waste in campus is about 60 to 80 kg/day which is collected by sweeper and workers from various departments, canteen and garden. Minimum 30-45 days are required to complete one cycle of composting. Castings generated in terms of manure are utilized as an organic fertilizer for gardening.

Liquid Waste Management :

In our campus, daily waste water loading is 0.5 MLD (Millions of Liters per Day) and the daily capacity of the tank is 0.7MLD. In this treatment plant sewage is supplied by separate sewerage system. This waste contains kitchen waste, bathrooms, urinals waste water, storm water. This waste is totally treated in campus using our own waste water treatment plant. This process is totally done in 3 steps. In first

step aeration is done. In this process sewage water is in contact with air for oxidation and up to 70% bacterial load is removed. After this treatment waste water is passed through the settling tank (sedimentation tank) and water is treated for standard detention period up to 4 to 8 hours with velocity of 0.3m/s. Course sediments having specific gravity greater than 1.03 are easily settled down. These settled sediments are removed by using scraper and used for farming and gardening as compost for our campus. After sedimentation process waste water is passed through filtration unit and in this process of rapid sand filtration, remaining bacterial load is removed. This treatment plant is capable of converting 90% of the waste water into usable water. The processed water does not contain any harmful pathogenic bacteria which are responsible for water borne diseases. The treated water is used for watering farms and gardens and remaining solid waste is used as compost. The treatment plant is located away from academic and residential buildings.

E-waste management :

The generated e-waste is handed over to the authorized scrap vendors for reuse of useful components. The registered E-waste vendor of DYPTC campus is M/s Karo Sambhav Pvt. Ltd. 408-409, 4th Floor, Suncity Business Tower, Sector 54, Golf Course Road, Gurugram, 122002, Haryana.

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:

The institute has adopted the policy of rain water harvesting. The institute being located in heavy rain zone that is maval region, the institute has provided system to collect the rain water from the roof of the buildings. The roof rain water runs through the dedicated pipe lines. These pipe lines open into trench and trench water is supplied for gardening purpose. The next phase of this system is to supply this water into the bore wells leading to increase in ground water level.

File Description	Document
Any 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 institute provides bus facility to the students and staff with the aim of minimizing the use of individual vehicles. This initiative is taken to encourage the students and staff members for utilizing the public transport system in order to reduce pollution. Further to reduce the use of personal vehicles the bus facility from Talegaon station to the institute is provided free of cost to all the staff and students. In addition to this the institute provides public bus facility on different routes from Katraj, Chinchwad, Bhosari, Sangavi and Wakad to the institute. Faculty members have started carpooling in line with the institute's policy of green practices for reducing pollution. Along with bicycle few staff are using the bicycle.

The 40 acres green campus is encompassed by wide pedestrian friendly roads. All important locations in the campus are connected by these roads including Cafeteria, Workshop, Hostel, Sport Ground etc.

• **Plastic-free campus** Polyethylene bags and single use plastic tea cups, plates and spoons are banned in campus. In canteen, food parcel are not allowed to prevent the usage of plastic bags. The institute conducts awareness programs like "PLAXIT" for staff and students appealing them to avoid use of plastic in and out of campus. To create the awareness, the institute has also displayed notices at various locations. In view of plastic ban imposed by Government of Maharashtra, the campus is working towards achieving zero plastic usage through awareness among students and staff. As per the policy of adopting environmental friendly practices institute has organized street plays, poster competition etc. to create awareness for reducing usage of plastic in daily life to achieve the goal of pollution free environment.

• **Paperless office** The institute has implemented ERP system for official work and its purpose is to reduce the paper usage. This system enable faculty to view his/her leave record (casual, medical and other leaves) as well as they can apply the leaves online, further these leaves are approved by HOD and Principal online. ERP also provides a facility to access record of the daily attendance and salary slip of every month. It also provides Wi Fi application form, record of library holdings, outdoor master etc.

The institute uses Office 365 system (an integrated platform by Microsoft) for communication among the faculties. This in turn makes the communication faster as well as paper less. It helps to streamline circulation of notices among the staff, communication of the institute with the outside world including industries and other organizations. Institute uses the MyExamo software to record the feedback of the students every semester.

