



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING AND TECHNOLOGY, NAGPUR
Name of the head of the Institution	Surendra V. Gole
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07103-275951
Mobile no.	9423683433
Registered Email	info@stvincentngp.edu.in
Alternate Email	naac@stvincentngp.edu.in
Address	Gavsi Manapur, Wardha Road
City/Town	Nagpur
State/UT	Maharashtra
Pincode	441108

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Urban			
Financial Status		private			
Name of the IQAC co-ordinator/Director		Jyoti Rothe			
Phone no/Alternate Phone no.		09860661522			
Mobile no.		9860661522			
Registered Email		jrothe@stvincentngp.edu.in			
Alternate Email		j_p_rothe@yahoo.co.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://naac2018.stvincentngp.edu.in/Self%20Study%20Report.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		https://www.stvincentngp.edu.in/wp-content/uploads/2020/03/Academic-Calendar-2019-20-Even.pdf			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.19	2019	28-Mar-2019	27-Mar-2024
6. Date of Establishment of IQAC			02-Jul-2018		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries	

One Week STTP on Emerging Trends and Innovations in Electrical Engineering for Sustainable Living	26-Nov-2018 6	25
FDP on Signal Image processing and Its application	10-Dec-2018 6	38
One Week Faculty Development Program on Machine Intelligence- Approaches & Implementation	26-Nov-2018 6	12
STTP ON Practical Exposure to FEA and Digital Manufacturing at SVP CET Nagpur	22-Apr-2019 5	20
03 days FDP on Human resource Enrichment	18-Jun-2018 3	118
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Department of Electrical Engineering	STTP	AICTE	2018 6	315000
Department Of Electronics & Telecommunication	STTP	IIIT Jabalpur	2018 6	160000
Department of Information Technology and IIITDM Jabalpur and MHRD	FDP	IIITDM Jabalpur	2018 6	173485
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	Yes
If yes, mention the amount	315000
Year	2019

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. MOUs with Industries and Foreign Universities to enhance the employability and skill development 2. Started Center of Excellence in Machine Learning 3. Conducted 03 Days FDP on Human Resource Enrichment for Teaching Faculty Members, Conducted One Week FDP and STTP on Signal Image processing and Its application, Machine Intelligence Approaches Implementation, Emerging Trends and Innovations in Electrical Engineering for Sustainable Living, Practical Exposure to FEA and Digital Manufacturing 4. Institute is NAAC Accredited with A Grade on March 28, 2019 5. Started Yoga and meditation Center, Happiness Cell, Recreation center for students

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

Plan of Action	Achivements/Outcomes
Strengthening MoU's with foreign Universities	MoU signed with two foreign universities. Internship , Projects and expert talks are carried out.
Industry Institute Interaction Activities.	Signed MoUs with the reputed industries to carry out the Industry based projects and Industry Internship for the students
Submitting Research Proposals to various funding Agencies.	AICTE sanctioned MODROB proposals one STTP proposal
Improve the Internship for Under Graduate students	All final year students did internship in the industries.
Addition of Smart Class Room	Smart classroom is developed in the institute
Motivating faculty members to pursue Ph.D. and research	Study leaves and research-grant-in aid is provided to the faculty members
Imparting regressive training to students making them campus ready	Conducted Technical Skills enhancement training programmes, soft skill development programmes, Aptitude test like AMCAT, FACE, etc. for students to make them campus ready.

Conduction of Internal Audit	Internal Academic and Administrative Audit conducted for all Administrative Units/Departments. Department wise, verified the existing processes and suggested the changes required.				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="118 495 794 539" style="text-align: center;">Name of Statutory Body</th> <th data-bbox="801 495 1477 539" style="text-align: center;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td data-bbox="118 539 794 595" style="text-align: center;">College Development Committee</td> <td data-bbox="801 539 1477 595" style="text-align: center;">24-Aug-2019</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	College Development Committee	24-Aug-2019
Name of Statutory Body	Meeting Date				
College Development Committee	24-Aug-2019				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes				
Date of Visit	25-Mar-2019				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	14-Jan-2020				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	<p>Management information system at St. Vincent Pallotti College of Engineering and Technology is developed with the following objectives ? To relocate from existing Manual System to Software based (online) system. ? To enhance system effectiveness. ? To provide easy access to the system with the local subsystem facility. ? To enrich student knowledge in MIS domain. List of features in the MIS. 1. Student Management System: New version for fresh students registers system students can sign up with their UID on the online portal and fill their basic and previous academic details and achievement. 2. First Year internal marks system: To use for the firstyear faculty to auto calculate Makes according to the requirement, faculty maintain only one excel file with the original format of marks. 3. Training Agency Feedback System: This system is</p>				

on the Internet so that student easily fills and submits their feedback it can also generate a graphical report to take a decision. 4. Store/Inventory System: This system records each and every purchase and maintains issue record department wise. 5. Scholarship system: Students can fill new updated scholarship applications on the college portal. This helps the admin and accounts department to track fees collection. 6. Online TC Generation System: This system helps them to generate TC Online automatically. They only view and print those TC. 7. EPayment Gateway: This system helps students to do an online payment of miscellaneous fees. 8. Library System: The library management system is a project which aims in developing a computerized system to maintain all the daily work of the library. 9. Staff attendance system for punch machine: Fingerprint time attendance system 10. Online Exam for ES First Year Subject: This System generates 20 marks of the University Exam. 11. Student Clearance System: Clearance system for pass out students 12. Training and Placement Online Portal: The following are the facilities that are provided by the system to the user: • Notice generation • Student list generation • View student profile • Mailing • Result analysis 13. Leave Management System: Faculty can apply leave and views there leave status In admin login, admin can sanction or reject the leave applied. 14. Online Aptitude test: This System generates 40 marks of Aptitude test. 15. Grievance Redressal: Students amp faculty can Complaint or give suggestions. 16. Academic Feedback: Conduction of Academic Feedback mid and end course in both Semesters 17. Purchase order System: Its maintain serialization of the order according to the financial year. This system generates invoice reports according to the respective department. 18. Computer Centre Inventory: It's a simple inventory management system for the computer Centre to maintain their issue and return of items. 19. Admission Lite: College basic Information at the time of admission process for generation of I Card. 20. CO PO Attainment System: CO PO Attainment

system for first year. 21. Attendance Management System: Features like Internal mark calculation, assignment uploading, resource Uploading was introduced.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Institute is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University and approved by AICTE. Faculty members contribute in framing of syllabus by participating in various bodies of University. The Institution ensures effective curriculum delivery through a well-planned academic calendar which adheres to the University schedule. Heads of Department and academic co-ordinators are responsible for planning and monitoring of overall academic activities and its functioning. The Institute's Core Committee provides objectives and guidelines for effective curriculum delivery. Internal Quality Assurance Cell (IQAC)/QAC prepare the academic calendar in line with University academic calendar. Each Department prepares their objectives in alignment with the institute's objectives. Head of each Department allocates the theory and laboratory courses to faculty members according to their choice, area of specialization, experience and time table is prepared accordingly. Faculty members plan course delivery and accordingly prepare Course File which includes University Syllabus, Course Outcomes, PO-PSO Co-relation, Level of attainment, Teaching Plan, Tutorial Plan, Tutorial Sheets, Assignment Sheets, Sessional Question Paper with Marking Scheme, University Question Papers, Question Bank, Result Analysis (Sessional), Result analysis (University), CO-PO-PSO Attainment, List of Reference Books, NPTEL Videos, Beyond Syllabus Details. Faculty Members maintain students' attendance and ensures effective course conduction through continuous assessment. Continuous assessment tools consist of tutorials, assignments, mid and end semester examinations, practical performance, presentation and viva-voce. To improve effectiveness of teaching-learning process, students' feedback is taken regularly. HOD shares this feedback with faculty members; counsel them wherever necessary and corrective actions are taken. Course Faculty discusses sessional performance with students. Remedial classes are conducted for the failure students to improve their results. Students get an opportunity to improve their sessional performance through the improvement examination. Overall professional development of students is achieved with the help of Industry Visits, Internships, Mini and Major Projects. IQAC/QAC conducts academic audit at the end of the semester/year to ensure quality of academic delivery. Parents Teacher Interaction (PTI) is conducted to discuss their ward's performance. The teachers and mentors/class counsellors take efforts for over-all development of the students. The Institute has developed in-house software, Management Information System (MIS), to monitor students' attendance, students' feedback and syllabus coverage. To improve students' employability, the Department/ Skill Development Cell/Training and Placement Department organize various training and certification programs including Campus Recruitment Training(CRT). Seminars, webinar, guest lectures and industrial visits are arranged to keep the students updated with current developments. Self-learning and Life-long learning abilities of students are developed by promoting use of various learning platforms like SWAYAM, NPTEL, MOOCs (Edx, Coursera, Udacity, Udemy), Spoken Tutorials, Virtual Labs, E-Yantra. Views on the curriculum are taken

from the industry experts, academia experts, parents and alumni to improve teaching learning process and academics. The staff members are constantly encouraged to attend refresher courses, conferences, workshops and seminars to update their knowledge. Institute is Remote Centre for ICT courses of IIT Bombay which empowers faculty members to use modern digital tools like Moodle, WordPress and Google Classroom.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
CAD-Course in Creo-Elements software	NA	17/01/2019	5	To enhance the employability opportunities in mechanical engineering design	3D Modelling, drafting, design analysis of mechanical components/systems
PLC Training (Trainer- Mr.Deepesh Shrivastava (Sr. Er. Bajaj Steels Industries ltd.)	NA	13/03/2019	5	To enhance the employability opportunities in Electrical Engineering	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Civil Engineering	19/06/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	Mechanical Engineering(PG)	01/07/2018
Mtech	Computer Engineering(PG)	01/07/2018
BE	Mechanical Engineering(UG)	01/07/2018
BE	Electronics & Telecommunication Engineering	01/07/2018
BE	Computer Science & Engineering(UG)	01/07/2018
BE	Electrical Engineering	01/07/2018
BE	Information Technology	01/07/2018

