Yearly Status Report - 2019-2020

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	**DR. SURENDRA VINAYAK GOLE**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**09823086221**
Mobile no.	**9423683433**
Registered Email	**principal@stvincentngp.edu.in**
Alternate Email	**naac@stvincentngp.edu.in**
Address	**GAVASI MANAPUR, OFF WARDHA ROAD, NH - 7, NAGPUR**
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)	https://stvincentngp.edu.in/documents/pages/ssvpcet_1594648481.pdf

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	https://stvincentngp.edu.in/documents/academics/academic_calender_2019_20_even_1585505685.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

5 days workshop on Digital and Analog VLSI circuit Design under IETE 30 aug to 11 sep 2019 (Entuple Technologies Pvt Ltd, Banglore,Global Foundries India)	30-Aug-2019 5	50
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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
SVPCET	Generation of Electricity by Fuel Cells in collaboration with NEERI(CSIR), Nagpur	NEERI	2019 180	65000
Electrical Department	MODROBS	AICTE	2019 365	1242000
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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	1242000
Year	2019
12. Significant contributions made by IQAC during the current year(maximum five bullets)	

1) Applied for Institute Autonomy on 29th Nov 2019 2) MOUs with Industries and Foreign Universities to enhance the employability and skill development 3) Started Center of Excellence in Machine Learning 4) National Level One week Online FDP on Online TeachingLearning Processes using ICT tools for Education 4.0 5) Online FDP on Imparting Moodle OBE Culture 6) Seminar on Chasing Excellence The Shivajian Way", by Dr. Suman Tekade on 21/09/2029 7) 2 weeks fdp on Dissemination of NBA Criteria's, NPTEL Course of Basic Electronics and Industry exposure on Advanced tool in association with Scientech India Pvt Ltd, Indore 8) Seminar on "Interpersonal Skills for the workplace" on 14/09/2019 9) Seminar on "Happiness of Life" on 27/07/2019

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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 MoUs with foreign Universities	**MoU signed with two foreign universities. Internship , Projects and expert talks are carried out.**
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14. Whether AQAR was placed before statutory body ?	**Yes**

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 descripiton and a list of modules currently operational (maximum 500 words)	**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 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 coordinators 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 employ ability/entreprene urship	Skill Development
Workshop on Autocad Mechanical	Autocad	31/07/2019	7	Employabil ity	Skill Development course for 140 3rd Semester students
One Day hands on workshop on Casting by SAE India Collegiate club	NA	09/08/2019	1	Employabil ity	Skill Development course for 80 students of Mechanical engineering
One Day workshop on Geometrical Dimensioning Tolerancing	NA	20/09/2019	1	Employabil ity	Skill Development course for 129 3rd Semester students
One Day Workshop on Additive Man ufacturing	NA	15/02/2020	1	Employabil ity	Skill Development course for 24 ME students
A skill development	NA	01/08/2019	180	Employabil ity	Skill Development

course on Machinery Fault Diagnosis and Signal Processing was organized by Department of Mechanical Engineering in association with Condition Monitoring Society of India.					
CAD Course	CAD	03/01/2020	42	Employability	Skill development
Workshop on Augmented Reality Virtual Reality using Vuforia Unity	AR VR	29/02/2020	7	Employability	Skill development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NA	Nill
[View File](#)		

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	Mtech Mechanical Engineering(PG)	17/06/2019
Mtech	Computer Science & Engineering(PG)	17/06/2019
BE	Mechanical Engineering(UG)	17/06/2019
BE	Electronics & Telecommunication Engineering	17/06/2019
BE	Computer Engineering(UG)	17/06/2019
BE	Electrical Engineering	17/06/2019

BE	Information Technology	17/06/2019
BE	Civil Engineering	17/06/2019
BE	First Year	01/08/2019

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

	Certificate	Diploma Course
Number of Students	497	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Aptitude and Career Planning (Dr. Surendra Gole	01/07/2020	140
Aptitude by Prof Shripad Deo	16/07/2020	145
CRT by Rubicon	22/06/2020	120
	[View File](#)	

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	Final Yr field project (System Design for Induction Hardening for Overhead Crane Wheel)	4
BE	Final Yr field project (Failure Analysis of Pivot Housing in Locomotive of Indian Railways)	4
BE	Final Yr field project (Design of Centrifugal Fan for Cement Industry.)	4
BE	Final Yr field project (Implementation of Lean Manufacturing in Various Industries of Vidarbha Region)	4
BE	Final Yr field project (Design and Development of Semi-Automatic Pneumatic Fixure for CNC Machine for Local Industry)	5
	[View File](#)	

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/VicePrincipal. 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	155	110
BE	ELECTRONICS & TELECOMMUNICATI	120	153	120

	ON ENGINEERING			
BE	ELECTRICAL ENGINEERING	60	71	55
BE	COMPUTER ENGINEERING	120	321	120
BE	INFORMATION TECHNOLOGY	60	100	59
BE	CIVIL ENGINEERING	60	73	53
Mtech	MECHANICAL ENGINEERING CAD / CAM	18	1	Nill
Mtech	COMPUTER SCIENCE & ENGINEERING	18	14	5

[View File](#)

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2047	12	116	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	Numberof smart classrooms	E-resources and techniques used
122	29	13	32	3	13

[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
2059	122	1:17

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
102	122	Nill	5	35

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Prof. Hemlata Sahu	Assistant Professor	Mrs. HB India 2020, Runner Up.The national-level content for Mr. Miss Mrs. HB India 2020 Season 5 held in Delhi on 14th Jan 2020.
		View File	

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	417429310 -ELECTRICAL ENGINEERING	VII	14/11/2019	31/12/2019
BE	417429310 -ELECTRICAL ENGINEERING	V	13/11/2019	31/12/2019
BE	417429310 -ELECTRICAL ENGINEERING	III	14/11/2019	31/12/2019
BE	417437210 - ELECTRONICS TEL ECOMMUNICATION ENGINEERING	III	13/11/2019	31/12/2019
BE	417461210 - MECHANICAL ENGINEERING	V	13/11/2019	31/12/2019

BE	417461210 – MECHANICAL ENGINEERING	III	14/11/2019	31/12/2019
BE	417461210 – MECHANICAL ENGINEERING	VII	14/11/2019	31/12/2019
BE	417437210 – ELECTRONICS TEL ECOMMUNICATION ENGINEERING	V	13/11/2019	31/12/2019
BE	417437210 – ELECTRONICS TEL ECOMMUNICATION ENGINEERING	VII	14/11/2019	31/12/2019
BE	417424510 – COMPUTER ENGINEERING	III	13/11/2019	31/12/2019

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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 PreUniversity 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)

http://www.stvincentngp.edu.in

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
417461210	BE	MECHANICAL ENGINEERING	142	142	100
417437210	BE	ELECTRONICS & TELECOMMUNICATION ENGINEERING	117	117	100
417429310	BE	ELECTRICAL ENGINEERING	77	77	100
417424510	BE	COMPUTER ENGINEERING	74	74	100
417424610	BE	INFORMATION TECHNOLOGY	68	68	100
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2.7 – Student Satisfaction Survey

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

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
International Projects	180	AGH university of science and Tec hnology,Poland	0	0
Projects sponsored by the University	180	SVPCET, Nagpur	0.65	0.04
International Projects	180	AGH University of Science Technology, Krakon, Poland	0	0
Major Projects	180	Morarjee Textiles Limited, Butibori, Nagpur ,Syslogyx and Shrivinayaka Foods Ltd, MIDC	0	0
Industry sponsored Projects	150	QuadTech, Helios Automation, Bajaj Steel Industries Ltd.	0	0
Any Other (Specify)	365	AICTE	12.42	12.42
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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
Seminar on BIW Design	Mechanical Engineering	24/07/2019
Orientation seminar on SAP and Career Oppurtunities	Mechanical Engineering	28/08/2020
Workshop on Networking Basics,Feb 11,2020 (IT-Netwrkz Infosystem Pvt. Ltd.)	Electronics Telecommunication Engineering	11/02/2020
Seminar on Research Paper Publication IPR by Dr. N. K. Dhote	Electrical Engineering	03/07/2019

One Day Workshop on Additive Manufacturing	Mechanical Engineering	15/02/2020
Seminar on Research Paper Publication IPR by Dr. N. K. Dhote	Electrical Engineering	03/07/2019
Moodle Coordinators Workshop	IIT Remote center	29/01/2020
Workshop on Antenna Design Dt: 10 Aug 2019 (Cyronics,Instruments Pvt. Ltd)	Electronics Telecommunication Engineering	10/08/2019
Workshop(Tecnical)17th-18 th Jan,2020 (Workshop on Crane bot(Technex))	Electronics Telecommunication Engineering	17/01/2020
5 days workshop on Digital and Analog VLSI circuit Design under IETE 30 aug to 11 sep 2019 (Entuple Technologies Pvt Ltd, Banglore,Global Foundries India)	Electronics Telecommunication Engineering	30/08/2019
Institutional Training Program on Fuel and Energy Saving by Engineers,	Mechanical Engineering	09/03/2020
Expert lecture on BS6 and EATS (Exhaust After Treatment Systems)	Mechanical Engineering	12/03/2020
5 days workshop on Digital and Analog VLSI circuit Design under IETE 30 aug to 11 sep 2019 (Entuple Technologies Pvt Ltd, Banglore,Global Foundries India)	Electronics Telecommunication Engineering	30/08/2019
One day workshop on Aurdino	IIT Remote center	02/08/2020
One day workshop on R Language	IIT Remote center	09/11/2019
One day workshop on E Sim	IIT Remote center	21/09/2019
Python Workshop	IIT Remote center	22/06/2019
Scilab Workshop	IIT Remote center	04/05/2019
One day Workshop on Moodle Learning Management System	IIT Remote center	15/03/2019
Pedagogy for online and blended Teaching learning process	IIT Remote center	30/10/2019
Moodle Coordinators Workshop	IIT Remote center	01/03/2019

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	Arise	Institute Sponsored (St. Vincent Pallotti College of Engineering Technology, Nagpur)	Ting Tong	Social Media Influencer	01/01/2020
1	Arise	Institute Sponsored (St. Vincent Pallotti College of Engineering Technology, Nagpur)	WSTAM Industries	Manufacturing of Semi Automated Products	01/01/2020
1	Arise	Institute Sponsored (St. Vincent Pallotti College of Engineering Technology, Nagpur)	FeniShop	E-Commerce	01/01/2020
1	Arise	Institute Sponsored (St. Vincent Pallotti College of Engineering Technology, Nagpur)	SMILODON	Manufacturing of Laser Engraving Machine	01/02/2020
1	Arise	Institute Sponsored (St. Vincent Pallotti College of Engineering Technology, Nagpur)	Zeronx	Multimedia, Digital Solutions	15/03/2020
1	Modernisation of Internet of Things	AICTE	IOT lab	Internet of things based Project	04/12/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
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
00	Nill

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	1	5.4
International	Mechanical Engineering	1	3.5
International	Mechanical Engineering	1	0.6
International	Mechanical Engineering	1	1.19
International	Electronics Telecommunication Engineering	1	5.87
International	Basic Science Humanities	1	0.97
International	Information Technology	1	6.54

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
Mechanical Engineering	16
Electronics Telecommunication Engineering	2
Basic Science Humanities	1
Information Technology	12

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
Application of multi-response	Dr.M.P.K shirsagar	Renewable Energy	2020	5.4	Department of Mechanical	Nill

					Engineering, St. Vincent Pallotti College of Engineering and Technology, Nagpur, India	
robut parameter design for performance optimization of a hybrid draft biomass cook stove						
Multi-response robust design optimization of a natural draft biomass cook stove using response surface methodology and desirability function	Dr.M.P.K shirsagar	Biomass and Bioenergy	2020	3.5	Department of Mechanical Engineering, St. Vincent Pallotti College of Engineering and Technology, Nagpur, India	Nill
Dynamic balancing of two plane rotor without phase angle measurment using amplitude substraction method.	Dr.A. R. Bhende	SAGE Publication Noise and Vibration Wordwide	2019	2	Assistant Professor, St Vincent Pallotti College of Engineering Technology, Nagpur	37
Dynamic balancing of a two-plane rotor without phase angle measurement using the amplitude subtraction method	Dr.A. R. Bhende	British Institute of Non-distructive Testing BINDTs Insight	2020	2	Assistant Professor, St Vincent Pallotti College of Engineering Technology, Nagpur	37
[View File](#)						

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
Performane analysis of QOS parameters of 4G LTE based arch itechture for m - health app lications	Mr.S.Ran ganakar	Internat ional Journal of Advanced Science and Technology (IJAST) SCOPUS indexed (ELSEVIER)	2019	4	Nill	SVPCET Nagpur
Dynamic balancing of a two- plane rotor without phase angle meas urement using the amplitudes ubtraction method	Dr.A. R. Bhende	British Institute of Non-dis tructive Testing BINDTs Insight	2020	2	Nill	NA
Internet of Things: Quality of Services of RABBITMQ KAFKA	Mr. Abhishek D. Pathak	Internat ional Journal of Innovative Technology and Exploring Engineerin g IJITEE Scopus Vol 9 Issue 2 ISSN : 2278-3075	2019	Nill	Nill	NA

[View File](#)

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

Number of Faculty	International	National	State	Local
Presented papers	18	7	Nill	Nill
Resource persons	Nill	2	Nill	Nill
Attended/Semi nars/Workshops	8	159	14	24

[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
Tree Plantation Drive	NSS	10	100
Demonstration of Use of Fire Extinguishers	NSS	5	11
Industrial Visit to KEC One day Workshop on Soft skill on 30/7/19	KEC International, Butibori, Nagpur	2	50
Blood Donation camp	NSS	2	100
[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
[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 activites	Number of students participated in such activites
NSS	NSS Unit (CE deparment)	Appriciation to non teaching cleaning staff	2	15
NSS	NSS	Zumba Fitness Session	5	9
NSS	NSS	Campus Cleanliness Drive	5	13
NSS	NSS	Kargil Vijay Diwas	5	11
NSS	NSS	"Tobacco Control"Pledge	7	8
Unnat Bharat Abhiyan (UBA)	Government of India	Proposal of Installation of Product / Technology in Villages	3	25
SWACHH BHARAT	NSS	Tree plantation	2	100

SWACHH BHARAT	NSS	Swachh Survekshan Grameen Awarenwss Program for all college students	10	100
NSS	NSS Unit (CE deparment)	Fire Safety Drill use	2	200

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
Collaborative Project on Solar Tracking System, Online Monitoring and Maximum Power Tracking For Improving Efficiency Of Solar System	8	AGH University, Poland	180
Collaborative Project on Solar Hybrid Cycle	7	AGH University, Poland	180

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
Industry based project work	Generation of electricity and hydrogen from waste water using photo fuel cell.	NEERI, Nagpur (Mrs. Shilpa Kumari, 9049598046)	15/07/2019	30/04/2020	6
Internship	Offline Internships	Chandrapur Super Thermal Power Station, Chandrapur	26/11/2019	24/12/2019	8
Internship /online courses	Internship /online courses	TCS ION	01/04/2020	30/06/2020	33

Internship /online courses	Internship /online courses	AICTE Internshala ELIS	01/04/2020	30/06/2020	26
Internship /online courses	Internship /online courses	Edx	01/04/2020	30/06/2020	49
Internship /online courses	Internship /online courses	Udemy	01/04/2020	30/06/2020	16
Industries Internship / Project Work	Project Work	Online Courses at Internshala	01/05/2020	31/07/2020	15
Industries Internship / Project Work	Project Work	Airport Authority of India (AAI), Nagpur	13/05/2020	30/07/2020	12
Industries Internship / Project Work	Project Work	Regional Meteorological Centre, Nagpur	11/05/2020	30/07/2020	9
Industry based project work	Industry based project work	Dual axis solar tracking system.	15/07/2019	30/04/2020	6
[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
Tantransh Solutions Pvt. Ltd, Nagpur	17/01/2020	Internship and Live Projects	14
CADD Center, Wardha Road, Naagpur	19/08/2020	Trainings, workshops, expert sessions, in the area of Mechanical Engg. Design and CAD	131
CAD CAM Guru Solutions Pvt. Ltd., Nagpur	19/09/2020	Trainings, workshops, expert sessions, certified courses in the area of Mechanical Engg. Design and CAD	112
National Power Training Institute, Nagpur	19/07/2020	Academic support to NPTI for B.E. Power Engg. Program	7
ANV Infotech, Nagpur	31/08/2019	Internship and Live Projects	10
The AGH	16/09/2019	Industry Visit,	12

University of Science and Technology, Krakow, Poland		Industry Project work, Internship, Guest Lectures	

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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
245	203.03

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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4.2 – Library as a Learning Resource

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

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

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	29778	7536926	1014	489774	30792	8026700
Reference Books	119	134543	Nill	Nill	119	134543
e-Books	85	37860	Nill	Nill	85	37860

Library Automation	Nill	Nill	Nill	Nill	Nill	Nill
Weeding (hard & soft)	370	45283	Nill	Nill	370	45283
Digital Database	Nill	69470	1	13570	1	83040

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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.Shabana Pathan	Schoology	Schoology	16/03/2020
Prof.Neha Singh	Google Classroom	google	12/07/2019
Prof. Priti C. Golar	moodle	Gnomio	17/03/2020
Prof. Praveen Sen	Moodle	Gnomio	30/03/2020
Prof. Vshal Tiwari	Moodle	Gnomio	01/01/2019
Dr. Veena Gulhane	Moodle	Gnomio	15/03/2020
Prof. Hemlata Sahu	Moodle	Gnomio	23/04/2019
Prof. Harshala Shingne	Moodle	Gnomio	01/07/2019
Prof. Manali Patki	Moodle	Gnomio	16/03/2020
Dr. S. S. Satputaley	Gnomino Website	gnomio.com(LMS)	01/03/2020

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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	616	18	110	18	1	59	115	110	0
Added	181	1	40	1	0	24	5	40	0
Total	797	19	150	19	1	83	120	150	0

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

150 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
Video 01 - Electrical Power Generation	https://www.youtube.com/watch?v=Lp2yOOS0CMo

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 incurredon maintenance of physical facilites
236	239	147	223.48

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

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	Aid to students	71	1384445
Financial Support from Other Sources			
a) National	Freeship	1333	51239889.25
b)International	0	Nill	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
Industrial Tour to Banglore	14/09/2019	60	SVPCET in association with Silver Spark Apparel Ltd., Doddaballpur, Toyota Pvt. Ltd. officials
Mechmerise departmental activity	13/09/2019	360	Mr. Amol Pusadkar (Manager, Special Process, TAL, Manufacturing Solutions Ltd, Nagpur).
One Day hands on workshop on Casting by SAE India Collegiate club	08/09/2019	80	Mr. Vijay Bhambri, Director, Krutika Tech. Academy, Nagpur.
Workshop on Autocad Mechanical	31/07/2019	140	Mr. Anubhav fron CADD Center, Nagpur
Kargil Vijay Diwas Poster Display	26/07/2019	22	NSS
Induction Orientation 5th sem	26/06/2019	151	Induction Faculty Team led by Class councselors
Induction Orientation	26/06/2019	140	Induction Faculty Team led by Class councselors

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 passedin the comp. exam	Number of studentsp placed
2020	Career Guidance and support cell	Nill	7	Nill	10
2020	GATE coaching Scheme (Institute MoU with ICAD)	3	Nill	Nill	Nill
2020	CE Department AASC Club Membership	53	53	17	Nill
2020	Higher Study Club	3	3	3	Nill

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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
APPIT SIMPLE	45	2	E-Keeda	2	2

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	Nill	00	00	0	0
2020	Nill	0	0	0	0

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	30
GRE	2
CAT	1
Any Other	15
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
Insight 2K19 Annual cultural Event	Inter Departmental competitions (Insight)	1600
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
2019	NA	National	1	Nill	ETC19F121	Vibhore Tapase
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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 extracurricular 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 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 amp Technology, Gavsi Manapur, Wardha Road, Nagpur-441108, India. Phone No: 07103-275951, 52, 203745 Website: http://techpallottinealumni.stvincentngp.edu.in/ Email: alumnicell@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 facilitator in expanding scope and reach of alumni network through regional associations and activities thereby forging long term relationships amongst alumni and Institute. 3. Promote 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 student by contributing to scholarships or supporting others 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 discipline of engineering.

5.4.2 – No. of enrolled Alumni:

4645

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Three meetings conducted. 37 activities conducted.
http://techpallottinealumni.stvincentngp.edu.in/ActivityReport.aspx

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
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.
Industry Interaction / Collaboration	Institute made following platforms available for students for industry connect Institute Industry Interaction (III) Cell is in place (http://www.stvi ncentngp.edu.in/iii-cell/). Itconducts 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/ vists to technical exhibitions of 3 to 5 days are arranged. Industry based projectsstudents 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.
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 ejournals facilities. Printed National and International journals. Library has high end server. Faculty members and students can acess learning material through it. Dedicated library slot is provided in Time Table of every semester for engaging students with the course materials. 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.
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, R D organizations and institutions of repute.Guest Speakers during STTPs /Workshop are called from reputed organizations like IITs/ NITs etc.
Curriculum Development	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 Corelation, 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. Various courses are offered to students faculties through COURSERA EDex.
Teaching and Learning	Mentors are allotted for various courses to help students in their learning.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. 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, Umberello), Video Presentation, Virtual Lab (IIT Bombay) 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 Intercollegiate events like Technex (Annual Technical Fest), Insight (Annual Cultural Fest), and departmental technical events such as Inventomania, Mechmerise, Infinity, Festronix, 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. Various clubs like REC,ASHWARIDERS are there to improve student learning through practical exposure.
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 academic assessment of students makes the assessment mechanism robust and

		transparent.
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 ejournals facilities. Printed National and International journals. Library has high end server. Faculty members and students can acess 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.
Industry Interaction / Collaboration		Institute made following platforms available for students for industry connect Institute Industry Interaction (III) Cell is in place (http://www.stvi ncentngp.edu.in/iii-cell/). Itconducts 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/ vists to technical exhibitions of 3 to 5 days are arranged. Industry based projectsstudents 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.
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-governace area	Details
Student Admission and Support	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.
Examination	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, eresource 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.
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.
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.

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
2019	Mr. Satish Kene	Green building Materials organised by Grren ash Foundation , CSIR Advanced Material Processes Research Institute Bhopal MP	nced Material Processes Research Institute Bhopal MP	2585
2019	Dr. D.S.Wankhede	Renewable Energy Sources at IIISER, Bhopal	IIISER, Bhopal	4500
2020	G.R.Boob	NPTEL Course Design Practice	NPTEL	1100
2020	A. K. Saxena	NPTEL Course on Waste Heat recovery and	NPTEL	1000

2020	DR.S S. Satputaley	International conference at VNIT Nagpur	VNIT	5000
2020	Mrs. Harshala Shingne	Accreditation and Outcome based Education NPTEL Cource	NPTEL	1000
2020	Mrs. Harshala Shingne	1. Programming in JAVA NPTEL Cource	NPTEL	1000

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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)
2020	National Level One week Online FDP on Online Teaching Learning Processes using ICT tools for Education 4.0	NA	08/06/2020	13/06/2020	60	Nill
2019	Online FDP on: Imparting Moodle OBE Culture	NA	30/11/2019	20/12/2019	33	Nill
2020	Online FDP on: Imparting Moodle OBE Culture	NA	06/01/2020	18/01/2020	42	Nill
2020	Online FDP on: Imparting Moodle OBE Culture	NA	20/03/2020	31/03/2020	21	Nill
2020	NA	2 Weeks FDP Dissemination of	15/06/2020	29/06/2020	Nill	6

		NBA Criteria's,NPTEL Course of Basic Electronics and Industry exposure on Advanced tool					
2019	NA	Interpersonal Skills for workplace	14/09/2019	14/09/2019		Nill	46
2019	NA	Happiness of Life	27/07/2019	27/07/2019		Nill	23
2019	Seminar on ""Chasing Excellence - The Shivajian Way" for Faculties	NA	21/09/2019	21/09/2019		110	Nill
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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
Online FDP on Imparting MOODLE OBE Culture	9	30/11/2019	20/12/2019	21
MATLAB based Teaching-Learning in Mathematics, Science Engineering	4	18/05/2020	22/05/2020	5
1 week FDP on Robotics and AI	3	18/06/2020	20/06/2020	3
Online FDP on Teaching -Learning Processes using ICT Tools for Education 4.0	105	08/06/2020	13/06/2020	6
Complete guide to	1	04/05/2020	04/05/2020	1

tensorflow for Deep Learning with Python Udemy				
Machine learning and Deep Learning Applications in Engineering and Science GCE, Karad	7	16/05/2020	20/05/2020	5
Demystifying Data Science, ML and AI	2	12/05/2020	14/05/2020	3
FDP on Imparting Moodle and OBE culture Organised by St. Vincent Pallotti College of Engineering and Technology, Nagpur	9	06/01/2020	18/01/2020	13
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
121	121	36	48

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 participateoutstation Bus facility at reasonable cost, Earn learn scheme, Fees waiver to financially weak and eligible students, international conference Publishing research papers in reputed journals Support to acquire professional qualification and higher studies Support to	Support to acquire professional qualification and higher studies Support to participateoutstation conference / workshop Support to conduct programme to upgrade skills Filing Patents Recreation tour Gratuity Medical Insurance Scheme for non-teaching staf members Additional Retirement benefits Group Insurance Financial support(Assistance / Loan) Staff Welfare Fund Accident Insurance Scheme for all employees students Security Vigilance on campus	Bus facility at reasonable cost, Earn learn scheme, Fees waiver to financially weak and eligible students,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

participateoutstation 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 CORONAKAVACH-A Health Insurance Policy provided for employees.Well equipped healthy working place.	Counseling facility Grievance Appeal Committee.CORONAKAVACH-A Health Insurance Policy provided for employees.Well equipped healthy working place environment.	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 Drinking water.CORONAKAVACH-A Health Insurance Policy provided for all students.Green ,Clean Healthy campus area.

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 2020 for the FY 2019-20.Audit reports for the FY 2018-19, 2017-18, 2016-17, 2015-16, 2014-15 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
St.Vincent Pallotti College Of Engineering Technology,Nagpur	1384445	Fees concession Sponsorship towards project
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6.4.3 – Total corpus fund generated

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) Interpersonal Skills for workplace A programme organized for for all nonteaching staff on 14/09/2019 46 participants attended the same. 2 Weeks FDP Dissemination of NBA Criteria's,NPTEL Course of Basic Electronics and Industry exposure on Advanced tool for technical staff of Department from 15/06/2020 to 29/06/2020 3) Happiness of Life a programme is organized for House Keeping staff on 27/07/2019.

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

Quality initiatives for 2019 – 20 by various departments: 1) Tech Pallottine Development Centre (TPDC) a) Android Mobile App – i) for Training Placement (TP) ii) for Attendance system b) Online MIS - In order to make MIS Online, migration of system is in process and testing is being carried out. 2) Central Library – Connecting students through WhatsApp group 3) Research Development Cell (RDC) – i) New R D Policy implemented from 1st July 2019 ii) Urkund Plagiarism software (owned and headquartered in Stockholm, Sweden) is purchased from Egalactic Pvt Ltd. Punein Sep 2019. It is handed over to Central Library for implementation. iii) Workshop/Seminar conducted on Evaluation of Funding proposals by Dr. Anant M Pande, Dean, R D, YCCE, Nagpur on 20th Dec. 2019. 12 proposals of RPS, MODROB, STTP, FDP schemes 4) IEDC – i) Proposed Incubation Centre is ready for Inauguration Hosted Funded by MSME 5) CE Department – New IOT Lab will be established under MODROBS scheme with sanctioned amount of Rs. 7.36 Lac 6) EE Department – i) Conducted one Week AICTE Sponsored STTP from Nov18-23, 2019 on "Renewable Energy Sources" Grant Received: Rs. 3.15 Lacs. Resource persons from IIT, Mumbai, VNIT, Nagpur, BITS Pillani, NEERI (CSIR) Nagpur, Maha Metro, NIT, Silchar, NIT, Raipur. (80 participation from outside institute) ii) Dr. Dhote applied and received free 5000 codes for reputed edX certified course. 1050 courses have been registered till date. iii) MODROBS proposal which was submitted in Nov 2018(AQIS) by Dr. Nitin Dhote is accepted by AICTE sanctioned grant of Rs.12.42 Lac. (80 amount received). iv) Proposal submitted in Jan 2020 by Dr. Dhote under Unnat Bharat Abhiyan is provisionally sanctioned. v) Proposal of MODROBs on Oil testing laboratory (Power System Protection Laboratory) is submitted to AICTE, Delhi by Dr. Nitin Dhote. (2019-20) gets sanctioned vi) Mr. Khadse submitted STTP proposal on "Renewable Energy Sources" to AICTE, Delhi got sanctioned

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
2019	Seminar on "Chasing Excellence - The Shivajian Way",	21/09/2019	21/09/2019	21/09/2019	110

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Celebration on Makar Sankranti and Kite Flying Competition	21/01/2020	21/01/2020	52	43
Cyber Safety Awareness	31/08/2019	31/08/2019	32	Nill
YOGA Camp	29/06/2019	29/06/2019	72	Nill

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
40

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	Nill
Any other similar facility	Yes	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of	Number of	Date	Duration	Name of	Issues	Number of

	initiatives to address locational advantages and disadva ntages	initiatives taken to engage with and contribute to local community			initiative	addressed	participating students and staff
2019	1	1	29/12/2 019	1	Competi tive Exams	Competi tive Exams	262

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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	17/06/2019	http://naac2018.stvince ntngp.edu.in/c7/7.1.1220H R20Policy.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
Swachh Survekshan Grameen	12/09/2019	17/09/2019	60
International Day against Drug Abuse and Illicit Trafficking Say no to Drugs	26/06/2019	26/06/2019	300
Kargil Vijay Diwas Remembering the golden history	26/07/2019	26/07/2019	50
Visit to "Kendriya Prathmik Shala for delivering session on hygiene	16/06/2019	16/06/2019	6
Program conducted by Hingna Police on Sexual Harassment	28/08/2019	28/08/2019	16
College visit by inmates Home from Aged Handicapped, Untkhana, People who Aged HandicappedNagpur	12/01/2020	12/01/2020	90

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/ multidisciplinary 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 NPTL (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 the 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/). Itconducts 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/ vists 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, BARCMumbai, 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.

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) Starting of New Programmes : Institute is planning to start new courses under

UG PG Programmes in the latest trend areas. 2) College Autonomy: The institute submitted proposal to get "AUTONOMOUS" status.NOC is received from the competent affiliated University awaiting reply from UGC 3) Incubation center: Incubation Center is ready working towards getting funding through various agencies. 4) Center of Excellence: Centre of Excellence is working towards starting of new B.VOC. courses 5) NBA Accreditation: Institute is progressing towards getting NBA Accreditation for Electronics Telecommunication and Mechanical Engineering information Technology Branches. Awaiting visit of PEAR team for further extension to already accredited courses i.e. Electrical Computer Courses 6) Infrastructure development: Institute will be making necessary changes in infrastructure in view of newly starting proposed courses 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, more villages will be adopted for technology transfer and improving their social lifestyle. Funds are received for various projects under UBA the same will be utilized to implement those projects in adopted villages.