Green landscaping with trees and plants

The campus is full of various species of plants and trees which has created natural and pollution free environment. Variety of medicinal plants are planted in the campus. There are around 19000 plus plants and trees which makes the campus lush green.

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: 3.15

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
22.25	8.50	22.38	1.80	7.00

File Description	Document
Green audit report	View 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: A. 7 and more 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: 11

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
4	2	2	2	1

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: 14

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
4	4	3	2	1

File Description	Document
Report of the event	View Document
Any additional information	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
Any additional information	View 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
Any additional information	View 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
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
Any additional information	View 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: 11

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
4	2	2	2	1

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:

Celebration of Independence Day (15th August) and Republic Day (26th January)

At DYPIET the Independence and Republic day is celebrated every year to re-experience the spirit of patriotism and to honour the glorious past of our Country. The ceremony starts with the flag hoisting followed by National anthem. The march used to be by the security guards every year. The students perform various activities like singing, dance, poetry and speeches. The NSS students arrange a play on different important issues to create awareness. The session ends with the distribution of snacks and sweets.

Birth Anniversary of Dr S Radhakrishnan (5th September) and Birth Anniversary of Sir M. Visvesvaraya (15th September)

The institute also celebrate the birth anniversary of Dr S. Radhakrishnan, the great philosopher, the first Vice President of India and the second President of India. This day is celebrated in honor of the teachers who are in the unique position to shape and encourage the minds of students in every sphere of life. On 15th September birth Anniversary of Sir M. Visvesvaraya is celebrated as Engineers Day. Students from various departments organize different activities and competitions like essay writing, debate competition etc.

Birth anniversary of Swami Vivekanand and Jayanti of Rashtramata Jijau (12th January).

The institute celebrate the birth anniversary of Swami Vivekananda as National Youth day. In past, the department of electrical engineering had organized a speech competition. Also on 12th January last year, Prof. P.P. Mone delivered a motivational lecture to staff and students based on the events in the life of Rashtramata Jijau.

Birth Anniversary of Shivaji Maharaj (19th February)

The event starts with the “Prabhat Pheri” with boys performing lezim as the procession with Shivaji Maharaj, Jijabai and son Sambhaji. Boys and girls beating the dhol at the same time chanting with ‘Har Har Mahadev’. The speaker has been called to guide the students about the journey of Shivaji Maharaj.

Birth Anniversary of Dr Babasaheb Ambedkar (14 April)

Contributions of Dr Babasaheb Ambedkar in bringing parity among various sections of society are recalled. It is emphasized that in spite of tough times he faced; he never gave up and achieved what seemed to be impossible. His great contribution to the nation including ‘Constitution of India’ various reformatory enactments passed by the parliament in his tenure as minister of law, Government of India.

Birth Anniversary of Dr APJ Abdul Kalam (15th October)

Dr APJ Abdul Kalam, popularly known as the ‘Missile Man of India’ was born on 15th October 1931 in Rameswaram, Tamil Nadu. Dr Kalam was the 11th President of India. On this day we arranged a speech competition “Mission 20-20”. Various incidences proving their greatness are shared with the audience.

Science exhibition was organized at institute for school students in maval region to promote the interest in science and to encourage the scientific creativity among the students. In this competition the students have participated in groups to present their project.

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 information about faculty members of each department with their qualification and experience is available on institute website for current and aspiring students. The website also provides details about laboratories and other infrastructural facilities available with each department. The details regarding eligibility criteria and admission process are made available on institute website in line with apex regulatory bodies. The useful information such as syllabus, time table, University question papers, schedule of events, list of holidays etc. can be referred by the students on institute portal. Student representatives are actively involved in working & decision making of concerned institute level committees like IQAC, Student Council, etc. As per SPPU guidelines students are entitled to obtain copy of their answer sheet for review and if any discrepancy is observed, they can apply for rechecking/ re-evaluation. It is mandatory for the institute to display the marks of Online and In-semester (Mid- Term) university examination.