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

	Certificate	Diploma Course
Number of Students	47	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Agile with Scrum (Udemy)	16/07/2018	59
Software Testing (NPTEL)	30/07/2018	73
Spoken Tutorial – Advance CPP	07/03/2019	61
Orientation Induc tion Program	23/07/2018	446
Paper presentation on e-Waste Management	04/08/2018	27
Screening of Documentary Film “ Eulers Spoiler: A Living Legend”	17/01/2019	258
Overview to Silicon tool	16/01/2019	21
Virtual Lab on Digital VLSI - IIT Gowhati	08/02/2019	29
CAD-Course in Creo-Elements software	17/01/2019	36
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Engineering	73
BE	Mechanical Engineering	406
BE	Electrical Engineering	70
BE	Information Technology	74
BE	Electronics & Telecommunication Engineering	61
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Student's feedback on teaching Student feedback is used to evaluate and improve teaching effectiveness. Students' are required to provide feedback about a teacher/faculty and rate their teaching effectiveness through the use of student rating form. The following parameters are rated by the students on a four-point scale (1 needs improvement, 2 satisfactory, 3 good, 4 very good). Procedure for Feedback Collection 1. A meeting of all the academic coordinators with the Vice-Principal is conducted to plan and schedule the collection of students' feedback. Accordingly, the format and schedule are finalized. 2. Generally, feedback is collected online. The computing facilities available in each Department are utilized for the conduction of feedback. The necessary arrangements required for online conduction of feedback are made by the TPDC. 3. The students' having more than 75 attendance in class are asked to provide their feedback as per the schedule. The Department academic coordinator and the class counselors coordinate the feedback collection process. Feedback Analysis Process The feedback mechanism is a well-organized system in the Institute. Collected feedback report, which includes student's comments, is provided to Head of Department, Principal, Vice Principal, and Manager. The feedback is quantified Based on the result of the analysis the HOD identifies the strengths and weaknesses of the individual faculty member and counsels them for improvising their teaching effectiveness Necessary steps/action is initiated by the HOD to address the student's concern. In addition, the HOD and academic coordinator interact regularly with the focus-group students which provide detail information, elicit unanticipated responses, allow for clarification of student satisfaction and concerns. The report on action taken by HOD to improve the effectiveness of faculty teaching is submitted to the Principal/Vice-Principal. The feedback compiled by the software is as follows All the parameters mentioned in the feedback form are analyzed at two levels: For each subject a. Points given by students for each parameter out of 7 items are added. b. Points for all items are added to calculate the total points for each subject. c. Average rating of teacher out of 4 is calculated from the total points PARENTS FEEDBACK Parent-Teachers Interactive (PTI) is organized every year, where parent's opinion about facilities is collected and deliberated to take corrective measures. ALUMNI FEEDBACK Alumni are our best evaluators to suggest improvements in institutional facilities. Their feedback is collected during annual alumni meet every year or individually during their visit to the Institute.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	MECHANICAL ENGINEERING	120	125	125
BE	ELECTRONICS & TELECOMMUNICATION ENGINEERING	120	122	122
BE	ELECTRICAL ENGINEERING	60	62	62
BE	COMPUTER ENGINEERING	60	61	61
BE	INFORMATION TECHNOLOGY	60	62	62
BE	CIVIL	60	59	59

	ENGINEERING			
Mtech	MECHANICAL ENGINEERING CAD / CAM	18	1	1
Mtech	COMPUTER SCIENCE AND ENGINEERING	18	6	6
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1931	15	118	4	2

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
124	124	7	44	1	7

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

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

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

The process of mentoring of students is a regular practice in the Institute. The mentor - mentees are assigned for three years. The mentoring of students is carried out a minimum two times a year and maximum as per the need. Apart from routine mentoring process, the process of weak students' analysis is carried out and mentoring of the students for improvement in the results is done by the respective course teacher irrespective of the mentor assigned. The process of mentoring is as stated below:

- The form is designed in such a way that the results of previous semesters are included in the form and need to be updated regularly. It also has the entire information of the student.
- The mentees are assigned to mentor at the beginning of the third semester. The number of mentees assigned to the mentor depends upon the number of students admitted. Mentees are allotted equally to the faculty members. Mentees have to go to their respective mentors once they are assigned to the mentors.
- The mentors have to get the Mentoring form filled from the mentees and have an informal interaction with them to get acquainted with each other.
- If the students are given any suggestions, the mentors have to keep a check on whether the suggestions are implemented by the mentees or not.
- Apart from academics, the mentees are also mentored to enhance their skills and cherish their hobbies.
- They are also given directions during each interaction to attain their goal and aim. They are also helped to set proper goals as per their expertise and calibre. The mentoring for academically slow students is also carried out to improve the results with a format to focus on their weak technical areas.
- Fast learners are mentored separately to further motivate their performance in their career development activities.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1946	124	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
124	124	0	0	24

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Prafull Madhukar Tarwatkar	Assistant Professor	Rashtriya Pratibha Award
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	417461210 - MECHANICAL ENGINEERING	8	10/05/2018	07/06/2018
BE	417437210 - ELECTRONICS TELECOMMUNICATION ENGINEERING	8	10/05/2018	07/06/2018
BE	417429310 -ELECTRICAL ENGINEERING	8	10/05/2018	07/06/2018
BE	417424510 - COMPUTER ENGINEERING	8	10/05/2018	07/06/2018
BE	417424610 - INFORMATION TECHNOLOGY	8	10/05/2018	07/06/2018
Mtech	MECHANICAL ENGINEERING - CAD / CAM	4	25/06/2019	10/07/2019
Mtech	COMPUTER SCIENCE ENGINEERING	4	25/06/2019	10/07/2019
View File				

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

Continuous Internal Evaluation System: The institute emphasizes on continuous evaluation of students throughout the academic session. Evaluation scheme is drafted and presented by QAC/IQAC and approved by the institute's Core Committee that consists of Management Representatives, Principal, Vice-

Principal, and Heads of all the departments. Formal and informal feedbacks collected from various stakeholders helps in reforming internal evaluation. Theory Evaluation: Pre-University Examination: The institute conducted Pre-University theory examinations for academic session 2013-14, 2014-15 as a practice for writing university examination. Class-Test: The institute conducted class-test for academic session 2013-14, 2014-15 on partial contents for continuous evaluation of students. Sessional Examination: The institute conducts two sessional examinations in mid and at the end of every semester. This help students to practice attempting the theory paper as per the university examination pattern. The sessional question papers are reviewed by departmental quality assurance cell (DQAC) to ensure the quality. The improvement examination is also conducted to facilitate students for improving their performance. Tutorials/Assignment: Students are continuously assessed throughout the semester to ensure problem solving and self-learning ability. Online Test: Multiple choice online examinations are conducted (Session 2015-16 Odd Semester) to gain hands on experience of online examinations like GATE, Campus Recruitment Examinations, etc Practical Evaluation: Continuous evaluation contributes for 15 marks which are awarded to every experiment based on performance and viva voce. End semester internal practical evaluation contributes to 10 marks. The case study/mini project/ technical seminars are continuously evaluated based on the guidelines provided by the respective departments. Project Evaluation: Projects are evaluated on predefined Rubrics and shared with the students. Periodic evaluation of projects is carried out by Project Review Committee (comprising of three faculty members including project guide) and suggestions/comments are recorded in project diary. Final evaluation is carried out by mentors/industry experts/alumni along with Project Review Committee and guide.

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

The institute takes every effort for the academic calendar adherence with respect to the conduct of continuous internal evaluation (CIE). The institute IQAC/QAC prepares academic calendar in accordance with university academic calendar. The Institute academic calendar is shared with the students and faculty members. The Institutes academic calendar indicates dates for commencement of classes, student feedback, sessional examinations, improvement examinations, final year project seminar, last day of teaching, course end survey, remedial classes, university examinations, co-curricular activities. The IQAC/QAC also defines Continuous Internal Evaluation policy. Faculty Members plan execution as per policy with the help of teaching plan, tutorial plan, tutorial sheets, sessional question papers, CO-PO attainment record and result analysis. Students performance in theory courses are evaluated based on two sessional examinations. The evaluation of the answer books is carried out within 3/4 days after the examination. The students are given an opportunity to improve sessional performance through improvement examinations, conducted one/two weeks after sessional examinations. Tutorial lectures are also used for continuous evaluation of theory course to evaluate students performance through presentations, assignments, technical quiz, crosswords and alike. Tutorial lectures are conducted on regular basis as defined in time table. The internal practical evaluation is done through regular journal assessment, performance of experiments, obtained results, graphs and viva voce. Project groups maintain project diary which contains the detailed record of the project progress and its evaluation. Individual student's performances in group project are evaluated twice in a semester.