Workload & academic calendar is provided to teachers in advance. Teaching feedback is also made known to respective teacher for self improvement based on student comments and corrective actions suggested by HOD and Principal. Principal form various committees to maintain transparency for the smooth conduction of the program. Annual academic report of the institute is formulated and discussed amongst the all stakeholders.

Financial Transparency

The Accounts Department of the Institute is engaged in providing the services pertaining to financial transactions of students, faculty and staff. The institute accepts fees through online transaction and demand draft and strictly follows the fee structures approved by Fees Regulating Authority. In every academic year, a budget is prepared by considering requirements of various departments and sections. The institute has formulated a comprehensive purchase policy in order to provide the guidelines for the purchase committee for the procurement of required materials/equipment on timely and economical basis fulfilling standards of quality and service. Purchasing is done with the approval of purchase committee which ensures the adherence of the followed procedure with the set norms. At the end of year, accounts department undergoes a financial audit so as to ensure transparency in the utilization of funds.

Administrative

The overall administration follows rules and regulations laid by apex regulatory bodies .The administrative data is maintained on an ERP system. Administration section also assists in services for students such as examination and scholarship form filling. Kiosks are installed and operational in the campus where a student can check his financial transactions with the institute and submit request for various documents required from the student section.

Auxiliary Function

Students Council is formed by following guidelines provided by SPPU. The selection of the committee members is done by considering the applicant's willingness and past experience for different positions of the council. The annual cultural and sports programs are organized by student council involving volunteers from all departments. It is made mandatory for the canteen and mess service provider to display rates of menus and cuisines. The accounts of students association of all departments are audited every year.

File Description	Document
Any additional information	View Document

7.2 Best Practices**7.2.1 Describe at least two institutional best practices (as per NAAC Format)****Response:****Title of the Practice : Digital Course File****Objectives of the Practice**

- To develop outcome based system.
- To build up the system which provides student assessment information at a click.
- To develop the system which will give the attainment level of Course Objectives (Cos) and Program Objectives (POs).
- To develop a systematic way to improve the performance.

The Context

At DYPIET, from the last few years, we have been striving to bring in outcome based education (OBE) system which is proposed and emphasized by organizations like NAAC and NBA. DYPIET has been very keen for introducing changes in the existing traditional approach to improve the quality of technical education. For decades the institutes have been following the practice of maintaining the student data of courses taught and assessing the quality of teaching by examining hard copies of student data. A typical course file is of 100 pages on an average so it results in huge data. A thorough examination of this data can lead to recognition of meaningful patterns and helps in identification of easy and difficult courses as well as bright and weak students in each course. However assessing such a huge data is cumbersome and puts unnecessary burden on the teaching fraternity and consumes a lot of effective academic hours.

The Practice

At DYPIET we have found the solution to this problem by making use of digitalization of the data in the form of "Digital Course File". In DCF, an assessment of students performance is based on his/her term test & assignment marks. The algorithms have been developed in MS Excel VBA to process the collective data in order to differentiate between bright and weak students and measure the attainment of all course

objectives. This analysis is helpful to identify difficult courses so that remedial classes can be arranged to support the weak students and redesign of teaching plan as and when required. Based on the analysis it is possible to answer the following questions:

- What is the number of bright and weak students in a given course?
- What is the COs & POs attainment of a given course
- What are the difficult courses where redesign of teaching plan is required?
- What are the courses where more emphasis is required on the prerequisites to enhance the grasping of the course by students?
- Refer the syllabus for the concern subject provided by Savitribai Phule Pune University (SPPU).
- Prepare course handout containing Course Objectives (COs), Course Outcomes, Program Objectives (POs), mapping of COs with POs, Program Specific Outcomes (PSOs), CO Weightages, Lesson Plan and attainment of course outcomes.
- Program Outcomes (PO) are decided by the department based on Bloom's taxonomy as recommended by accrediting bodies.
- Faculty has to do mapping of CO's with POs, prepare chapter plan, list of experiments, assignments, term test question papers and assessment schema covering all COs as per weightage.
- Next step is to start filling data in DCF file which includes subject & faculty details, student details as per the batches, CO & PO details, CO-PO mapping, term test marks, assignment marks, laboratory experiments, attendance, term work details etc.
- The outcome of DCF is in the form of identification of bright and weak students, attainment of COs and POs for a given course.

We also conduct an orientation program for providing guidelines to make faculties acquainted with DCF.

Evidence of Success

The adoption of DCF has brought forth the following:

- DCF was implemented in the academic year 2017-18 so far 180 Digital Course files have been generated.
- After digitization of all the data, it is possible to calculate and reconcile the performance of all the students and extract this data as and when required. DCF has thus provided an interactive way to improve the performance.
- As the data of students is made available through DCF, the process of managing student data became time saving and thus allowing the faculty to devote more time for primary function of teaching and learning.
- With DCF, it has become possible now to check whether all COs and POs of a given course are attained.

Problems Encountered and Resources Required

- As SPPU keep updating its syllabus as well as course structure, periodic changes in DCF design are needed.
- To make the faculty acquainted with use of DCF programs took considerable time as the code complexity demands the input of data in particular format.
- Along with the COs in the SPPU syllabus, HODs had to conduct brain storming sessions for

forming additional COs to meet the requirement of DCF.

- While developing algorithms for DCF, the programming team had to rectify the program code number of times to overcome the various bugs encountered during the implementation phase.

SECOND BEST PRACTICE

Title of Practices : Initiative towards Green Campus

Objectives of the Practice :

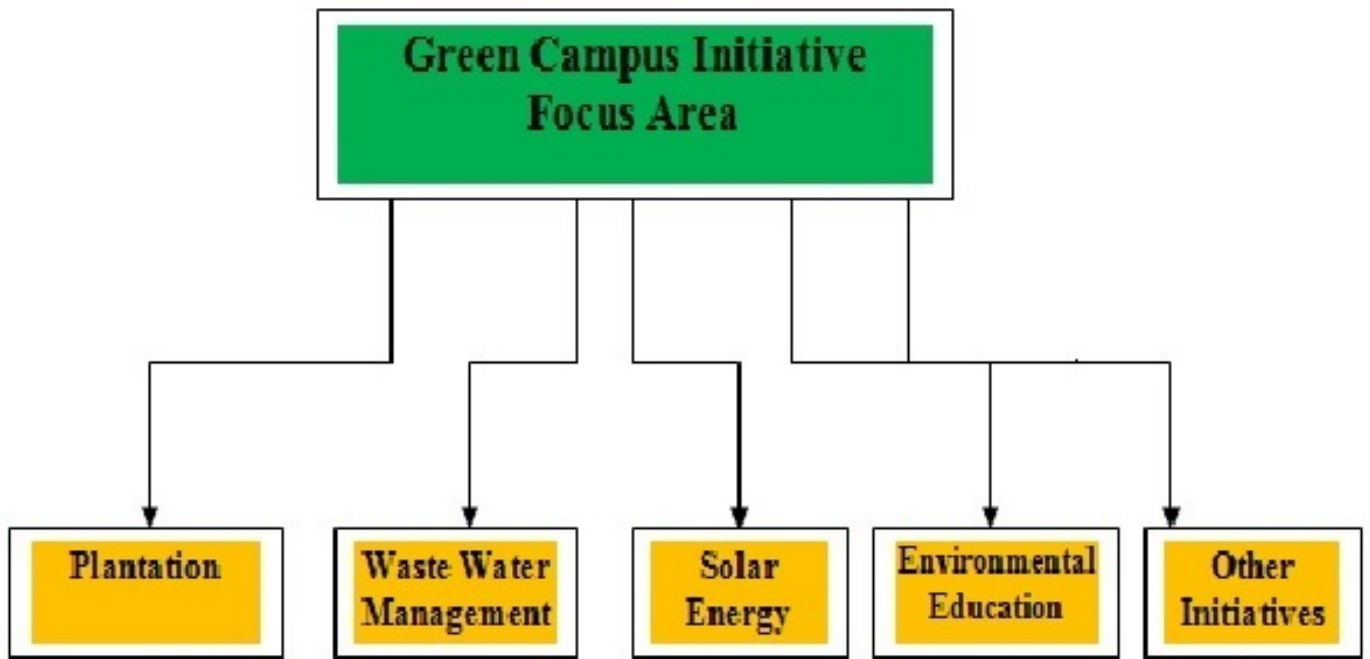
- To develop responsible attitude and commitment towards green environment.
- To promote clean energy.
- Optimum utilization of water.
- Motivate students and staff through environmental education.