2.6 – Student Performance and Learning Outcomes

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

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
417424610	BE	INFORMATION TECHNOLOGY	74	70	94.59
417424510	BE	COMPUTER ENGINEERING	74	72	97.30
417429310	BE	ELECTRICAL ENGINEERING	74	64	86.49
417437210	BE	ELECTRONICS & TELECOMMUNICATION ENGINEERING	129	116	89.92
417461210	BE	MECHANICAL ENGINEERING	138	131	94.93

[View File](#)

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://www.stvincentngp.edu.in/wp-content/uploads/2020/03/Student-Satisfaction-Survey.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	240	ETES Technoloies Pvt. Ltd, Nagpur	0	0
Major Projects	270	ISRO	0	0
Any Other (Specify)	90	Unnat Bharat Abhoyan	0.5	0.5
Minor Projects	120	IIIT Hyderabad	0	0

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
workshop on OOPS BY IT networkz Infosystems	Electronics Telecommunication Engineering	06/08/2018

Introduction to Lab view its application	Electronics Telecommunication Engineering	16/02/2019
Hands on Workshop on Software defined Radio(SDR)	Electronics Telecommunication Engineering	09/01/2019
Workshop on Sensorics with PLC SCADA	Electronics Telecommunication Engineering	18/12/2018
Workshop on Antenna Designing Simulation	Electronics Telecommunication Engineering	04/10/2018
Expert Session on , Smart Study by prakash Apte	Electronics Telecommunication Engineering	05/07/2018
Guest Lecture on Application of E T Engineering, Implementatio n of various I.T. Initiatives in coal Industry and Placement Opportunities in it. D. D. Shrikhande	Electronics Telecommunication Engineering	28/08/2018
Expert Session on Research Funding Proposals, By Dr. Patrikar	Electronics Telecommunication Engineering	02/11/2018
Expert seminar on Job oriented embedded systems design and its Applications, by Mr. Vinay Chaddha, CEO, GVC Systems Pvt. Limited, Noida.	Electronics Telecommunication Engineering	18/10/2018
Guest Lecture on signal and system By Dr. Prabhat sharma	Electronics Telecommunication Engineering	29/03/2019
Workshop on Machine Learning	Information Technology	20/05/2019
Training Program on Computer Awareness for Non Teaching staff by Prof. S.M.Wanjari	Computer Engineering	28/07/2018
One week skilling program on 'C' Language for Second Year Students	Computer Engineering	23/07/2018
Three Day Workshop on Database Management Systems by Mr. Prashant Munshi, Etrics Sol. Pvt. Ltd., Nagpur	Computer Engineering	03/08/2018
Interaction with the Alumni working in Nagpur	Computer Engineering	15/09/2018

INFINITY 2k18	Computer Engineering	28/09/2018
Workshop on Internet of Things	Computer Engineering	08/03/2019
Industrial visit to regional remote sensing centre, Nagpur	Computer Engineering	19/12/2018
Visit to Anandawan	Computer Engineering	29/11/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
SAE BAJA Championship AISHWA RIDERS	Team ASHWA RIDERS	SAE BAJA	04/02/2019	Innovation - All Terrain Vehicle
Two Teams selected for eYIC (eYantra Idea Competition) Team1: National Final at IITB Team2: Regional Final at PIC, Pune Price amount : 10,000/-	ETC Student Team	IITB	01/03/2018	Innovation
Hidden Owner Identity Mechanism for File Storage Server	Prof. M. V. Bramhe	Indian Patent Advanced Search System	01/03/2018	PATENT
View File				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Virtual Book Store	Product Based	15/08/2018
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
NA	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
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International	Basic Science Humanities	1	5.8
National	Mechanical Engineering	6	0.6
International	Mechanical Engineering	1	0.6
International	Electronics Telecommunication Engineering	9	5.92
National	Electrical Engineering	1	0.6
International	Electrical Engineering	7	0.6
National	Computer Engineering	4	0.6
International	Computer Engineering	5	1.6
International	Information Technology	21	5.8
View File			

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

Department	Number of Publication
Information Technology	23
Mechanical Engineering	19
Electronics Telecommunication Engineering	9
Electrical Engineering	4
Computer Engineering	2
Basic Science Humanities	6
View File	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Variable Bandwidth filter for Software Defined Radio	K.S.Vaidya	International Journal of Innovative Technology Exploring Engineering	2019	0	Assistant Professor, Electronics Telecommunication Engineering Department, St. Vincent Pallotti College of Engineering	0

					g Technology, Nagpur	
Introduction to MRI process and review on fMRI analysis	Shiju Samuel	International journal of Innovative Technology and Exploring engineering (IJITEE)	2019	0	Assistant Professor, Electronics Telecommunication Engineering Department, St. Vincent Pallotti College of Engineering Technology, Nagpur	0
A study on codebook design Techniques in SCMA	Madhura kulkarni	International Journal of Control and Automation	2019	0	Assistant Professor, Electronics Telecommunication Engineering Department, St. Vincent Pallotti College of Engineering Technology, Nagpur	0
Encoder for SCMA	Madhura kulkarni	International journal of recent Technology Engineering (IJRTE)	2019	0	Assistant Professor, Electronics Telecommunication Engineering Department, St. Vincent Pallotti College of Engineering Technology, Nagpur	0
ATMEGA 2560 Micro controller Programming FireBird5 using Arduino-IDE	Mr. Rohan Vaidya	Resource Content Creation of E - Yantra, Spoken Tutorial, IIT Bombay	2018	0	Assistant Professor, Electronics Telecommunication Engineering Department, St. Vincent Pallotti College of Engineering Technology, Nagpur	0
On the Parametric	Mr. H. Rajurkar	Springer Nature Swi	2019	0	Assistant Professor,	0

Analysis of Bio Inspired Printed Monopole Antenna For Wireless Sensor Network in Agriculture		tzerLand				Electronic s Telecmmu nication E ngineering Department ,St.Vincen t Pallotti College of Engineerin g Technolo gy,Nagpur	
Long term Evolution LTE based Architecture for m-Health Application	Mr.S.Ranganakar	Research International Journal of Multidisciplinary	2018	0	Assistant Professor, Electronic s Telecmmu nication E ngineering Department ,St.Vincen t Pallotti College of Engineerin g Technolo gy,Nagpur	0	
Simulation Of Utility Fed Micro Inverter For Solar Photovoltaic System	Dr.A.S.Werulkar	RTMNU, Science Journal	2018	0	Professor, Electronic s Telecmmu nication E ngineering DAssociate epartment, St.Vincent Pallotti College of Engineerin g Technolo gy,Nagpur	0	
Trust establishment in chotic cognitive environment to improve attack detection accuracy under primary user emulation	Mr.M. Shri raghavan	Iranian journal of science and technology transactions of electrical engineering	2018	0	Assistant Professor, Electronic s Telecmmu nication E ngineering Department ,St.Vincen t Pallotti College of Engineerin g Technolo gy,Nagpur	3	
D-HOM: A Novel	Prof. M. V. Bramhe	Ciencia e Tecnica Vitivinicola Journal	2018	0	Professor, Electronic s Telecmmu nication E	13	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A study on codebook design Techniques in SCMA	Madhura kulkarni	Internatio nal Journal of Control and Automation	2019	18	0	Assistant Professor, Electronic s Telecomm unication Engineerin g Dept.
Green Manu facturing Drivers and their relationsh io for small and medium (sme) and large industries	Minhaj Ahemad Rehman , Dinesh Seth , R.L. Shriv astava,	Journal of Cleaner Production	2018	150	19	Asst.Prof Department of Mechanical Engineerin g
Performanc e, combustion and emission analysis of a diesel engine fulled with algae oil algae biodisel	S.S Satput aley, D.B. Zodpe, N.V . Deshpande	Material Today	2018	138	26	Asst.Prof Department of Mechanical Engineerin g
Experiment al CFD analysis to study the effect of inlet	M. P. Kshirsagar ,Rohan R. Pande, V. R. Kalamkar,	Environmen t, Develop ment and S ustainabil ity,	2018	47	4	Asst.Prof Department of Mechanical Engineerin g

area ratio in a natural draft biomass cookstove					
View File					

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

Number of Faculty	International	National	State	Local
Presented papers	20	0	0	23
Attended/Seminars/Workshops	0	58	3	29
Resource persons	1	2	0	0
View File				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Observance of International Day of Yoga	NSS Unit	3	20
School Visit to Matoshri Mainabai High School	NSS Unit	2	24
Guest Lecture on Adolescent Issues for girls	NSS Unit	2	75
Seminar on Women Health	Suggestions Grievance Cell NSS Unit	3	50
Drawing Competition in Jeevoday Special School	NSS Unit	1	48
Eco Friendly ganesh Idol Immersion	NSS Unit	6	30
Visit to "Kendriya Prathmik Shala" for donating books and stationery to the school students	NSS Unit	2	35
Demonstration of Use of Fire Extinguishers	NSS Unit	2	10
International Women Day	NSS Unit	2	20

Visit to "Kendriya Prathmik Shala" for delivering session on Good Touch and Bad Touch	NSS Unit	2	30
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood Donation Camp	Recognition	Rainbow Blood Component Bank, Nagpur	150
Indian Kart Racing Championship	Overall Championship-Cash Prize of Rs. 80000 Best Endurance Prize of Rs. 10000 Best Innovation -Prize of Rs. 10000	ISIE Noida	25
SAE BAJA Championship	Overall Championship National Rank 1 - Prize Amount is Rs. 2 Lakh	SAE BAJA	45
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
National Service Scheme	NSS Unit and Rainbow Blood Bank	Blood Donation Camp	6	150
National Service Scheme	NSS Unit and Rainbow Blood Bank	Medical Health Check Up Camp	7	1660
National Service Scheme	NSS Unit and Nagpur Municipal Corporation	Swachhata App Awareness Program	4	105
National Service Scheme	NSS Unit	Tree Plantation Under Swachhta Pakhwada	1	21
View File				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
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Applied Grammar Project	IIT H faculty + Third Year students	Nil	30
Internship	Entuple Technologies Pvt Ltd, Pune, Ms. Mrunalini Buradkar	Amt 20750 Rs from SVP CET	25
STTP	"Summer School on Machine Learning IIIT Hyderabad, Dr. Raghwan"	Amount- 5800 from SVP CET	6
Internship	Morarjee Textiles, Dr. Hema Kale	Amount-2000	13
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Project Work	Constraint Solver for Improving Sentence Translation Using Google OR Tools	IIIT Hyderabad	01/07/2018	30/04/2019	Harshit Patel Sheetal Patne
Internship	Internship	Entuple Technologies Pvt Ltd, Pune	10/06/2019	05/07/2019	Mrunalini Buradkar
STTP	Training	Summer School on Machine Learning IIIT Hyderabad	08/07/2019	13/07/2019	Dr. M. Raghwan
Internship	Internship	Morarjee Textiles	22/04/2019	04/05/2019	Dr. Hema Kale
Project Work	Machine Learning Based Image Processing on LISS-IV Data Sets	ISRO	01/07/2018	30/04/2019	Shubham Kalaskar Shatayu Mondhe Vishakha Soman Ruth Paul Antara Gaikwad
Project Work	Development of Automation	IIIT Hyderabad	01/07/2018	30/04/2019	Hrishikesh Ladikar Tanushree

	Tool for Bilingual Corpus Alignment				Bakshi
Project Work	Real Time Data Logging Cloud Based Data based Management System for AIRCON Monitoring System	Heta data, Nagpur	01/07/2018	30/04/2019	Arati Sawarkar
Project Work	Digital Water Quality Quantity Management System	ANV Infotech, nagpur	01/07/2018	30/04/2019	Himani Kumbare Rashmi Bhilkar Manali Thakre Pratik Nagrecha V. Maggidwar
Project Work	Creation of Hindi Spell Checker To Improve The Processing of TESSRACT OCR	IIIT Hyderabad	01/07/2018	30/04/2019	Nikhil Khuje Poonam Kolhe
Project Work	Share Market Prediction	Zero Mile Edutech Nagpur	01/07/2018	30/04/2019	Kunal Shroff Sarvesh Adgurwar Chinmay Kadke S. Baseshankar
View File					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
IIIT Hyderabad	23/04/2019	Applied Grammar Project for schools	6
Niramay Bahu Uddeshiya Seva Sanstha (Under Unnat Bharat Abhiyan)	18/02/2019	Projects	68
Scientech Technologies Pvt. Ltd., Pune	10/08/2018	Project, Guest Lecture, workshop, Internship	90
Rexroth Bosch Group	13/04/2018	Project, Guest Lecture, workshop,	34

		Internship	
Syslogyx	13/02/2018	Project, Guest Lecture, workshop, Internship	69
IT- Networkz Infosystem Pvt. Ltd.	14/03/2018	Project, Guest Lecture, workshop, Internship	65
CADD CENTRE, Nagpur	13/08/2018	Student's Training	90
National Power Training Institute, Nagpur	14/09/2018	Academic Consultancy	11
AppXBuild Technologies Pvt. Ltd, Nagpur	20/11/2018	Project/Internship	9
WebGile Solutions Pvt. Ltd, Mihan, Nagpur	01/03/2019	Internship	3
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
15746500	11535784

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LibSoft (In house)	Partially	1.0	2012

software,
Maintained by TPDC
Dept)

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	29181	7281137	597	255789	29778
Reference Books	118	130537	1	4006	119	134543
e-Journals	0	2889942	1	76457	1	2966399
Digital Database	2	50000	1	19470	3	69470

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Prof. Binu Joy	https://etcsvpc.gnomio.com	MOODLE	01/06/2018
Mrs.Swati Mirlekar	oopsurl.wordpress.com	Wordpress	01/06/2018
Mrs. Swati Mirlekar	https://www.youtube.com/results?search_query=swatimirlekar	YOU tube	01/06/2018
Dr Hema Kale	https://www.youtube.com/watch?v=6a5BfdG2jFw	YOU tube	01/06/2018
Dr. S.S. Limaye	https://www.youtube.com/watch?v=Aus3lpK4NDk	YOU tube	01/06/2018

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	692	18	110	18	1	59	115	110	0
Added	90	0	0	0	0	0	0	0	0
Total	782	18	110	18	1	59	115	110	0

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

110 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Youtube Video on - SP Unit 1 Lecture 1	https://www.youtube.com/watch?v=xzUcG5RNrdk&t=168s

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
28495500	26514064	22247500	15258541

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The Institute has all requisite infrastructure like class rooms, faculty rooms, girls' common room, laboratories, and library. Few slots are exclusively reserved in regular time table to ensure effective utilization of the facilities. Concerned faculty members ensure the presence of students conduction of activities. The Institute has in-house maintenance team for maintenance of all Physical, Academic, and Support facilities such as building, electrical, plumbing, classrooms, laboratories, Sports complex and Library. General maintenance team handles Electrical, plumbing and building related issues. Regular checkup of Electrical appliances is done by electrical maintenance staff and maintained with immediate actions. Plumbing related issues such as leakages/blockages are managed on time by Plumbing team. Regular infrastructure inspection helps to find repairs/paints requirements and the team arranges for the same. To keep the Diesel Generator operational, timely maintenance is outsourced. The Institute outsourced safety related facilities maintenance that includes: Lift, Fire extinguisher Diesel Generators (Back up 82.5 KVA and 235 KVA). The Institute gives utmost importance to cleanliness and hygiene on campus. A team of 2 nonteaching 14 housekeeping staff takes care of hygiene and cleanliness to provide a congenial learning environment. Classrooms, Staff rooms, Seminar halls, Laboratories, etc are cleaned and maintained on daily basis. The maintenance officer conducts periodic checks to ensure the efficiency/working condition of the infrastructure. Periodic maintenance checks by staff keep all facilities operational. A centralized Computer Center team maintains all software/hardware, CCTV IT infrastructure related issues. Lab assistants under the supervision of the System Administrator maintain the efficiency of the college computers and accessories. The non-teaching staff is also trained in maintenance of laboratory and computer equipments. Parking facility is well organized. The campus maintenance is monitored through surveillance cameras. Proper inspection is done and verification of stock takes place at the end of every year. Central library has its dedicated human resource and the departmental libraries are taken care by the department office assistant and a faculty In-charge of the concerned department. Pest control of library books and records is done every year by the Maintenance Department. All the departments take care of timely maintenance of the laboratory equipment. Most of the maintenance work is completed during summer break and a close monitoring of maintenance activities is a prime responsibility of head of the departments. The Institute has a separate centralized level maintenance functions for every repair of laboratory instruments and equipment. Special trained non-teaching staff functions as maintenance in-charge. Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the Administrative office. Process for

Repair/replacement complaints Dully Filled Complaint Form is forwarded to Maintenance Coordinator. Coordinator inspect the site depute a technical person / suitable person for maintenance. If in-house repair is not possible then the work is outsourced Signature of complaining person is taken on the concerned form once the complaint is resolved.

http://naac2018.stvincentngp.edu.in/maintainence_Physical_academic_4.4.2.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fees Concession	19	935845
Financial Support from Other Sources			
a) National	Awards and Prizes	11	160000
b) International	0	0	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Induction Orientation	23/07/2018	446	Induction Faculty Team
Paper presentation on E-Waste Management	04/08/2018	27	Basic Sciences Humanities Faculty for students of the Department
PPT Presentation Competition	25/08/2018	31	Basic Sciences Humanities Faculty for students of the Department
G D Extempore competition	08/09/2018	43	Basic Sciences Humanities Faculty for students of the Department
Program on Nobel Laureates of 2018	12/11/2018	241	Basic Sciences Humanities Faculty for students of the Department
G D Extempore for II Sem Students	07/01/2019	395	Basic Sciences Humanities Faculty for students of the Department
Debate Competition	19/01/2019	11	Basic Sciences Humanities Faculty for students of the Department
Creative Arts	26/01/2019	30	Basic Sciences

Display			Humanities Faculty for students of the Department
Essay writing competition	02/02/2019	6	Basic Sciences Humanities Faculty for students of the Department
Picture Composition	09/02/2019	11	Basic Sciences Humanities Faculty for students of the Department
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	CRT	384	384	1	241
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
HCL	85	16	SYNTEL	70	10
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	Under Graduate (B.E.)	Information Technology	San Jose State University in Software Engineering, California, USA	MS

2018	1	Under Graduate (B.E.)	Mechanical Engineering	EDUCADD, Pune	PG.DES. COURSE
2018	2	Under Graduate (B.E.)	Electronics & Telecommunication Engineering	CDAC	PGDAC
2018	1	Under Graduate (B.E.)	Electronics & Telecommunication Engineering	We School	PGDM
2018	1	Under Graduate (B.E.)	Computer Engineering	St. Vincent Pallotti College of Engineering & Technology, Nagpur	M.Tech
2018	1	Under Graduate (B.E.)	Computer Engineering	Clarkson University	MS
2018	1	Under Graduate (B.E.)	Computer Engineering	Pursuing MBA in Lean Operations and Systems from Christ Institute of Management, Christ University.	MBA
2018	1	Under Graduate (B.E.)	Electrical Engineering	Salford University, Manchester, UK	Master of Science
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	3
CAT	2
GRE	106
TOFEL	106
Any Other	6
View File	

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

Activity	Level	Number of Participants
Basketball (Boys)	Inter Departmental competitions (Insight)	72

Basketball (Girls)	Inter Departmental competitions (Insight)	72
Dance Competition (Beat Busters)	Institute Level	60
Band (Band Slam)	Institute Level	15
Fun event(Ball E kamal)	Institute Level	60
Fun Event(Orama)	Institute Level	62
Siniging Competition (swarangini)	Institute Level	46
Poetry Competition(Ek Dastaan)	Institute Level	10
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	(Bronze Medal) Second Runner up of International Shotokan Karate Competition	International	1	0	CVL18F065	Vaishnavi Makade
2018	(Silver Medal) Second Runner up of Krida Mahotasava 2018 Inter University competition	National	1	0	S-306/16D	Aniket Patil
2018	(Gold Medal) Winners of Inter university Handball competition	National	1	0	ETC18F082	Poorva Kadu
2018	Participation	National	1	0	S-518/16D	Shardhul Khode
2018	Participation	National	1	0	S-518/16D, ME16F038	Shardhul Khode, Rishabh Hiwase

2018	(Gold Medal) Winners of Intercollegiate university chess competition	National	1	0	S-518/16D, ETC17F088, ME16F038	Shardhul Khode, Anant Kawle, Omkar Shahane, Pranay Adenklwar, Rishabh Hiwase
2018	(Silver Medal) Runner up of Intercollegiate university Badminton competition	National	1	0	SVPC237	Ameya Joshi, Varun Dhabe, Ajinkya Umre, Shreyas Shelke, Nikunj Vig, Yogesh Shahapurkar, Sudhanshu Gajeb
2018	(Bronze Medal) Second Runner up of Swimming Competition	National	1	0	ETC17F082	Tanushree Kale
2018	(Bronze Medal) Second Runner up of Basketball Competition	National	1	0	S-306/16D, CE16F039, CE17F026, EE17F060, ME18F049, S-390/15, S-301/16D	Aniket Patil, Rachit Khade, Aditya Shende, Yashwant Dhote, Palash Akare, Joshi Joseph, Sanket Dhawle, Shreyash Paturkar, Abhinav Geo, Kaustubh Pohane, Shantnoo Datrak, Ayush Kaushik
2018	First	National	0	1	S-139/15	Aditya Meshram

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

The Institute has active Student Representative Council (SRC) of two top rank students of every class. Equal opportunity is provided to other students as Class Representative (CR), who is an elected member of class. Functional objectives of Class Representatives (CR) and Students Representative Council (SRC) members are to: 1. Represent the class as a leader in various administrative bodies. 2. Organize and promote various co-curricular and extra-curricular activities. 3. Assist in organizing Annual Social Festival (INSIGHT). 4. Organize sports events. 5. Motivate students for the cultural activities at the institute level. 6. Organize Annual Technical Event (Technex). Following committees have students' representation: IQAC Student members of IQAC help to propagate quality policies adopted by the institution among the student fraternity and also help in projecting the student view point while taking any quality policy decision. Students' Professional Societies Operations of these societies are managed primarily by the students under the guidance of faculty mentor. Professional Societies available are: ISTE (Indian Society for Technical Education), REC (Renewable Energy Club), SAE (Society of Automotive Engineers), ISHRAE (Indian Society For Heating Refrigeration Air Conditioning), IE(I) (Institution of Engineers(India)), CSI (Computer Society of India), IETE (Institution of Electronics Telecommunication Engineers) Anti-Ragging Cell Student members assist the institution in implementing rigid anti-ragging measures to make ragging free campus. Grievance Redressal Cell The matters of harassment and suppression of any single individual are handled by grievance redressal cell. Student members can help other students to present the grievance in case the sufferers want the representation in absentia. Institute Events All the cultural sports activities (INSIGHT) and national level technical events (TECHNEX) are meticulously planned, coordinated and executed by this committee under the guidance of faculty in-charge. National Service Scheme (NSS) To inculcate awareness of social problems among the students, NSS activities are coordinated and conducted by the students every year. Together with these, the students are officially involved in - College Development Committee (CDC) Departmental Advisory Boards (DAB) These associations are formed in order to develop leadership qualities among the students and to provide every student a platform to enhance his/her skills. Student involvement in various Cells, Events Committees illuminates their profile and gives them an experience for lifetime.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes. The institution has registered Alumni Association. Name of Alumni Association: Tech Pallottine Alumni Association Nagpur Alumni Association Registration No: F-0036374(NGP) Address: St.Vincent Pallotti College of Engineering Technology, Gavsi Manapur, Wardha Road, Nagpur-441108, India. Phone No: 07103-275951, 52, 203745 Website: <http://techpallottinealumni.stvincentngp.edu.in/> Email:alumnicecell@stvincentngp.edu.in OBJECTIVES: 1. To reinforce the sense of belonging towards the alma mater and spirit of fraternity among alumni by providing a common platform for social and intellectual interaction and establishing channels for effective communication. 2. To act as a facilitator in expanding the scope and reach of alumni network through regional associations and activities thereby forging long term relationships amongst alumni and Institute. 3. Promote the growth of the Institute through industry interaction (visits, guest lectures, projects) for curriculum enrichment and mentoring by alumni to aid in the holistic development of students. 4. To be

the ambassadors of the College in the milieu in which they are, and to extend assistance in the research and development programs of the College

OUTCOMES: 1. To foster a culture of contribution among alumni in support of the college and its students by contributing to scholarships or supporting other philanthropic activities. 2. To enhance association with college in areas like interaction with students for academic and technical collaboration in projects, administrative, athletic, research and other outreach programs. 3. To offer voluntary assistance to college in organization of event, meetings and reunion. 4. To create a long-lasting legacy and strong bond between alumni, students, and college enabling them to with their alma mater. 5. To act as a bridge between college and the industries for interaction on new development in different disciplines of engineering.

5.4.2 – No. of enrolled Alumni:

4459

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

<http://techpallottinealumni.stvincentngp.edu.in/ActivityReport.aspx> 1) Graduation Ceremony and Alumni Meet 2019 on 6th April 2019 2) Regional Alumni Meet Nagpur 2nd March 2019 3) Regional Alumni Meet Pune 24th Feb 2019 4) Regional Alumni Meet Mumbai 23rd Feb 2019 5) Nagpur Alumni Meet on 21st Jan 2019

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institute supports decentralization and promotes the culture of participative management. Principal, HODs, faculty members and students play an important role in the decision making process. The Principal and HODs are responsible for the holistic and administrative activities of the institution and department respectively. Selected faculty members discuss and plan for the collection of various events and committees are formed to conduct the event smoothly. They actively participate in implementing the policies, procedures, and framework defined by the management. Students are actively involved in organizing activities of forums like IETE, IEDC, ISTE, IEI, CSI, SAE, E-Yantra, Technex- Technical fest, Insight-cultural fest, to bring their leadership qualities to lime light under the guidance of faculty. Principal / Director along with the core team of the institute is responsible for all the major financial decisions of the institute with governing body approval. The full time appointed financial administrator looks into the execution of the approval projects. Executive Committee consisting of Principal and Director is the approving authority for the financial decisions. Head of the department prepares plan and submits to executive committee for the approval. The department head is the one of a signatory to all purchase orders of the respective department. Case Study: BUDGET Submission of requirement by departments at the end of the financial year with estimated value of the requirements in consultation with department faculty members portfolio incharges. Verification of the documents by the executive committee and allocation of funds in consultation with HOD. Finalization of the budget as per the fund flow status of the institute in preparation of the institute budget. Final institute budget is approved with the sign and seal of the Principal. The institute budget is apportioned as per the fund flow of the institute and as

per the need based requirements of the department. The year wise allocation of the budget including all departments: Electrical ,Mechanical, Electronics Telecommunication, Computer, Information Technology, BS H, others considering various heads of allocation including equipment, software, maintenance, RD, library, infrastructure, travel and miscellaneous. Purchase procedures at departmental level/institute level includes : Departmental financial plan as per allocated budget Identify key areas of investment Invite Quotations / estimates for identified items Shortlist and select vendors in the presence of Principal/Vice-principal, Head of Department and the Financial Administrator. Issue of purchase order with the sign of the HOD and Financial Administrator Material received is entered in Master Stock Book Issue of material by the store with the copy of the bill to the concerned department.

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

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Research and Development	Financial assistance is provided to encourage faculty members to attend quality conferences, workshops or STTP so as to enhance the academic deliverable in their respective course. 2. Faculty members are provided with financial incentives against quality research publication, funding proposals and patent. 3. Interactive sessions and talks are arranged of eminent personalities from industry, RampD organizations and institutions of repute.
Library, ICT and Physical Infrastructure / Instrumentation	The physical infrastructure consists of 35 classrooms, 9 tutorial rooms, 65 laboratories and 5 seminar halls. The Central Library of the institution is spread over 824 Sq.m. The Central Library of the College is well furnished in accordance with the AICTE norms. It is well equipped and computerized, rendering services for effective and efficient operational use. Digital Library with e-books and e-journals facilities. Printed National and International journals. Library has high end server. Faculty members and students can access learning material through it. The institute has sufficient number of computers as per AICTE norms. Each department is provided with computing facility to meet the requirements. Personal Computers are provided to all the faculty members. Laptops are made available to the Head of the Departments and senior faculty members.

Internet facility of 110 Mbps bandwidth is available. Additional software such as MATLAB, Multisim, Ultiboard, Oracle 10 g, Autocad ,Turbo c, Psim, Labview, Pro Engineer Wildfire,Hypermesh10,Simulation CNC Lathe Milling machine, Tally 9, Coral Draw, Adobe premier, Adobe Pagemaker, LocalG (NPTEL video streaming software) and Orell Language lab software.

Examination and Evaluation

The institute practice well-defined continuous internal assessment process. It includes theory course assessment for 20 marks, laboratory work assessment for 25 marks and project assessment for 75 marks as per university marking scheme. Once the core committee approves the evaluation scheme framed by IQAC, the same is shared with students. The assessment mechanism for theory courses: The internal assessment contributes to 20 of total course marks. Sessional - I and Sessional - II contributes for 10 marks (5 marks each), out of a total weightage of 20 internal marks. Sessional examinations are conducted on 50 of course contents. Marking scheme/model answer papers are displayed on the notice boards for the students after sessional examination of each subject. The answer books evaluation is done within 3/4 days after sessional examination. A course teacher shows the answer books to students and discusses their performance and scope of improvement. Every course teacher takes the signature of students on answer sheets. Tutorials / assignments, viva voce contributes for remaining 10 marks of theory assessment. Students' laboratory experiment performances are continuously assessed. The assessment is based on experiment performance, viva voce and end semester internal examination. Assessment for technical seminar, mini project, and case study are defined by respective departments due to varied nature of evaluation aspect at various departments. To assess student's performance in activities such as internships and aptitude course, incentive marks are awarded over and above the regular assessment. Department QAC keeps quality check of assessment processes periodically. Semester/year wise

	<p>academic assessment of students makes the assessment mechanism robust and transparent.</p>
<p>Curriculum Development</p>	<p>The Institute is affiliated to Rashtrasant Tukdoji Maharaj Nagpur University and approved by AICTE. Faculty members contribute in framing of syllabus by participating in various bodies of University. The Institution ensures effective curriculum delivery through a well-planned academic calendar which adheres to the University schedule. Heads of Department and academic co-ordinators are responsible for planning and monitoring of overall academic activities and its functioning. The Institute's Core Committee provides objectives and guidelines for effective curriculum delivery. Internal Quality Assurance Cell (IQAC)/QAC prepare the academic calendar in line with University academic calendar. Each Department prepares their objectives in alignment with the institute's objectives. Head of each Department allocates the theory and laboratory courses to faculty members according to their choice, area of specialization, experience and time table is prepared accordingly. Faculty members plan course delivery and accordingly prepare Course File which includes University Syllabus, Course Outcomes, PO-PSO Co-relation, Level of attainment, Teaching Plan, Tutorial Plan, Tutorial Sheets, Assignment Sheets, Sessional Question Paper with Marking Scheme, University Question Papers, Question Bank, Result Analysis (Sessional), Result analysis (University), CO-PO-PSO Attainment, List of Reference Books, NPTEL Videos, Beyond Syllabus Details.</p>
<p>Teaching and Learning</p>	<p>With the conventional teaching-learning method in place, the institute is committed to enhance students' experiential learning, participative learning and problem solving abilities by adopting various methods.</p> <p>Experiential Learning: Hands-on experience of theoretical knowledge through performance of practical in well-equipped laboratories. Learning with the help of simulators (MATLAB, Lab-View, PSIM, Packet Tracer, MASM, Multisim, Unerello), Video Presentation, Virtual Lab (IIT Bombay)</p>

and Mobile Apps. Self-Learning through Massive Online Open Courses (MOOCs) platforms like edX by Harvard, Coursera by Stanford, Udacity, Udemy, SWAYAM, NPTEL. Knowledge acquisition through CAD course, Insight to Renewable Energy, Introduction to MATLAB, CNC training workshop, workshop on PLC and SCADA, e-Yantra projects, Linux workshop and Oracle training etc. 90 of students undergo Industry Internship for 2 to 4 weeks during the semester break. Participative Learning: Knowledge enhancement through program specific case studies carried out by a group of 5 to 7 students in industry. Mini projects are assigned to the students in groups to enhance their ability to tackle specific engineering problems and to develop their team working ability. Industrial visits / tours are conducted to provide the Industry Exposure. In final year during major project, students get an opportunity to work in a team of 4/5 members under supervision of project guide. This develops their ability to work in a team and solve complex engineering problems. This also enhances their communication presentation skills. Various Inter-collegiate events like Technex (Annual Technical Fest), Insight (Annual Cultural Fest), and departmental technical events such as Inventomania, Mechmerise, Infinity, Festrnix, Infotsav are organized for participative learning and team work. Co-curricular, Extracurricular and Sports activities conducted throughout the year which leads to holistic development of students. Problem Solving Methodologies: Knowledge enhancement through program specific case studies in industry. Mini projects are assigned to the students to enhance the ability to tackle specific engineering problem. Industrial visits / tours are conducted to provide the Industry Exposure. In final year during major project, students get an opportunity to work in a team under supervision of project guide. This develops their ability to work in a team and solve complex engineering problems. Various Inter collegiate events like Technex (Annual Technical Fest), Insight (Annual Cultural Fest),

and departmental technical events such as Inventomania, Mechmerise, Infinity, Festronix, Infotsav are organized for students to get an opportunity to showcase their technical skills to solve complex engineering problems and enhance their technical knowledge.

Industry Interaction / Collaboration

Institute made following platforms available for students for industry connect Institute Industry Interaction (III) Cell is in place (<http://www.stvincentngp.edu.in/iii-cell/>). It conducts and coordinates various activities that help to reduce the gap between industry expectations (practical) and academic deliverables (theory). The cell consists of faculty representative from each department. The faculty members along with student team conduct and organize various activities/events/visits in respective departments to build the industry association. Industry Internship is promoted right from 2nd year of degree course. Students undergo summer training in department specific prominent industry in 2nd, 3rd and 4th year. Industrial tour/visits for each semester, one industrial visit is carried out in discipline specific industry. For 4th and 3rd Year students industry visits/ visits to technical exhibitions of 3 to 5 days are arranged. Industry based projects- students undertake industry based projects. The project is monitored by industry mentor and institute guide. Project Evaluation- In order to ensure the quality of projects, the evaluation is done through industry experts. Industry expert interaction session - various activities are conducted to involve industry experts which includes seminar, interaction session and industry-institute meets. These are organized in view to gain awareness about the latest happenings in the industry, current industry trends and expectations of industry from a fresh graduate. Faculty Industry Exposure: faculty industry training, Involvement of Industry Experts in decision making process-Advisory Board Visiting faculty from Industry Participation in AICTE CII survey.

Human Resource Management

1) We as a Christian Minority Institution follow the rules and

regulations of AICTE / RTM Nagpur University for selection of the faculty members. Members of the selection committee are proposed by the institute and finalized by the University. Such selection panel carries out the faculty selection transparently without any bias. 2) For Faculty Empowerment, HR conducts various quality improvement programs for teaching and non-teaching staff members like FDP, STTP, Workshops, Seminars, etc. 3) Financial support is provided to staff for attending various technical and Non-technical programs. 4) Financial support is also provided for Research publications/Patents/Book Publications, etc.

Admission of Students

All Admissions are done through Centralized Admission process (CAP) conducted by the Directorate of Technical Education State CET Cell under Admission Regulating Authority (ARA), Govt. of Maharashtra. Merit List and Merit number is generated after successful registration of student on the basis of JEE Mains / MHT-CET score on the official portal categorically as All India Merit List, State General Merit list State Category merit list. Allotment is done to the Institute as per students Merit no. Preferred Choice as per the filled option form. All admissions are done as per the prevailing norms framed by ARA / DTE from time to time, strictly in the college campus

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

E-governance area	Details
Student Admission and Support	<p>1) Library System: The library management system is a project which aims in developing a computerized system to maintain all the daily work of the library. 2) Online admission form provided on the institute website 3) Student Management System - fresh students registers system students can sign up with their uid on the online portal and fill their basic and previous academic details and achievement.</p>
Examination	<p>1) Academic Feedback: Conduction of Academic Feedback mid and end course in both Semesters 2) Attendance Management System: Features like Internal mark calculation, assignment uploading, e-</p>

resource Uploading was introduced. 3) Online Exam Facility - Can conduct The finance online examination of various subjects of various semesters as per requirements.

Administration

1) Training Agency Feedback System: This system is on the Internet so that student easily fills and submits their feedback it can also generate a graphical report to take a decision. 2) Store/Inventory System: This system records each and every purchase and maintains issue record department wise. 3) Scholarship system: Students can fill new updated scholarship applications on the college portal. This helps the admin and accounts department to track fees collection. 4) Online TC Generation System: This system helps them to generate TC Online automatically. They only view and print those TC. 5) E-Payment Gateway: This system helps students to do an online payment of miscellaneous fees. 6) Library System: The library management system is a project which aims in developing a computerized system to maintain all the daily work of the library. 7) Staff attendance system for punch machine: Fingerprint time attendance system 8) Student Clearance System: Clearance system for pass out students 9) Leave Management System: Faculty can apply leave and views there leave status In admin login, admin can sanction or reject the leave applied. 10) Academic Feedback: Conduction of Academic Feedback mid and end course in both Semesters 11) Purchase order System: Its maintain serialization of the order according to the financial year. This system generates invoice reports according to the respective department.