The Context :

Air pollution is increasing day by day. It has gone to

- such a high level in some parts of the country that it has become cause for many human respiratory diseases and has affected the human health significantly. This arises the need to treat the pollution issues on high priority basis.
- The industrial area in the vicinity of the campus is polluting air by carbon emission. The institute has taken an initiative to contribute in counterbalancing the emission.
- Due to process of industrialization the load on the conventional energy sources is increasing significantly so there is need to use nonconventional energy sources.

The Practice :



NVA

NAAC

The institute strongly believes that environmental sustainability should be integrated in every aspect of life. To achieve this goal the institute is emphasizing on the following areas:

Plantation: We think that this world can be made a better place to live by taking such initiatives like the Green Campus.

- Plantation allows us to set an example on how sincere approach and constant efforts ensures solution to the environmental problems. The institute has taken efforts to cover the campus by nice greenery including lush green lawns, avenue trees and gardens. Approximately **126** species of plants of environmental and medicinal importance are planted in an area of 40 acres. Total count of the plants including all the species is more than 19000.
- **Water:** In our campus, liquid waste management is achieved by constructing a sewage treatment plant of 0.7MLD. The treated water is used for gardening purpose.
- **E-Waste management:** The generated e-waste is handed over to the authorized dealer periodically.
- **Energy:** The institute has taken the steps to increase contribution of solar energy in total energy consumption. Solar plant of capacity 283.20 KW is in installation phase which will reduce the

campus dependency on the conventional energy sources. The institute is also committed to provide the excess electricity generated by solar plant to the state electricity board.

- **Environmental Education:** The institute has conducted numerous environmental education programs such as solid waste management, liquid waste management, setting up of medicinal plant nursery, water management, tree planting, energy management, landscape management, pollution monitoring methods etc. The number of display boards on environmental awareness such as – save water, save electricity, no wastage of food/water, switch off light and fan after use, plastic free campus etc. has been placed in the campus.

The institute has recently organized a program on awareness of pollution caused by use of vehicles by students and staff members. This activity helped to spread the awareness on carbon emission at individual as well as social level.

The institute encourages students to carry out the projects based on environmental issues as well as non-conventional energy sources.

Other Initiatives:

- Tree plantation by the students at MIDC Talegaon police station and nearby villages.
- Drip irrigation is implemented at few places.
- College building is beautified with indoor plants at different places.

Evidence of Success

D Y Patil Technical campus has been awarded State level first prize with “Chhatrapati Shivaji Maharaj Vanshree Puraskar” in 2016. This award is in the form of cash prize of Rs. 1 Lac and a trophy. This award is given by **Government of Maharashtra** in the field of social forestry to the organizations performing best in plantation and conservation.

Problems Encountered and Resources Required

- Land demarcation for plantation and green landscaping.
- Lack of awareness about environmental protection issues.
- Lack of pipe line network for collection of waste water from various sources to Sewage treatment plant.
- Considerable fund allocations needed for various green initiatives like plantation, solar power plant, sewage treatment plant etc.

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

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:

Dr Vijay Patil, President, Dr D.Y. Patil Educational Academy (DYPEA) embarked on an ambitious dream project nearly two decades ago: create a sports academy to rival the best in the world. The aim was to support the cause of cricket as well as other sports – tennis, football, badminton and so on. The dream is now reality. For the overall development of the students, the institution has developed a sports ground of international standards with all supportive state-of-the-art facilities.