Planning and Development

1) Computer Centre Inventory: It's a simple inventory management system for the computer Centre to maintain their issue and return of items. 2) Store/Inventory System: This system records each and every purchase and maintains issue record department wise. 3) Library System: The library management system is a project which aims in developing a computerized system to maintain all the daily work of the library. 3) Purchase order System: Its maintain serialization of

	the order according to the financial year. This system generates invoice reports according to the respective department.
Finance and Accounts	1) E-Payment Gateway - This system helps students to do an online payment of miscellaneous fees. Account departments facing problems on student vacation they want to college money from student but the student is busy with exams some time they on vacation so that this system useful for them. It uses Federal Bank Gateway to deposited in College Account directly. 2) Finance and accounts section uses Tally and excel for carrying out various accounting activities.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr. V.B. Kute	4th world Summit on Accreditation at New Delhi on 7th to 10 sept. 2018	NBA	37971
2018	Mr. Prafull Tarwatkar	STTP on "Resonant Converters and Applications"	NIT Warangal	3720
2018	Mr. Chetan Deshpande	Workshop on 'NAAC's Revised Accreditation Framework"	RCOEM, Nagpur	500
2018	Mr. Homeshwar Nagpure	Training program "Entrepreneurship Educators"	IIT, Bombay	15350
2018	Mrs. Madhura Kulkarni	"Mathematical Modeling Simulations for Wireless Digital Communications"	VNIT Nagpur	2065
2019	Mrs. Reema Roychaudhary	Agile Methodology and design thinking	IITDM, Jabalpur	3000

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	FDP on Image Processing and Its Applications	NA	10/12/2018	15/12/2018	38	0
2018	STTP ON Practical Exposure to FEA and Digital Manufacturing at SVP CET, Nagpur	NA	22/04/2019	26/04/2019	20	0
2018	IIT Remote center - Foundation Program on ICT for education	NA	13/09/2018	31/12/2018	24	0
2018	NA	Koha and Library Automation	12/10/2018	12/10/2018	0	35
2018	NA	Training Program on "Computer awareness for non teaching staff" CE department	28/06/2018	29/06/2018	0	50
2018	Machine Intelligence -Approaches and Implementation jointly conducted by Centre of Excellence -Machine Intelligence Department of Informa	NA	26/11/2018	01/12/2018	12	0

tion Technology,
SVP CET
Nagpur and
Electronics ICT
Academy,
PDPM
Indian
Institute
of Information
Technology

2018	Faculty Development Program on Human Resource Enrichment	NA	18/06/2019	20/06/2019	118	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Foundation Program in ICT for Education - Autumn 2018 IIT Bombay x by PMMMNMTT	3	13/09/2018	18/09/2018	14
Pedagogy for Online and Blended Teaching-Learning Process - Autumn 2018 IIT Bombay x	1	30/10/2018	13/12/2018	14

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
124	124	38	58

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Attending Faculty Development Programmes Attending and presenting research papers in national and	Support to acquire professional qualification and higher studies Support to participate outstation	Bus facility at reasonable cost, Earn learn scheme, Fees waiver to financially weak and eligible students,

<p>international conference Publishing research papers in reputed journals Support to acquire professional qualification and higher studies Support to participate outstation conference / workshop Support to conduct programme to upgrade skills Filing Patents Recreation tour Gratuity Additional Retirement benefits Group Insurance Financial support(Assistance / Loan) Staff Welfare Fund Accident Insurance Scheme for all employees students Security Vigilance on campus Counseling facility Grievance Appeal Committee</p>	<p>conference / workshop Support to conduct programme to upgrade skills Filing Patents Recreation tour Gratuity Medical Insurance Scheme for non-teaching staff members Additional Retirement benefits Group Insurance Financial support(Assistance / Loan) Staff Welfare Fund Accident Insurance Scheme for all employees students Security Vigilance on campus Counseling facility Grievance Appeal Committee</p>	<p>Encouraging students for participating in sports events by funding entry fees, Online fees payment option provided on institute website for facilitating fees payment, Fees payment available in installments, Flexible library timings, Operating NSS unit for self development of students through participation in activities, Book bank scheme, Nirbhay kanya scheme for girl student empowerment, Student's insurance, Industrialist's Guidance sessions for students, Lift system for differently abled (Divyang), RO Purified</p>
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6.4 – Financial Management and Resource Mobilization

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

The institution conducts internal and external audits regularly. Internal financial audit is carried out by college appointed auditors. The accounts of the College are audited regularly as per the Government rules .The internal auditor checks fee receipts and payments with vouchers and necessary supporting documents and ensures that all payments are duly authorized. The external audit is carried out by Chartered Accountant Agency "R.B.Pethe Co." in accordance with the auditing standards by the institute of Chartered Accountants of India every year. The external auditor conducts statutory audit at the end of financial year. The external audit has been completed in March 2018 for the FY 2017-18.Audit reports for the FY 2016-17, 2015-16, 2014-15 and 2013-14 are also prepared by the same agency. According to audit report the Balance Sheets, Statements of Income and Expenditure comply with the accounting standards, generally accepted in India. Various accounting policies are followed in finance and accounts including general accounting policies including basic of preparation of financial statements, depreciation accounting policies, revenue recognition, Institutional level accounting policies including annual budgets, accounting of salaries, advance deduction, accounting of non-salary expenditure, accounting of Capital Expenditure, Tuition Fees, Stock / Assets verification, Quarterly Audits, Annual Accounts. Audited Financial Statement of College is uploaded on website as mandatory disclosure.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Robo Studio and others	453000	Sponsorship towards Technex 19 and Go Kart
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6.4.3 – Total corpus fund generated

208451094

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NAAC	Yes	IQAC-SVPCET
Administrative	Yes	NAAC	Yes	R. B. Pethe Associates

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

1) Parents Teacher Interaction (PTI) is conducted to discuss their ward's performance. The teachers and mentors/class counselors take efforts for the overall development of the students. 2) Parent involvement in Department Advisory Board 3) Views on the curriculum are taken from industry experts, academia experts, parents and alumni to improve the teaching-learning process and academics.

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

1) Training Program on "Computer awareness for non-teaching staff" CE department - 28th,29th June 2018 - 50 participants 2) Koha and Library Automation - IIT Remote center conducted a program on 12/10/2018 with 35 participants 3) Two days of Training Program on Electrical Machine Winding General Electrical maintenance on 17 - 18 Aug 2018

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

1) Centre of Excellence in Augmented Reality (AR) and Virtual Reality (VR) 2) Incubation Centre (ARISE) 3) Industry - Institute Collaboration

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	STTP on "Emerging Trends and Innovations in Electrical Engineering for Sustainable Living"	26/11/2018	26/11/2018	01/12/2018	25
2018	FDP on Signal Image processing	10/12/2018	10/12/2018	15/12/2018	38

		community					
2018	1	0	14/04/2018	30	Commissioning of Solar plant as part of College's initiative towards having a green campus	Power savings and clean energy source	10
2019	0	1	19/01/2019	2	Startup mela Entrepreneurship promotion activities	Grooming local New start-ups	91
2019	0	1	10/04/2019	1	Patent filing assistance guidance	Patent filing for innovators	11
2018	0	1	20/07/2018	90	Design and fabrication of ATV, Gokart, efficycle for racing events	Grooming vehicle designers	43
2018	0	1	21/08/2018	1	Entrepreneurship guidance training	Grooming local New start-ups	32
2019	0	1	16/03/2019	1	Visit to Villages under Unnat Bharat Abhiyan for Village Survey	For Village Survey	6

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

Title	Date of publication	Follow up(max 100 words)
Policy Document	18/06/2018	http://naac2018.stvincentngp.edu.in/c7/7.1.1220HR20Policy.pdf Human values and Professional Ethics Code of Conduct

(handbook) for various stakeholders of the institute has been prepared and shared with each one for the effective delivery and conduction of various activities.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2018	21/06/2018	35
Kargil Vijay Diwas	26/07/2018	26/07/2018	125
Observance of Digvijay Diwas	22/09/2018	22/09/2018	95
Observance of Savvidhan Diwas	26/11/2018	26/11/2018	215
Republic Day Celebrations	26/01/2019	26/01/2019	1026
International Women Day	08/03/2019	08/03/2019	76

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

1) Solid Liquid and E-Waste Management 2) Tree Plantation 3) Biogas Plant 4) Paperless Office 5) Solar Rooftop System of 96 kW 6) Rainwater Harvesting

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: Professional Skill Enhancements activities for Students. 2. Objectives of the Practice: To develop discipline specific/ multi-disciplinary technical skills, and enhance employability. To improve Presentation, Communication, Competitive skills. To build team work and leadership abilities. To provide hands on experience and exposure to various technologies. To propose a structured and pragmatic solution to well-defined problems. 3. The Context: The Institute emphasizes on skill and employability enhancements. These are significant issues emerged out of various surveys of Government/ non-government organizations. This focus of Institute also falls in line with Skill India initiative at National level by Central Government to address the lack of relevant skills among the current and potential workforce of India. The Institute offers self-learning environment by encouraging students to participate in MOOCs through NPTEL (Initiative by IIT Bombay). It encourages students to enroll in SWAYAM, (Study-Webs-of-ActiveLearning-for Young-Aspiring-Minds) and participate in Unnat Bharat Abhiyan, which are the Initiatives of MHRD Government of India. 4. The Practice: Students are encouraged to become members of various clubs operating at departments and institute level. Office bearers, organizing teams, and teams to participate in competitions are formed based on the interest of students and personal interviews. Student members along with faculty coordinators plan various activities of respective clubs and are responsible for successful conduction of those activities. Departments at the Institute organize Technical events and workshops for skill enhancements in association with various forums. In addition to this, regular practices at institute are Participation in national

competitions like SAE, BAJA and Go kart with financial support. Activities in Embedded System and Robotics Lab under e-Yantra, an initiative by IIT Bombay to create the next generation of embedded system engineers. Conduction of 'Technex', central India's largest national level technical festival with 1500 participation. Participation at IIT Techfest and similar competitions and training programs/ workshops. Participation at National Level Paper Presentation project Competition Participation at various regional and national level Robotics and model making competition like LIT Model United Nations, CISCO Security, Robomaker Blind C, Robo Race Robothon, Robosoccer, Robo_GP Participation at various regional and national level technical fest like Compufest, Electrica Smart Grid Apathon", App-a-thon Xplore 9.0 Techsaga, Shikhar, Crank, Mechstroke, Rackathon, Spark Participation at Innovative Idea for Start-up conducted by Lemon School of Entrepreneurship To enhance the skills departments undertake various trainings programs/ workshops with the help of external agencies. 1 Title of the Practice: INDUSTRY CONNECT 2 Objectives of the Practice: To identify Industry requirements. To provide Industry exposure. To develop competency required for Industry. To bridge the gap between Industry and Academia To Enhance employability 3 The Context: Institute is aware of increasing industry demand and need of global competence. Institute is proactive in providing necessary industry exposure to students. An engineering student must know industry problems and propose solution to it hence institute promotes and encourages industry based projects. To gain insight regarding internal working of companies and give exposure to current work practices, industrial visits are organized by all the departments. As against the theoretical understanding, gaining knowledge through hands on practice and job execution is essential for an engineering student, the institute encourages Industry Internships. From the industrial training, the students develop skills in work ethics, communication and management. This practical training program allows students to relate theoretical knowledge with its application. For awareness among students and faculty about the recent trends in industry the Institute organizes interaction programs with industry experts. It provides platform to interact with industries and to get exposure of industry environment. 4 The Practice: Institute made following platforms available for students for industry connect Institute Industry Interaction (III) Cell is in place (<http://www.stvincentngp.edu.in/iii-cell/>). It conducts and coordinates various activities that help to reduce the gap between industry expectations (practical) and academic deliverables (theory). The cell consists of faculty representative from each department. The faculty members along with student team conduct and organize various activities/events/visits in respective departments to build the industry association. Industry Internship is promoted right from 2nd year of degree course. Students undergo summer training in department specific prominent industry in 2nd, 3rd and 4th year. Industrial tour/visits for each semester, one industrial visit is carried out in discipline specific industry. For 4th and 3rd Year students industry visits/visits to technical exhibitions of 3 to 5 days are arranged. Industry based projects- students undertake industry based projects. The project is monitored by industry mentor and institute guide. Project Evaluation-In order to ensure the quality of projects, the evaluation is done through industry experts. Industry expert interaction session - various activities are conducted to involve industry experts which includes seminar, interaction session and industry-institute meets. These are organized in view to gain awareness about the latest happenings in the industry, current industry trends and expectations of industry from a fresh graduate. Faculty Industry Exposure: faculty industry training, Involvement of Industry Experts in decision making process-Advisory Board Visiting faculty from Industry Participation in AICTE CII survey 5 Evidence of Success Internship opportunity for students at various industries Department Industries IT ISRO, IIIT Hyderabad, Persistent Systems Ltd., HetaDatain, gRapha EE Morarji Industries, JSW Industries, UltraTech, Winwind ME

PIX Transmissions Limited, Morarjee Textile Limited, JSW Steel Coated Products Ltd, Vidarbha Industries Power Limited, CE Persistent System Pvt. Ltd, G.R. Solutions, NMC, RMC, NEERI, Gruha App, Nagpur Industries, FIT, V.N. Technosoft, Royal Web , Harrier Solutions, Regional Remote Sensing Centre, Drron Chemical Industries Pvt. Ltd. ETC DRDO-Hydrabad, ISRO-Nagpur, BOSH-Banglore, BARC-Mumbai, BHEL-Bhopal, BHEL-Hydrabad, Mahindra Mahindra Memorandum of Understanding (MOU) - Year 2017-18 2016-17 2015-16 2014-15 2013-14 Number 25 11 8 4 2 Memberships at Industry Association - Confederation of Indian Industry (CII) Students getting placement opportunity through internship/industry based projects in company like Persistent Pvt. Ltd. Nagpur, HetaDatain, Infocepts, etc. Students are recognized for their outstanding performance in internship and live projects. No of industry visits 6 Problems Encountered and Resources Required Limited number of professionally managed industries in and around the region. Less credits for activities related to Industry in curriculum of affiliated University. Industry expects students to undergo internship for extended period however because of university curriculum the extension in the duration cannot be given. Students undergo training in their vacation slot. Duration of industrial visit need to be planned considering the availability of the resource person and academic calendar so that academics of the students are not hampered.

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

<http://naac2018.stvincentngp.edu.in/c7/7.2%20Best%20Practice.pdf>

7.3 – Institutional Distinctiveness

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

ACADEMIC EXCELLENCE-DISCIPLINE-CLEANLINESS The distinctiveness of St. Vincent Pallotti College of Engineering and Technology is in its consistent academic excellence attainment, discipline culture, and cleanliness. The Institute takes lots of efforts in the direction of achieving this. The institute has social recognition for its academic excellence and imparting discipline in terms of punctuality, uniformity, and professional code of behavior. In line to Institute vision "To develop a knowledge based society with clarity of thoughts and charity at hearts to serve humanity with integrity." The Institutes recognition is the natural result of the following strengths: **Academic Excellence** Emphasis on high quality academic excellence through dedicated teaching-learning process that can provide value-added experience for the students. The institute has a legacy of producing university toppers in every semester and in every program. Best Student awards and medals for exceptional performance in the University Examinations are regular practices by students. The institute has a practice of promoting excellence in academics by rewarding the achievers with a cash prize. The institute specifically rewarded the toppers of consecutive semesters (First Year) with a scholarship worth the complete tuition fees under Chairman's award. Technically sound students have brought laurels to the institute by winning Best Paper and Best Project awards. The innovative aspect of students is projected through their patents which they have to their credit. Premier organizations and industry has also recognized the potential of the institute by permitting students for internship. As an outcome of academic excellence, students got absorbed in various renowned industries through campus placement and higher studies. Positive outcome of excellence in academics have been achieved to meet the global requirements. **Discipline Standards** Since its inception, the institute has emphasized on punctuality in terms of reporting on-time for staff and students. The four years of disciplined environment has inculcated in students the qualities of being punctual, responsible, reliable, self-disciplined, time conscious and

elegance. Alumni have acknowledged that they have been valued at their work place because of personality traits gained in a disciplined environment of Institute during their four years of graduation. Cleanliness in the Institute The institute is known for its cleanliness in the region. The institute has received recognition for having a clean campus by AICTE (Participation certificate for AICTE CLEAN CAMPUS AWARD 2017). The institute puts in conscious efforts to enhance the cleanliness and beauty of campus through various initiatives such as: Being particular about an absolute clean surrounding and indulge in upholding it. Waste/litter generated in the institute is managed by the Cleanliness Staff assigned at different location for cleaning activity. Mopping of all floors twice in a day. The dustbins, at all places including classroom and laboratories. Segregation of generated waste at each level and dispose off. Prohibition of plastic use in the campus. The college administration encourages "less paper" policy. Paper plastic shredding machine is operational. Disposition of used sanitary napkins in the incinerator machine in girl's washroom. Use of Bio-degradable garden waste (decomposed in a dedicated pit) as manure. Use of the lawn grass (cut for its maintenance) to produce compost. Two Fixed Dome type Kitchen waste based Bio gas plant for methane generation is installed at the girls' hostel. Liquid waste generated by the institute is treated through Sewage Treatment Plants (STP) and the water is used for horticulture and flushing in toilets. Waste fluid from labs are collected in a tank percolated in soak pits. Institute ensures optimum utilization of electronic equipment and devices. Most of the E-waste in the form of old models or projects are reused in the institute itself for making new projects by the students. The e-waste generated from hardware which cannot be reused or recycled is being disposed centrally through authorized vendors. UPS batteries are exchanged with suppliers in a buyback scheme. Green Audit is conducted in the institute. Various Cleanliness Initiatives organized by NSS Unit of the institute are Cleanliness Drive (<http://www.stvincentngp.edu.in/tree-plantation-under-vrikshayukta-shivira-2-crore-tree-plantation-mission-by-government-of-maharashtra-under-nss/>) SwachchhataA bhiyan(<http://www.stvincen tngp.edu.in/the-creation-of-a-thousand-forests-is-in-oneacorn/>) Swachchh Bharat Abhiyan organized in the Rui Village, Jamtha (<http://www.stvincentngp.ed u.in/C2A8swachata-abhiyan-ek-kadam-swachata-ki-aorC2A8/>) Seminar on Swachchh Bharat mission (<http://www.stvincentngp.edu.in/breathe-easy-lets -plantsome-trees/>)

Provide the weblink of the institution

<http://naac2018.stvincentngp.edu.in/c7/7.3%20Institutional%20Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

1) Increase in Intake Capacity: The Institute is planning to increase the Intake capacity of Computer Engineering from the existing 60 seats to 120 seats from the Academic session 2019 - 20. 2) College Autonomy: The institute is working towards getting Autonomous status from 2020 - 21 session. This will help institute to modify / change syllabus / curriculum with respect to need of Industry. 3) Incubation center: Incubation Center will be started in regard to improve employability and enhance the quality of budding engineers. 4) Center of Excellence: Centre of Excellence in the field of Augmented Reality (AR) and Virtual Reality (VR) will be started in the Information Technology Department. 5) NBA Accreditation: Institute is progressing towards getting NBA Accreditation for Electronics Telecommunication and Mechanical Engineering Branches. 6) Infrastructure development: Institute will be making necessary changes in infrastructure in view of newly started Civil Engineering branches and also in regard to various other aspects required for Autonomy. 7) Industry Collaboration: The Institute is trying hard to get more Institutes - Industry collaboration to strengthen the relationship and improve employability. This will also help to

bridge the gap between Curriculum and Industry requirements. 8) Building Social Connect: National Service Scheme unit in our college is a platform for our students to build strong social connect and do something for society. Institute is willing to organize more such initiatives to strengthen this Social connect with Institute - Student - Society. Under Unnat Bharat Abhiyan, villages will be adopted for technology transfer and improving their social lifestyle.