Students are subjected to exam throughout the year. During this few may be face problems like anxiety, tension and nervousness. The institute always try to promote sport culture among the students. Students are youth of the country and they can be more benefited by the sports activities. The benefits to the sports playing students are, they may be more disciplined, healthy, active, and punctual. They can be easily cope up with difficult situation in their personal and professional life. Being involved in the sports helps to easily overcome from the anxiety, tension and nervousness. It teaches everyone to work in team by developing a sense of cooperation and building team-spirit. More inclination towards sports makes both, a person and a nation, healthy and strong. So, it should be promoted by the parents, teachers and government of the country.

The sports ground has 16079 Sq. m. in area, well maintained with latest facilities. To provide the excellent lighting throughout the ground, the masts are the tallest. Permanent diesel generators have been installed to ensure uninterrupted power supply. The ground has total 4 poles and 30 lights per pole. Total 120 lights are on the ground and each light is having 2kW capacity. For maintenance, well trained ground staffs have been appointed. These facilities are made available to corporate and other social groups in Talegaon & Pune region. Recently, 14th **D.Y.Patil T-20 cup 2018** matches were played between D.Y. Patil team A Vs Indian Oil and D.Y. Patil B Vs. BPCL. The institute also has access to all the facilities of international DYPSA stadium, Nerul where Under-17, **FIFA World Cup 2017 football** matches were played. Also, DYPSA stadium hosts IPL matches since 2008.

Maharashtra Cricket Association/ DYP T-20/ Maharashtra Cricket Association (Girls)/ Mumbai Cricket Association invitational matches are played every year on this ground. Corporate T-20 cup and Software Company tournaments are also played.

Inter-collegiate district level cricket competition namely “**Rajveer Trophy**” is organized every year by the DYPTC & D Y Patil Sports Academy (DYPSA) which is very popular and always get an overwhelming response. This year, total 16 teams from different colleges participated in the competition.

During annual gathering, a sports event named “**Vijay Trophy**” is celebrated on the large scale. Different games like Cricket, Football, Basketball, Kho-Kho, Kabaddi, Volleyball are organized on the stadium. Along with outdoor games, indoor games like Carrom, Table-tennis, Chess, Badminton, box cricket, dashball are also played during the event. Students as well as teaching and non-teaching staff participate as a team member in Vijay Trophy.

This excellent culture of sports helps the students to grow in another dimension, instil leadership qualities and team-spirit in them. This also helps for their healthy physical development, which ultimately leads to their comprehensive development and enhance their ability to work as competent engineers.

Our students had played on National level for Weight lifting and Football. Some students played Cricket on Kolhapur state level, other state levels, and Inter Zone (SPPU) level. Some played on cross country level. Here are a few examples.

Sr.No	Name of Students	Achivments in Sports
1	Mr.Bhakuni Dhirajsingh Bhagatsingh	Reliance Foundation Youth Sports Football Championship 2017
2	Mr. Nilesh Dubey	Reliance Foundation Youth Sports Football Championship 2017
3	Mr. Sangramsinh Desai	Reliance Foundation Youth Sports Football Championship 2017
4	Mr.Samyak Moholkar	International skate Ring Ball Championship 2017
5	Mr. Kishor Parmeshwar Marbe	3rd International Karate Championship 2017
6	Mr. Rishik Shetty	National Level Football Championship 2015-16

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

5. CONCLUSION

Additional Information :

1. Dr. D. Y. Patil Technical Campus organized a state level science exhibition for secondary and higher secondary students in January -2018.
2. Celebrities like singer Shaan, Shankar Mahadevan etc. performed in the annual cultural event of the institute.
3. National and international cricket stars like Prithvi Shaw, Wasim Jaffer, Mandeep Singh, Suryakumar Yadav, Shreyas Iyer have played on DYPIET cricket ground.
4. On completion of solar power plant institute will become self sufficient for energy needs and will be able to provide add on harness to state grid.
5. The institution has a bus facility for students from various locations of Pune.
6. Institution has developed excellent cafeteria facility for staff and students providing variety of menus.

Concluding Remarks :

D. Y. Patil Institute of Engineering and Technology, Ambi has been approved by AICTE, DTE and affiliated to Savitribai Phule Pune University (SPPU). The campus is spread over an area of 40 acres. Strenuous implementation of academics has made it possible for our student from Information Technology program to be university ranker. Government of Maharashtra and civic bodies has also recognized and certified dissertation work of post graduate students from Civil Engineering program. Various self-sponsored and sponsored conferences, workshops and faculty development programs contribute in technical grooming of students and faculties. For the overall development of the students, the institute has established various student chapters such as SAE, ISHRAE, CSI etc. NPTEL local chapter assists the students and faculties in technical enrichment. Central library has developed its own learning management system as ready reference of knowledge source for students. The institute has attained 15th rank at national level through BAJA activity. NSS activities of the institute have been graded with A and A+ in 2017-18 and 2016-17 respectively by SPPU. The student of the institute has secured 1st rank in Skate Ring Ball Championship 2017 at international level held in Bangkok. For green initiative, the campus has been awarded with 1st rank in “Chhatrapati Shivaji Maharaj Vanashree Puraskar- 2016”, from Government of Maharashtra. These institutional efforts and achievements are leading towards achieving incremental progress in the vision set by the institute.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.3	<p>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</p> <p>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</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>3</td> <td>2</td> <td>1</td> <td>1</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	9	3	2	1	1	2017-18	2016-17	2015-16	2014-15	2013-14	0	0	0	0	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
9	3	2	1	1																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
0	0	0	0	0																	
1.3.2	<p>Number of value added courses imparting transferable and life skills offered during the last five years</p> <p>1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years</p> <p>Answer before DVV Verification : 62</p> <p>Answer after DVV Verification: 15</p> <p>Remark : Corrected as per revised list excluding repetition of Value add courses</p>																				
1.4.2	<p>Feedback processes of the institution may be classified as follows:</p> <p>Answer before DVV Verification : A. Feedback collected, analysed and action taken and feedback available on website</p> <p>Answer After DVV Verification: B. Feedback collected, analysed and action has been taken</p>																				
2.4.4	<p>Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years</p> <p>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</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>6</td> <td>2</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	2017-18	2016-17	2015-16	2014-15	2013-14	15	6	2	0	0	2017-18	2016-17	2015-16	2014-15	2013-14	2	1	1	0	0
2017-18	2016-17	2015-16	2014-15	2013-14																	
15	6	2	0	0																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
2	1	1	0	0																	

Remark : Considered only awards from the revised documents attached

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
11	10	9	9	6

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
13	11	10	10	7

Remark : Revised as per correction provided by HEI

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

3.3.4.1. Number of research papers in the Journals notified on UGC website during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
46	15	12	15	18

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
34	9	7	8	12

Remark : Revised as per corrected list provided by HEI

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
4	1	2	1	0

Answer After DVV Verification :

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

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

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
214.76	228.0	247.00	184.56	182.03

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
236.78	262.23	271.60	209.73	214.15

Remark : Revised as per corrected document certified by CA

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

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)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
148.66	78.82	73.83	37.40	45.85

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
148.66	78.82	73.83	39.02	45.85

Remark : Corrected as per revised statement of accounts

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)

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1	4	2	1	2

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0	4	3	1	2

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14

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.

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

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	1	0	0

Answer After DVV Verification :

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

Remark : Thai Golden cup award and limca books of records considered

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

	<p>Answer before DVV Verification : C. Any 2 of the above Answer After DVV Verification: C. Any 2 of the above</p>																				
7.1.8	<p>Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years</p> <p>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)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>279.2858</td> <td>8.5</td> <td>22.38</td> <td>1.8</td> <td>7</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>22.25</td> <td>8.50</td> <td>22.38</td> <td>1.80</td> <td>7.00</td> </tr> </tbody> </table> <p>Remark : Revised as per corrected statement of accounts attached.</p>	2017-18	2016-17	2015-16	2014-15	2013-14	279.2858	8.5	22.38	1.8	7	2017-18	2016-17	2015-16	2014-15	2013-14	22.25	8.50	22.38	1.80	7.00
2017-18	2016-17	2015-16	2014-15	2013-14																	
279.2858	8.5	22.38	1.8	7																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
22.25	8.50	22.38	1.80	7.00																	

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations