



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	HANUMAN VYAYAM PRASARAK MANDAL'S COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr. Anant Balkrishna Marathe
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07212563422
Mobile no.	9850268814
Registered Email	principal@hvpmcoet.in
Alternate Email	pl_ramteke@rediffmail.com
Address	H.V.P. M. Campus, Hanuman Vyayam Nagar, Amravati. (MS)
City/Town	Amravati
State/UT	Maharashtra
Pincode	444605

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. P. L. Ramteke
Phone no/Alternate Phone no.	07212563422
Mobile no.	9421818808
Registered Email	pl_ramteke@rediffmail.com
Alternate Email	principal@hvpmcoet.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://hvpmcoet.in/wp-content/uploads/2018/08/MHCOGN27401-HVPM College of Engineering and Technology Amravati -Maharashtra-1.pdf
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4. Whether Academic Calendar prepared during the year	Yes
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if yes,whether it is uploaded in the institutional website: Weblink :	http://hvpmcoet.in/wp-content/uploads/2019/11/Academic-Calendar-for-Odd-Term-2019-2020.pdf
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5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.76	2017	30-Oct-2017	29-Oct-2022

6. Date of Establishment of IQAC	30-Jul-2016
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Induction Program for Faculties	02-Jul-2018 6	44
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Department	FDP	AICTE-ISTE	2018 6	300000
Institution	MODROB	AICTE	2018 365	1360000
Institution	UBA	MHRD	2018 365	100000
Institution	Start-up India	SGBAU	2018 365	300000
Institution	MHRD (UBA2.0)	MHRDC	2018 365	100000
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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 :

4

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?

No

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

Ph.D. Research Centre Started Monthly Academic Progress Report Successful Proposals submission for funding to AICTE, DST Conduct of FDP Deputation of faculty for refresher courses, industry interaction

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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	Achievements/Outcomes
Every Professor/Associate Professor must have approved feat proforma with plan and submit their work progress report every two months.	Preparing executing Plan
Mobilization of resources through DST / DSIR UGC / AICTE / for minor - major projects.	Four proposals are submitted for grant-in- aid to AICTE under the AQIS Schemes
Beyond syllabus activities	Near about 7 beyond syllabus technical skill courses (CTA) are running in the College for technical skill development for selected Students. Responsibility of placement is also handled by in charges.
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	No
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	Management Information System: 1 SETU (Student ETech Unit): Single window Program. A student who will come for admission will be given form for his total information, then he will sit with data entry operator, then data entry operator will fill his form in computer. At the same time his certificate will be Photostat Scanned. His photo will be taken by Web Camera. Then he will readily get file with all his documents from our staff. All the preliminary processes of Photostat Data entry etc. are to prepare file. Then he will have to go to Admission Counter , where his documents will be checked with original documents if found OK he will have to pay required fees then after showing receipt he will be given I Card immediately . All process will

be completed within 10 to 15 minutes. The main aim to introduce this program is avoid hassle that students generally face. Hence, this facilitates a single window program simplifies the admission process. Secondly as all the data of student collected by SETU is forwarded to Office for further process. This type of Admission Program is nowhere in Amravati District at Present. Due to this unit past student's information kept maintain which may use at any time. This system provide flexibility access to the students. Students can access their personal and educational data easily from anywhere any time.

2 Scholarship Section: Institute has a separate cell in administrative section to handle students problem regarding there scholarships or any assistant through this system. This cell provides time to time information and any updates regarding scholarship of students through college website and notice boards. The financial assistance includes backward class Freeship, backward class scholarship, physically handicap scholarship, EBC free ships and minority scholarship. Year wise percentage of students received scholarship from state government, central government and other national agencies. Adequate number of faculty and staff from these categories are appointed the institute provides facilities to SC/ST, OBC students for government scholarships. Special Student section is working for students which help them to fill the forms and solve other queries related to scholarship. As per the government rules, various scholarships and financial exemptions are availed to reserved category students so as to ensure the right of higher technical education for them. Due to MIS of scholarship section it is easy to sort out the problems and queries regarding scholarship issues. It is seem to be found that it resolve the most of scholarship related issues.

3 Account Management: Account management handle by using account software tally. It help to prepare account statements. This section is useful to monitor and effective use of available finical resources through standard operating procedure (SOP), budgeting. There are

two types of institutional mechanism for audit. 1 Internal audit will done by institute. 2 external audit where college appointed chartered accountant for external audit for auditing of accounts from Chartered Accountant to help submission of utilization certificate to the funding authorities. All type of fees collected and handle

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 College is affiliated to Sant Gadge Baba Amravati University, Amravati and the curriculum and syllabi prescribed by the University is strictly followed. Academic Calendar (Working Days), Examination Time table (Days), Teaching and Examination Scheme is also given by affiliating University. The college prepares its academic schedule, course wise time table, internal assessment schedule in consultation with HOD's to accommodate effective coverage of syllabus, co-curricular and extracurricular activities, aligning with the overall academic calendar of the University. Process of Effective Curriculum Implementation

- Preparation of Academic Dairy & Calendar: Academic calendar is prepared by dean academic or incharge appointed by principal.
- Distribution of College activity portfolios: The diary contents with portfolios assign to teachers. Probably portfolio includes various committees for academic planner diary & timetable, first year admission, University Examination, cultural festival, purchase committee, library committee, technical festival, NSS and extensive services, disciplinary committee, anti-ragging committee, hostel committee, physical infrastructure and facilities, maintenance and housekeeping, training and placement, entrepreneurship cell, NBA preparation committee, Alumni association, college website, publicity committee, skill sharpening ,university affairs, Sport tournaments, cultural festival, professional societies, Budget preparation, college council, student performance committee. This helps to smoothen the function of college.
- Identification of key performance areas by the faculty
- Distribution of subjects by HODs according to workload: HoD of respective Department handle this activity. And allotted the subjects as per their expertisation and workload as per AICTE and University norms.
- Display of Time-Table: Timetable of Teaching learning displayed well before the start of session
- Teachers are encouraged to impart the curriculum through innovative teaching learning methods including brain storming, flip- class room based, power point presentations, assignments, discussions, workshops, seminars, industrial visits, e-learning resources apart from regular/traditional chalk and talk methods.
- Identification of prerequisite through the scheme of Know Your Subject: This is unique activity run by college. Due to this, teacher are study the subjects, prepare and conducts prerequisite course conducts that help to learn the subject well.
- Preparation of Teaching & Session plan by subject teacher: Academic diary of teachers provide the facility to prepare their academic Session planning and its execution which must by check by
- Preparation of Laboratories to ensure working of Lab. instruments and availability of consumable
- Conduction of Theory and Practical as per academic schedule, teaching plan & session plan.
- Know your students scheme to identify fast learners and slow learners. This is also unique innovation in teaching

learning process. To classify students in slow and fast learner is one of objective. Where teacher is able to access their skills. Some of students are very slow learner so they need to give special treatment. We conducts extra classes to them. • Remedial classes and tests for weak students: The College is having the Standard operating process for remedial classes. The extra classes are conducted for them. The result of this activity are found satisfactory. • Special projects are allotted to fast learners: The fast learner students are provided the some difficult level

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Terminal Equipment Application Developer (Android)		24/09/2018	90	YES	YES
Solar Panel Installation Technician		24/09/2018	90	YES	YES
CCTV Installation Technician		24/09/2018	90	YES	YES
CNC operator Turning		24/09/2018	90	YES	YES
Lathe Operator		24/09/2018	90	YES	YES
Draughtsman Mechanical		24/09/2018	90	YES	YES
NPTEL		01/08/2018	90	YES	YES

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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

	Certificate	Diploma Course
No Data Entered/Not Applicable !!!		

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
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One Day youth Camp Theme: Artificial intelligence, Virtual Reality and Swami Vivekananda	24/09/2018	245
Induction Program :Foundation Course, summer internship program(SIP)	18/06/2018	65
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	ARP project (Software testing)	5
BE	D-nif (Information security)	7
BE	Design and verification of vending machine Using system Verilog (Embedded, IOT & VLSI)	5
BE	Sample screen printing Machine (CADD &Automotive)	5
BE	Study and implementation of noise reduction in Gukss industries	5
BE	NSS Camp	150
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>The Feedback from students for teachers is taken twice in a year. Forms are categorized in Grades from excellent to poor for every point also students have right to give suggestions and comments on every point. College takes the feedback from Industry (particularly those who comes for campus placement) and alumni. Head of Departments and TPO visit/ interact with Industry to know the gap between Industry expectation and curriculum. It is communicated to the University through faculty members who are members of Board of Studies. The Institutes introduced employment enhancement programme in CTA on the basis of the feedback. Every year during parents meet feedback from parents is taken regarding facilities and performance of their ward studying here. Prior to this</p>

parents have been informed about this meeting. This type of meeting is conducted department wise .The feedback from Alumni is also taken in which number of points are covered regarding their current working organization etc. The feedback from industry about curriculum of beyond syllabus, training needs is regularly taken and actions are accordingly taken. Yes, the Process of Curriculum Development is as: Needs assessment: 1. Feedback from recruiter/report of industry association NASCOM, FICCI etc. about low employability of graduate Engineering 2. Assessment of the gap between Industry expectation and University curriculum by conducting survey, through Industry visit by HODs and TPO at International/National /State and university level 3. To bridge up gap of Core Technical Area (CTA) other employability attributes Helps to Design Development of the course •?To develop course contents in consultation with Industry for the identified core areas of Software Testing, Remote Infrastructure Monitoring Management (RIMM), Information Security, Software development, VLSI, Embedded System IOT, and Automation Designing Drafting. •?Validation of course contents from other related Industry •?Development of course contents and its implementation for other employability attributes like Communication skill, soft skill and aptitude Course Planning •?Planning of implementation of courses design with the help of interested college faculty, resource person from industry and professional trainers •?Assessment of trainees by internship, mock placement tests •?Apart from engineering courses, for MBA students, college has initiated to develop and design Diploma in Sports Management Program (DSMP) for the National Institute of Sport Sciences, Colombo - Sri Lanka (NISS - Working under the Ministry of Sports, Govt. of Sri Lanka) along with HVPM's Degree. The feedback and industry stake holders, helps to aware with industry working and its technology. The continuous interaction with them provide live assistance to conducts industry based projects at college level. and improve academic, administrative and financial management. Feedback is also support to improve the existing system work and progress toward more punctual and sharpen system. College alumni are working in distributed locations of India and abroad also. By their feedback we get associate with their industry and conducts awareness programs for their alumni's. The various existing system units working in the college get improve by feedback from related stakeholders. The students are really good ambassador to know improve system by valuable feedback in different area.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer Science& Engg.	60	62	62
BE	IT	30	36	36
BE	Mechanical Engg.	60	43	43
BE	Electronics and Telecommunicati on engg.	60	47	47

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2.2 – Catering to Student Diversity

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

Year	Number of	Number of	Number of	Number of	Number of
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	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2018	529	105	57	8	14

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
63	63	8	12	3	8

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

The following mechanism are provided for counselling services Students mentor scheme • Academic and Professional Counsellor • Value education programme • Special session for girl's counselling • Career guidance workshops, seminars • Participative projects Yoga Practices Academic and Professional Counsellor: The students have been divided in group of 1520 and a teacher Mentors are allotted to them. The Student Representative Committee (SRC) is also established to solve student's academic problems. The class teacher/faculty members have friendly relationship with students and act as guardian. The midterm and end term meeting in taken semester wise. The proper action is taken to solve academic problems of students. Extra classes and remedial classes are arranged for weaker students. The regular meeting is taken monthly. Career guidance workshops, seminars: English communication training, Skill Sharpening School, Aptitude training programs are taken in college hours. Technical Sessions of core technical areas are arrange in the institute which make awareness of recent trends and develop the skills in related field. Due to this extra training efforts, students get placements. • Special session for girl's counselling: The group of girls is having female faculty mentor to share their personal problems. The faculty takes actions on students problems. The hostel warden is appointed from faculty itself as a care taker for hostelryes. The visiting faculty is appointed to motivate and develop the personality of students. Under Skill Sharpening School (SSS) different activities are conducted for enhancing student skills. Career: Survey of students about their career option is carried out. Pretraining test is taken to elucidate student potential and aptitude for career accordingly career counselling and guidance is given to help students to overcome weaknesses. Support and training is also provided. The English Communication Training, Soft Skill Training program are conducted by TP cell for English and aptitude. The MOCK placement drive is arranged by TNP cell yearly. The students are made aware about the notification of different examinations and placement drives. The institute has started Core Technical Area (CTA) cell for training student and bridging the gap between university syllabus and industry requirement. Psychosocial: The Women Grievance cells, Student redressal cell, AntiRaging Committee are working to take care of students. Mentoring schemes are running in each department which guides, resolve problems of students. Workshop special session by professional, psychological expert, interaction with real life heroes, visits to orphanages, oldage home and differently age home to make aware about courageous life of distress/ disadvantage .Group of society. Exhibition of motivational movies are done. Awareness and Motivation for social activities like blood donation, NSS. Value education programme: To understand human values, the number of value education programmes run such as Induction Program for newly admitted students, summer internship program, Information Security awareness program, Awareness program on higher education and job opportunities in abroad, Independent Day Celebration, Seminar on Resent Trends in information security, Information about Swachha App, Sport Day Celebration, Teachers Day Celebration, Campus Awareness, Blood Donation Camp Conducted by NSS, Words Heart Day, Blood Donation Camp Conducted by NSS unit etc

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
634	63	10 : 1

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
69	69	0	0	14

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.U.A.Kshirsagar	Professor	AICTEUKRI Fellowship
2018	Dr.U.A.Kshirsagar	Professor	First Prize in Startup awarded by AUDII

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	CSE	II/FIRST IV/SECOND VI/THIRD VIII/FINAL	10/05/2019	21/07/2019
BE	ME	II/FIRST IV/SECOND VI/THIRD VIII/FINAL	29/05/2019	01/08/2019
BE	ENTC	II/FIRST IV/SECOND VI/THIRD VIII/FINAL	08/06/2019	01/08/2019
BE	IT	II/FIRST IV/SECOND VI/THIRD VIII/FINAL	27/05/2019	15/07/2019

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

Following are improvements initiated on continuous internal evaluation system at Institution level: Students' Academic Improvement: Evaluation of student by external agency for communication skill, aptitude, core technical knowledge for employability enhancement, internship and evaluation of internship projects by industry experts is being carried out. In regular basis following methods has been carried out for evaluation. Technical competition like Hackathon monitored by industry experts: Every year college conducts Hackathon competitive events on 'Information cyber Security' under guidance of Industry experts. The pretraining or internship provides to all interested students for a week full time. Thereafter some IT security related problems are given during this

competition. After evaluation and interview with qualified students get offer for their career with these them. Group assignments, subject seminars, miniprojects: By this activity the students are get inspired through these group assignment, develop interpersonal skills and presentation skills by seminar presentation and mini projects. Class test, Quiz, Remedial test: It is help to evaluate the student's performance. Internal work submission: It is conducted for adoption of selfstudy mode and development of problem analysis skill. Project report for the subjects like environmental studies: We not only focus the syllabus given by university but also they should be aware with environment and the need of its protection. Use of Language lab for communication skill evaluation. Technical competition like Hackathon monitored by industry experts. Group assignments, subject seminars, miniprojects, Class test, Quiz, Remedial test are conducted, Internal work submission, Project report for the subjects like environmental studies. Use of Language lab for communication skill evaluation. College Administrative Improvement: College prepare the various committees for good administration. The Head of Departments are given privileges to manage their Department separately. There is no more interference in their own administration. Separately standard operating procedures are given to head of each Department. They are given flexibility to sort out any departmental problems, all activities are monitored by principal. The office section of College handle the admission, all types of fees, scholarships, students support and account system. The MIS is used for most of work in this administrative section.

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

Academic calendar prepared and adhered for conduct of Examination and other related matters: The academic calendar is prepared and published by affiliated university (S.G.B.A University, Amravati) every academic year. The college has to follow the same in addition other related matters includes in in College academic calendar and published it on college website.. The college by adhering on the calendar prepared by university and College, makes its own teaching plan and activities, conduct internal examinations and make students prepared to face the university examinations. Academic calendar not only includes examination and evaluation but also it contains with various activities with scheduled date. Following are activities enlisted in academic calendar: Start of Odd Term 20182019, End of Odd Term 20182019, Subject Allotment of Odd Term by HoDs of Respective Department, Internship (Summer), Preparation of KYS2 Teaching Plan, Monthly QAR Submission by each Department, IQAC Meet, Registration Process for Higher Classes Admission, Display of Provisional List of Students, Display of Time Table (Odd Sem), Commencement of Classes, Finalization of Project Groups Topics (Only Final Year B.E.), 1st Assignment Week for Subject I, II III, MidSession Feedback/ Analysis of Teachers, 1st Assignment week for Subject IV V, Seminar Presentation for Final Year B.E., 1st Unit Test, Department wise Parent Meet, Teacher Day Celebration, Declaration Display of 1st Unit Test Result, 2nd Assignment week for Subject I, II III, 2nd Assignment week for Subject IV V, Blood Donation Camp by NSS, Engineer Day and TechFest/Hackathon/Project Competition, Project Demonstration in Three Phases, End Session Feedback/Analysis of: (Teachers, Students, Administration, Facilities), Common Test, Practical Submission (Internal), Analysis of Feedback (IQAC), College Council Meet, First Term Vacation (Diwali Vacation), Industrial Tour/ Visit/ Internship (Winter).

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://hvpmcoet.in/departments>

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
	BE	ENTC	71	55	77.46%
	BE	IT	22	21	95.46%
	BE	CSE	80	78	97.50%
	BE	MECH	59	42	71.18%
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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)

<http://hvpmcoet.in>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	365	ECE India Pvt. Ltd.	0.1	0.1
Interdisciplinary Projects	365	MHRD (UBA2.0)	1	1
Projects sponsored by the University	365	HVPM COET, Amravati (Ekart)	2.11	2.11
Any Other (Specify)	365	AICTE MODROB	13.6	13.6
Any Other (Specify)	365	SGBAU Startup India	3	3
Any Other (Specify)	365	AICTE Induction Training Program on HPC	3	3
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Intellectual Property Right IPR by Adv Swapnil Gawande	CIIITP	14/01/2019
CTE Program awareness session	Computer science	24/08/2018
Workshop on design	CIIITP	19/09/2018

thinking and ux desugb		
Introduction to NEML Company	CIIITP	22/09/2018
Interaction with industry personnel of NEML	CIIITP	01/10/2018
Topic on carrier in Automation	CIITP	23/10/2018
Preparatory workshop for EPAM Campus	Computer science	24/08/2018

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Environment control automated greenhouse for high valued agro product in Vidarbha region	1.Ramesh Gajbhar 2.Shyam Nale 3.Pratik Gawande 4.Udit Meshram 5.Sahid Shaikh Noor	UNNAT BHARAT UNNAT VIDARBH	26/03/2019	Interdisciplinary Project Competition
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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
H.V.P.M's C.O.E.T	Host Institute and Business Incubation centre	Applied to MSME through DI office, Nagpur	Agrotech solutions and services.	To provide solutions for agriculture through MSME (mahastartup medium small entrepreneur)	07/02/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	01	

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

Name of the Department	Number of PhD's Awarded
MBA	1
CSE	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Science and Engineering	6	4.5

International	Electronics and Telecommunication Engineering	9	3.5
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
Electronics and Telecommunication Engineering	1
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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
"NSS Pathakache udghatan and Ganjar Gawat Nirmulan Abhiyan"	NSS	30	150
Tree Plantation under LAPTOP SCHEME	NSS	10	75
Tree Plantation	NSS	60	75
Blood Donation Camp	NSS	10	150
Celebration of NSS Day	NSS	5	150

Cycle rally on Occasion of World Heart day	NSS	10	70
Surgical Strike Day	NSS	5	25
Tree Plantation of scarce trees on occasion of Birth Anniversary of Mahatma Gandhi and Lal Bahadur Shastri	NSS	5	40
"Wachan Prerna Din"	NSS	60	20
Diwali Celebration at Late Ambadas Pant Vaidya "MatimandMukbadhir Balgruh"	Srujan Group	15	55
"Vasundhara Mohtsav"	NSS	10	24
"Rashtiya Ekta Diwas"	NSS	15	48
Birth Anniversary of "Krantijyoti Savitribai Fule"	NSS	60	30
Birth Anniversary of "Rashtramata Jijau and Swami Vivekanand"	NSS	30	80
"Hutatma Diwas" and "Swacchata Sarvekshan Abhiyan"	NSS	5	15
Birth Anniversary of Shivaji Maharaj	NSS	60	150
Birth Anniversary of Sant Gadge Baba	NSS	25	40
"Marathi Bhasha Gaurav Din"	NSS	25	40
Holi Celebration at Sadashanti Orphanage	Srujan Group	20	50
Blank Page Bank scheme	NSS	5	90
Eye Checkup of Villagers of Pimpalgoan Bainai	NSS	5	40
Dental Checkup	NSS	5	35
Awareness on Prevention of Diseases	NSS	5	80
Swaccha Bharat Abhiyan	NSS	5	110

ICT Based Training to Villagers	NSS	5	40
Self Defence training for Girls	NSS	2	30
School Dropout Survey	NSS	5	40
Yoga Training	NSS	5	75
Farmer Centric activity	NSS	5	70
Program on Conservation of water	NSS	5	50
"Shramadan" program	NSS	20	75
Program on Employment Generation Activity	NSS	5	65
Skill Development Training	NSS	4	55
Village Survey	NSS	5	40
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
College Magazine	Award	University	500
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Womens and child development	Womens and child development office HVPM COET	Balmohstav	10	80
Swaccha Bharat Abhiyan	NSS HVPM COET	"Hutatma Diwas" and "Swacchata Sarvekshan Abhiyan"	5	15
NSS	NSS Camp	Self Defence training for Girl	2	30
NSS	NSS Camp	Awareness on Prevention of Diseases	5	80
NSS	NSS Camp	Swaccha Bharat Abhiyan	5	110

NSS	NSS Camp	Defecation Free Campaign	5	75
Unnat Bharat Abhiyan	Unnat Bharat Abhiyan of MHRD Gov. India	Village Survey	14	40
Unnat Bharat Abhiyan	Unnat Bharat Abhiyan of MHRD Gov. India	Project on Environment Controlled, automated Green House for High Valued Agro Produce in Vidarbha region	2	12
NSS	NSS Camp	Skill Development Training	3	25
NSS	NSS Camp	Voters Awareness Program	5	40
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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
EKart Manufacturing	26	Students and Management	180
Hackathon placement Activity	136	HVPM COET	02
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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
Induction Program	High Performance computing technology	AICTEISTE	02/07/2018	07/07/2018	42
MoU	Testing centre of excellence	Tristha and HVPM's, C.O.E.T.	01/10/2018	31/12/2019	38
Internship	Swaccha Summer Internship 2018	Ministry of Drinking water and Sanitation, Government of India	01/06/2018	31/07/2018	51

Internship	Training Program	Aspa Bandsons, Amravati	01/01/2019	07/01/2019	06
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
TCoE (Tristha)	01/10/2018	To work closely with industry for establishing the curriculum as per its requirements and also with academia in order to enhance the quality of Technical and Engineering education in the country.	38
View File			

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
67.65	65.7

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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
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SOUL	Partially	2.0	2006
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4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	21630	7481091	362	206661	21992
Reference Books	1395	328747	23	1875	1418	330622
Journals	65	136725	65	149825	130	286550
e-Journals	3	901210	8	219470	11	1120680
Digital Database	3	0	1	0	4	0
CD & Video	1074	0	0	0	1074	0
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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
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	427	14	2	0	1	1	6	50	0
Added	0	0	2	0	0	0	0	100	0
Total	427	14	4	0	1	1	6	150	0

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

100 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
No Data Entered/Not Applicable !!!	

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
189.4	72.16	109.28	96.81

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)

Procedures and policies for maintaining and utilizing physical, academic and support facilities. laboratory, library, sports complex, computers, classrooms etc. Separate Departments are available for maintaining and utilizing physical, academic and support facilities of College. Procedures: The physical infrastructure is provided as per the AICTE norms and direction from affiliated University and Government of Maharashtra in this regards. The various laboratories, library, Computer centre and other amenities Infracture are maintained well. The well class room with ICT enable facilities are available in class rooms. There is well establishment of IQAC Cell in the Institution for all types of quality oriented outcomes by quality process. The constitution of this cell is made as per direction of AICTE. The principal is the chairman of this cell. In every month probably meeting is conducted to review the working of academic, administrative and financial Department toward quality focus. The monthly progress report is called form each Department at IQAC. The analysis is made by IQAC cell and try to improve and only improve the processes. The academic will be conducted with well planning and other skilful programmes like core technical areas apart from university syllabus. The academic dean take care to monitor the progress of academic as per the planning. There are individual lab. Incharges and class teachers to utilised and maintenance the available facilities. A team of Supporting staff of Labs consisting of Technical asst., Skilled Asstt. Hardware Maintenance Engg.. They can be monitors and if small problems whether in hardware or software it get resolved by them under maintenance. The stock book of each item is maintained in Department level separately and every year it get physically checked and verified by verification committee. If any breakdown or fault in instruments, the maintenance team or individual report to the HoD and report to the principal for sanctioning. The probably budget and quotation are called after approval by Principal. The order will be issue to supplier with terms and conditions. Purchase the requisite items. All maintenance is done by internally under leadership of Maintenance incharge through his team includes Asst. Workshop Supervisor, Electrician, Carpenter, Plumber, Civil worker etc. All students provided the sport facilities like swimming pool, health centre, holly ball ground, tennis, health centre, naturopathy etc. Policies: Keep concentration on need of individuals both students and teachers. Full utilization of available resources. Good Library. Sport Complex for students. Outsourcing of Major Maintenance. The SOP operate as per requirement and follows. Preventive Maintenance of Electrical Generator cleaning of terrace before monsoon. Preventive Maintenance of Machine and computers is conducted. Inspection for earthing and Leakage of current and all types of security provided like fire extinguishers. Purchase of latest computers, electronics devices and keep updated the labs for practical work. Charging of batteries of Invertors made available. All academic and relevant facilities provision is on higher priority. Students mentorship by teachers, principal and management.

<http://hvpmcoet.in/>

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	Award to meritorious and colour coat holder	13	57000

	students		
Financial Support from Other Sources			
a) National	Scholarships	684	25302237
b)International	Nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Career guidance by alumni Mr. Akash Khapre (CSE)	01/02/2019	42	No
Expert talk on recent trends by alumni Mr. Bharat Makhija (CSE)	01/12/2019	68	No
Guidance for gate preparation (CSE)	01/02/2019	68	Gate forum
Workshop on VLSI (EXTC)	17/03/2019	70	Expert from Savitribai Phule Pune University
.Workshop on Basics of Ardiuno	01/07/2018	30	No
Workshop on Robotics	11/02/2019	150	MDB
Expert lecture on career opportunities in piping design Engineering and construction, boiler and plant equipment design engineering(MECH.)	08/01/2019	33	Asian academy of professional training
Expert lecture on career guidance on industrial domain	05/03/2019	72	Statics Solution
Bridge courses(CTA)	01/07/2019	100	No
Soft skill developm ent(ACT,SST)	01/07/2018	100	No
Personal Counselling and Mentoring	01/10/2018	500	No
Celebration of International Yoga day	21/06/2018	500	No
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Interaction with industrial personnel of NEML company for career guidance.	0	40	0	3
2018	Hackathon competition arranged by College and Guidance given by Netmonastery Company	0	55	0	2

[View File](#)

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

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
08	125	19	28	142	38

[View File](#)

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	4	HVPM COET	Electronics and Telecommunication	Vellor Institute of technology, Bangalore. Sandhipani School of VLSI Embedded System	M. TECH

2018	2	HVPM COET	Computer Science and Engineering	HVPM COET	M. E.
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	4
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Hackathon 2K19	College Level	45
Poster Competition	College Level	70
Project competition	Inter College	92
Tarang 2k19	Cultural activities at college level	500
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Bronze medal in All India interuniversity tournament	National	1	0	161809131068	Ankit Lohe
2019	Selected in Republic day parade	National	0	1	161809131062	Ashwathi Padmakumar Kaimal
2018	ColorCoat	National	1	0	181809168133	Manav Gulhane
2018	Secured First Position	National	0	1	0	Snehal Autkar
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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)

I. Yes, we call it as a Student representative committee (SRC), which is to be formed by following the certain rules and regulation listed below: Criteria for selection of SRC member: As per provision of Maharashtra University act 1994 Formation of SRC. A student shall be eligible to be, or continue to be, a member of any of the Students Council, only if he is enrolled as a full time student. The nomination of the student members of the Students Council shall be

made every year, as soon as possible after the commencement of the academic year on a date to be fixed by the management Council. The term of office of the nominated Student members shall begin with effect from the date of nomination shall extend upto the last day of the academic year, unless they have, in the meantime, incurred any of the disqualifications specified by or under the Act and shall then One third of the members of the Council shall constitute the quorum. The rules and procedure for conduct of business of the meetings and such other matters shall be such as may be prescribed. The Council shall meet at least once in every three months. Various activities are done by SRC committee such as attend feedback related meetings, organize and support blood donation camp, active participation in NSS activities, organize sports cultural fest, Tree plantation, organize and support departmental forums activities II. Annual Gathering Annual gathering is organized by college every year which is handled by faculties as well as students. General secretary is selected from student who is responsible for handling Gathering events. Committees are formed by General secretary of college and members of these committees are students. III. NSS NSS camp and various activities are scheduled during the year. NSS faculty incharges select coordinators from students. Faculty incharges, student coordinators as well NSS participants are responsible to handle various events. Activities Under NSS are Tree Plantation, Festival celebration at orphanage and old age home, Swaccha Bharat Abhiyan, Celebration of birth anniversary of famous personalities, Blood Donation Camp. Eye Checkup, Skill Development Training, Cycle rally on Occasion of World Heart day, Self Defence training for Girls, Cycle rally on Occasion of World Heart day, "NSS pathakache udghatan ani Ganjar Gawat Nirmulan Abhiyan". IV. Departmental forum Each department has departmental forum as Utakarsh Forum of CSE Department, FEATS forum of EXTC, ITSA forum of IT and Dynamic forum of Mechanical. Secretary, joint secretary and coordinators are elected from student by faculties. Various activities are arranged by the students during the session.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, Institute has registered alumni association. This association has been started from 14/12/2009 and registration number of association is MAH/823/09/AMT. The alumni's are working in software technology, mechanical Engineering and electronics based Industries like Tata consultancy, Aurus, Pune, Tristha Global Pvt. Ltd., Canopus Info system Pvt.Ltd, Indoor, Syntel Ltd, Pune, Just Dial, Three H Systems Pvt. Ltd. , Nagpur, Ttec (Motif), Tulip Technology,Pune, Oakland Systems Pvt.Ltd, Nagpur, Q ConneQT, JK Innovative Pvt. Ltd. Amravati, BONAZ CAPITAL, DHOOT TRANSSMISSIONS, RAPID EAGLE PVT LTD, NAGPUR, NET MONASTERY, Mumbai, Acute Informatics Pvt.Ltd, Epic Research Pvt. Ltd., Indore, Square Yards, Mumbai, Funskool India Limited, Goa, i2i Business Solution, Pune. The alumni's are scatter in India as well in abroad. This association consists of president, Vice President, Secretary, Joint secretary, Treasurer, faculty as well as students as member. The alumni meet is conducted at every year at the suitable place to both the College and aluminise. Various programs like alumni meet, alumni expert guidance to students and alumni expert seminars are arranged through this association. Alumni also donate books to college library for student's welfare. Every year alumni members are used to visit institute and give guidance about carrier and recent trends. Alumni expert talk is arrange whenever it is possible. Alumni association takes responses from alumni time to time through emails or telephonic talk. Feedback is taken from alumni to improve training and placement activities, to generate awareness about recent trends. Activities and support from the Alumni Association are as follows. Alumni expert guidance to students through programme organization. Alumni expert seminars are arranged on recent trends.

Alumni Feedback is taken to improve training and placement activities, improvement in university curriculum through board member of consult subjects. As a result of continuous interaction with alumni's, we have established the special type of skill based courses refers as Core Technical Area (CTA) that are apart from curriculum. The CTA are in the areas like Internet of Things, information and cyber security, 3D printing technology, software development and testing by Global Trista Mumbai. Every year students are get place for internship programmes and also get selected in the good companies like Tata Consultancy Services. To generate awareness related to recent trends in technology and conduction of internship training programs for final year students. Due to continuous inter action with alumni, it is better to set up linkage and transfer of latest technology through seminars, training etc.. Institute has portal through which current students can communicate with alumni association takes responses from alumni time to time through emails or telephonic talk. It is in planning that to upload online feedback form for alumnus. This association helps to interact with the current students and the demanding technology in the market. By which we can focus to provide the training in such areas inclusive of fundamental subject knowledge. The progress of Institution is share with these alumni. Every year students get success in their career due to the guidance and cooperation of alumni's. The alumni shares various types of

5.4.2 – No. of enrolled Alumni:

204

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

100000

5.4.4 – Meetings/activities organized by Alumni Association :

- Alumni meet(batch 2018 pass out) on dated 19th January 2019 • Career guidance by alumni Mr. Akash Khapre (CSE) • Expert talk by Bharat Makhija

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 following are two practices of decentralization and participative management during last year

1. Delegation of authority and operational autonomy: It provides autonomy to Head of Department in various activities like Head of Department has all the authority to take decision regarding academics as well as extracurricular activities of the dept. like internal assessment exams, industrial tours, Short Term Training Program, requirement of consumable, nonconsumable items, text books, journals Periodicals etc., Academic authority for allocation of subjects, preparation and execution of academic time table etc., Financial authority to some extent within the provision of budget, Head of Department is member of selection committee for selection of faculty in department, Innovation in teaching learning process beyond syllabus activities.
2. An institute promotes the culture of participative management: The culture of participative management enables all Head of Departments, Deans, all teaching supporting staff and students to give their advises, suggestions and participates in decision for development of the College. Principal of the institute frequently convenes the meetings with Head of Departments, academic deans, class teachers, faculties, supporting staff of the institute, students and parents. Meetings of all committees are regularly held for policy framing implementation strategy. Participative Management: Improve and master this core skill with these ideas • The learning attitude. Everyone should carry a

learning attitude because we don't know it all. There is still so much we all ought to learn no matter your level of education. The learning attitude can be influenced by acknowledging and respecting the opinions of others. To be able to do this effectively, it requires recognizing local expertise and the knowledge shared in the teams. The roles of the facilitator are to enhance the involvement of all the interested parties in each process including carrying out analyses, evaluations of problems, creating opportunities and the taking of informed, timely decisions. The learning attitude should also be cultivated by using training sessions, workshops, innovations, creative thinking and any platform that seeks to educate the employees and management.

- Interactive process. Develop an interactive process in the office to brood a culture of team members who are willing to share with one another. Participation in the interactive process is developed over a significant period. It cannot be developed or implemented overnight because of different personalities in the workplace. Therefore, create a culture of participation right from the onset of the company to allow the employees to grow with it and interact with each other every day. Such a culture will grow to become an innate quality to many employees who stick around long enough and practice it without pressure. Disagreements should be handled carefully to ensure this process is not tampered with or employees shattered,
- Keep a positive working style. A positive working attitude attracts others to you and encourages an openness that leads to active listening to critical viewpoints and sharing of opinions without reacting in a way that offsets a poor working condition. This attitude also carried an open mind that can think creatively of solutions

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Industry Interaction / Collaboration	<p>In effective operationalization of the curriculum, Institution's network and interaction with Industry, research bodies and University are as:</p> <ul style="list-style-type: none"> • Institute Industry interaction and networking to aware with Industry trends to mitigate gap of University curriculum and technology in Industry applications • Industry experts of leading Industry like Microsoft, CCIL etc. are on Governing body of the college • Industry experts from domain knowledge are on the panel of 'adjunct and resource persons of Industry' • Organizing their inviting lectures during the course of study on related topics physically or virtually Guidance taken for academic projects as per University curriculum • Visits to Industry, data centers, laboratories to supplement the application of theoretical knowledge given in the class room • Inviting scientists and researchers for key note addresses, expert talk as resource person during national conferences, seminars,

workshop and other related meeting organized by Institution •?Inviting scientist, researchers for one/two week training programme on the advanced curriculum topic •?Joint publications of faculty with researchers/ scientists/experts •?Inviting researchers/ scientists/experts to supplement, conduct of curriculum

Admission of Students

? Admissions are conducted according to Admission Regularity Authority

Curriculum Development

•?To develop course contents in consultation with Industry for the identified core areas of Software Testing, Remote Infrastructure Monitoring Management (RIMM), Information Security, Software development, VLSI, Embedded System IOT, Automation Designing Drafting
 •?Validation of course contents from other related Industry •?Development of course contents and its implementation for other employability attributes like Communication skill, soft skill and aptitude •?Planning of implementation of courses design with the help of interested college faculty, resource person from industry and professional trainers •?Assessment of trainees by internship, mock placement tests

Teaching and Learning

1) To fulfill statutory regulatory norms and regulation regarding infrastructure. 2) To fulfill requirement of additional infrastructure as per university curriculum and syllabus. 3) To provide advance ICT infrastructure. 4) To provide amenities infrastructure. 5) To provide infrastructure for research, innovation and development. 6) To provide infrastructure for curriculum enrichment, skill development and employment enhancement. 7) To provide books journals eresources, digital library and other infrastructure to knowledge resource center. 8) To develop computer center with adequate computer requirements, language laboratories, virtual class room, seminar halls. 9) Policy of institution in this respect is also reflected in mission, vision, objective goal of institution. 10) Computers and Software

Examination and Evaluation

IQAC cell monitoring the centralized internal examination and evaluation. On line submission of internal assessment

marks and external practical examination marks. Evaluation of the student for the subjects of environmental science. Question paper is given by college and evaluation is done as well. Evaluation Reforms done by Institute on its own: 1) Evaluation of student by external agency for Communication skill, Aptitude, Core technical knowledge for employability enhancement scheme, Internship and evaluation of internship projects by industry experts. 2) Technical competition like Hackathon monitored by industry experts. 3) Group assignments, subject seminars, miniprojects 4) Class test, Quiz 5) Remedial test. 6) Internal work submission. 7) Project report for the subjects like environmental studies. 8) Use of Language lab for communication skill evaluation.

Research and Development

To become selfreliant autonomous technical institute with research and development in identified programs and thrust areas. Expansion in four quadrants like Research and Development, technical activity, social, curricular and cocurricular activity in 360 degree. Appreciation /Awards/ Incentive for research and development

Library, ICT and Physical Infrastructure / Instrumentation

Central library and digital library facility. provide books journals eresources, digital library and other infrastructure to knowledge resource center. ICT infrastructure including LCD projectors, WiFi and high speed internet connectivity availability of NPTEL and other MOOC materials ??Highspeed, high bandwidth optical fiber lease line for internet facility ??WiFi facility ??Networking of computer (Intranet) ??Each department is provided with minimum 20 systems separate computer lab. ??Digital library with high speed internet connection. ??erepository consisting of NPTEL videos, ebooks and other e contents like study material, question paper, model answers. ??Subscription of ejournal. ??Membership national digital library (NDL) ??Motivation and incentives for conducting virtual classrooms, digital classroom sessions and laboratories.

Human Resource Management

? 1. Planning providing qualified

experience human resources and continual human resource development ? 2. Ensure high level of motivation and moral of faculty and staff ? 3. Sympathetic and Empathetic approach towards faculty and staff ? 4. Performance Based Appraisal System (PBAS) ? 5. Technical skill training to Class IV employees ? 6. Career Advancement Schemes and promotional policy ? 7. Exchange of faculty with foreigner institute ? 8. Induction Program for newly recruited faculty. ? 9. Optimum Utilization of Human Resource.

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

E-governance area	Details
<p>Planning and Development</p>	<p>Planning and Development: EGovernance solution in the field of educational sector has changed the way administration is being done now. The solution incorporates whole data and processes of an educational Institution into a unified system, making the process uncomplicated, wellorganized and error proof. The solution is designed to make the system userfriendly, time saving and cost saving also. Many of them are flexible enough to adapt to the changing educational environment efficiently and quickly. EGovernance plan helps in improving transparency, providing speedy information, dissemination, improving administrative efficiency and public services in all the aspects of education. Educational institutions may have various requirements that include computerization and management of processes such as registration, admission, student information, classes, time table, transport, attendance, library, salary and expenses, examinations, performance, grades, hostels, security and reports.</p>
<p>Administration</p>	<p>2. Administration: Many of the software providers allow choosing from the available modules to suit their needs. Departmental Administration, Human Resource administration, Library administration, and academic administration is possible. egovernance can facilitate in improving transparency, participation providing speedy information, dissemination, improving administrative efficiency and</p>

public services in all the aspects of education. Governance is not only participatory but also accountable and transparent for the smooth functioning of the system. Concept of EGovernance EGovernance solution in the field of educational sector has changed the way administration, which is designed to make the system userfriendly, time saving and cost saving also. Many of them are flexible enough to adapt to the changing educational environment efficiently and quickly and effectively. It is an integrated solution in the education sector that facilitates the processing and maintenance of large volumes of information such as: registration, admission, student information, classes, time table, transport, attendance, library, salary, expenses, examinations, performance, grades, hostels, security, reports, management, transport, staff details and fees among various departments in an institution.

Finance and Accounts

3. Finance and Account: Egovernance enables the finance and account section to planning and budgeting of College and handle all financial business smoothly. It help to improve new class of quality of services and to provide multichannel service delivery system. The vision of egovernance is to transform service delivery through the use of IT and Multimedia. Egovernance can be defined as delivery of government services and information to the public using electronic means. Such means of delivering information is often referred to as ICT. Use of ICTs in government facilitates an efficient, speedy and transparent process for disseminating information to the public and other agencies, for providing services, and for performing administrative activities.

Student Admission and Support

2. Student Admission and Support: To help in admission management process of College. Egovernance requires several elements of good governance, such as transparency, accountability, participation, social integration, financial management reform and development. It includes a very broad range of services for almost all segments of society. This system helps to maintain the students information.

Examination

5. Examination: The most common areas of e-governance applications is coverage of Examination system. College has well setup of e-governance of examination work. This help to declared the results of unit test and common test within three days. The purpose of implementing e-governance is to enhance good governance. Good governance is generally characterized by participation, transparency and accountability. The recent advances in communication technologies and the Internet provide opportunities to transform the relationship between college administration and students. Benefits of e-governance in an education sector The benefits of e-governance in an educational sector are improved efficiency, increase in transparency and accountability of educational administrative activities convenient and faster access to services, and lower costs for administrative services. The multifaceted benefits of e-governance can be described as under these points:

- Increase the efficiency of the various departments and reduces duplication
- Preparation of reports becomes easy and quicker.
- Harassment of the students is reduced.
- Easy online information and submission of forms and payment also becomes almost immediate.
- The management, faculty members, students and administrative staff get connected to the each other more easily leading to enhanced efficiency in delivering service by the way of faster dissemination of information that on a very low cost.
- Equal opportunity to access to information is provided regardless of one's physical location and physical disability thus removing distance barriers.
- Leads to significant reduction of transaction costs, time, space, and manpower.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr.P. L. Ramteke	Workshop at JD College of	HVPM COET	1000

		Engg. Technology, Yavatmal		
2018	Prof.A. A. Karmarkar	Workshop at IIT Mumbai	HVPM COET	5000
2018	Dr.U. A. Belorkar	Conference at Mumbai	HVPM COET	5000
2018	Dr.A.B.Raut	Workshop at CDAC Pune	HVPM COET	5000
2019	Prof.A. A. Karmarkar	Training at Bangalore	HVPM COET	6000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	High Performance Computing Technology	Computer Hardware	02/07/2018	07/07/2018	42	20
2018	Cloud Computing	Hardware Maintenance	10/12/2018	15/12/2018	30	20
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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
Performance Computing Technology	42	02/07/2018	07/07/2018	05
NPTEL Courses	15	08/01/2018	15/10/2018	65
Koha workshop	20	03/08/2019	03/08/2019	01
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
1	1	0	1

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Family Insurance	Family Insurance	Scholarship and Insurance

6.4 – Financial Management and Resource Mobilization

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

Yes Institute have both internal and financial audit regularity. Internal Audit: Account officer and head of institution conducted auditing internally. External Audits: Accounts are audited every year by chartered accountant. College has appointed Chartered Accountant for External audit of institution. The last statutory/External Audit was done for the financial year 20182019. There were no major audit objections. The accounts department of the Institution facilitates maintenance of books of accounts, preparation of account statements and for auditing of accounts from Chartered Accountant to help submission of utilization certificate to the funding authorities

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
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

00

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		Yes	
Administrative	Yes		Yes	

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

YES Activities 1) Parent meet 2) Student performance Report 3) Parent feedback on Teachers Facilities

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

1) Staff development Training 2) Cyber security awareness program

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

1) Submission of AQAR every year 2) FEAT proforma develop for higher cadre teachers 3) Research centre established

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Every Profes	21/06/2018	26/06/2019	31/12/2019	8

	<p>Professor/Associate Professor must have approved format proforma with plan and submit their work progress report every two months.</p>				
2019	Ph.D. Research Centre Started	01/06/2019	01/06/2019	31/12/2019	15
2018	Successful Proposals submission for funding to AICTE, DST	25/09/2018	01/11/2018	31/12/2019	4
2018	Monthly Academic Progress Report	01/06/2018	15/06/2018	31/12/2019	15
2018	Beyond syllabus activities	01/06/2018	01/06/2018	31/12/2019	40

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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
Women's Day Celebration	08/03/2018	08/03/2018	70	50
Eye & Girl's Medical Check-up Camp in NSS Camp	02/01/2019	09/01/2019	40	50

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

? **Environmental Consciousness Sustainability:** The location of institute is in the Center of city. Besides having infrastructure as per the necessity for an educational campus, the institute puts in conscious efforts to enhance and nurture the ecofriendly environment on the campus. The campus consists of large number of outdoor, play grounds and open spaces. Faculty and students take up projects to support the maintenance of healthy environment. The Institute

authorities are very keen on making the campus ecofriendly by adopting energy conservation practices, effective waste management at source, reuse of blank pages, use of renewable energy, rain water harvesting and grey water for plantation inside the campus, making the campus clean, green and healthy. Monitoring and upkeep of the green environment on the campus is done by the maintenance department. University has given the best environment award. The ministry of new and renewable energy (MNRE), Government of India, has sanctioned the conversion of existing campus into green campus. ? Alternate Energy Initiatives: 1. Solar grid tied photovoltaic power plant is established on the roof of COET Building Workshop building which has capacity of 100 KWH. It generates average 42 MWh energy per Year thus conventional electricity is conserved. 2. Bio gas for canteen to conserve nonrenewable sources like petroleum fuel and electricity. 3. Use of natural lighting and air circulation in design of new structure like canteen, saves Electricity The SemiTransparent glass windows of the class rooms facilitate the maximal utilization of natural light.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	100
Provision for lift	No	0
Ramp/Rails	Yes	70
Braille Software/facilities	No	0
Rest Rooms	Yes	10
Scribes for examination	No	0
Special skill development for differently abled students	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	7	01/01/2019	07	NSS camp	Pimpalgao (Bainai)	180
2019	1	7	01/01/2019	07	Conduction of teaching classes for local peoples	Pimpalgao (Bainai)	180
2019	1	7	01/01/2019	07	Conduction of Eye checkup Camp	Pimpalgao (Bainai)	180

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

Title	Date of publication	Follow up(max 100 words)
Information Brochure	01/05/2018	<ul style="list-style-type: none"> •?Message from Director and Principal •?MissionVision Statements, Goals and Objectives •?Details of fee structure •?Eligibility criteria for admission •?Courses offered and intake •?Information of each department •?List of Faculty with qualification and Experience •?Placement details •?Awards and Achievements of students in various activities •?Details of facilities like Library, Hostel, Computer centre, sports and games •?Glimpses of annual gathering •?Activities of students in NSS camp •?Information related visits of Eminent Personalities and value added amenities of the Institute •?Rules for Discipline like anti ragging
Students Academic Diary	01/05/2018	<ul style="list-style-type: none"> •Preamble of Constitution • Historical glory of HVPM (Trust) • Vision, Mission, Goal and Objective statements of Institute • Details of Desired outcomes of education and key stage outcomes of education • Details of Governing body and various committees of Institute • List of various committees with convener and members • Details of courses and sanctioned intake • List of department wise teaching faculty, Administrative and office staff, Library and technical staff and resource persons from industry with contact number • List of emergency situations which may occur and

details of incharge and their telephone numbers to contact for the same •
 List of important websites • Academic calendar of upcoming sessions • Code of conduct for students • University Ordinances •
 Details of Internal assessment marks •
 Formats of applications and of various affidavit for students • Details of various types of scholarships and financial assistance schemes • Information to the students about bank details, Planned schedule activities of skill sharpening school •
 Information of library

Teacher's Diary	01/05/2018	<ul style="list-style-type: none"> • Details of Institute's Vision, Mission, objectives. • Goals, Long term Goal. • Desired Outcomes of Education • Key Outcomes of Education. • Roles and Responsibilities. • Code of Professional Ethics • Personal Information • Academic Calendar • Expected key performance Area • Know Your Subject • Academic Time Table. • Evaluation Work Schedule. • Teaching Plan • Attendance Record • Internal Assessment • Mentoring Report • Performance based selfAppraisal scheme
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7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
'Cycle Rally' Conduction on World Heart Day	29/09/2018	29/09/2018	100
'Surgical Strike' Show Conduction	29/09/2018	29/09/2018	35
'Flash Mob' Show Conduction	02/10/2018	02/10/2018	100
Motivational Reading Day	13/10/2018	13/10/2018	60

Celebrated			
'Swacchata Abhiyan' Conduction	30/01/2019	30/01/2019	50
Resolution Day" Conducted on Gandiji's Assassination Anniversary	30/01/2019	30/01/2019	20
'Baal Mahotsav' Conduction	02/02/2019	03/03/2019	600
Marathi Language Day Celebrated	27/02/2019	27/02/2019	70
Women's Day Celebration	08/03/2019	08/03/2019	60
'Holi Festival' Celebrated at SadaShanti Orphanage	20/03/2019	20/03/2019	40
International Yoga Day Celebration	21/06/2019	21/06/2019	7000
'Maha Shram Daan' (Voluntary Work Contribution)	19/05/2018	19/05/2018	35
Tree Plantation	17/07/2018	17/07/2018	50
Blood Donation Camp	07/09/2018	07/09/2018	175

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

Following initiatives are taken by the college to make campus EcoFriendly

Energy Conservation: The following steps are taken for energy conservation: 1) Energy audit of full campus and institution. 2) Replacements of inefficient worn out water pumps by energy efficient new pumps. 3) Use of natural lighting and air circulation in design of new structure like canteen. 4) Policy is framed to replace energy in efficient system by efficient system like LED lamps energy efficient equipment. 5) Use of renewable energy solar street lamp, bio gas for canteen to conserve nonrenewable sources like petroleum fuel and electricity. 6) The glass windows of the class rooms facilitate the maximal utilization of natural light. The traditional lighting systems are replaced with energy Efficient (Light Emitting Diode) LED lighting system. Posters and Practice of Switching off the electrical equipment when not in use is being done.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Following are some of core technical areas run by institute apart from regular curriculum of SGB Amravati University: Internet of Think Software Development and Testing 3D Printing Technology Cyber security which demonstrate use of standard cyber laws to enhance information security in the development process and infrastructure protection, marketing retail, textile machinery operating etc. 01 Unnat Bharat Abhiyan: Under the UBA program, HVPM College of Engineering and Technology has adopted five villages in Amravati District - KavithaBoob, Dhamori, Dhaba, Pimpalgaon Bainai, Dawargaon. Where following major common problems of villagers were identified - 1. Poor infrastructure and poor quality of primary education. 2. Lack of awareness regarding govt.

policies schemes. 3. No waste management. 4. The very poor economy of farmers due to lack of irrigation Facility natural rainfall. They provided solutions for all villages. In village Dabha, UBA cell at HVPM College developed Environment controlled Automated Greenhouse for high valued agro produce in the Vidarbha region, also developing Twin Toilets for Sanitation and solidliquid waste management from individual usage in rural areas for Pimpalgaon Banai.

Achievements • The project has been successfully completed. • Successfully developed Environment controlled automated greenhouse with an embedded system in Village Dabha. Farmers were trained to perform advanced farming with a good economy. This project is an ultimate solution to produce agro products such as strawberries, peas, squash, cherry and litchi which never have been cultivated before in the Vidarbha region. • It is proven now that a very tasty, colourful, juicy, dense and good quality strawberry production is possible with automated environment controlled greenhouse in the Vidarbha region. • This project is a role model for all the farmers in the Vidarbha region to take such kind of

initiative to cultivate highvalue agro produce independent of natural environmental calamities. • A good awareness publicity of the UBA program among the stakeholders like farmers, academicians, technocrats due to visit the project at village Dabha seminars on the project topic. Due to proper water management conservation, the message is passed, "Farming is Profitable". • The project was highly appreciated by Padmabhushan Dr. Vijay Bhatkar. Project

Outcomes Students achieved first prize in Annual National Project Competition2019 for SGBAU Startup Fest received the grant of ₹300000. They targeted to make poor farmers rich and rich farmers to richer and they started their own company. Farmer gained ₹3, 00,000 from one yield of strawberries. •

This project is nothing but a onetime investment and an alltime gain. • The Farmers in the Vidarbha region can now improve their economy by cultivating fruits like strawberries, peas, squash, cherry and litchi. • The local market of the Vidarbha region now gets fresh strawberries at lesser prices. • During the inaugural ceremony, the ViceChancellor of SGB Amravati University declared that the same Greenhouses of 1 acre to be implemented in Chikhaldara. •

Development and use of technology for rural development. • Independent of nonrenewable electricity and rainfall. • It does not require any human intervention Complete Greenhouse will be fully automated. • Established the company "Agrotech services counselling India Pvt. Ltd" by UBA students. • Got the work order of Rs. 5, 00,000/ from district collector Amravati. All the functions to be performed by the Fan, dripping, Sprinkler and flipping of roof

of inner layer poly greenhouse to control the climatic conditions like temperature, relative humidity, soil moisture Levels and CO2 in the Greenhouse environment are all maintained as per the requirement of proposed high valued fruits. Will strengthen the economy in rural areas which will ultimately help to develop the economy of India. Environment controlled Automated Green House for Production of Strawberries which has never been cultivated in Vidarbha

Region before (left) Strawberry produced after installing automated greenhouse.

This is the success story of our institutions conducted under Unnat Bharat Abhiyan. It is awarded by Sant Gadge baba Amravati University, Amravati in their function. This strawberry product can be produced if we controlled the temperature, and maintain all types of environments. This project is our successful project at this Amravati district. Where we used different

technology. This is ideal and moral project that inspire the villagers. If such type of projects carry on by the villages under the guidance of technocrats, they will get success and products get increased hence more revenue will be generated for them. They will be more and happier. No one will be runs toward the cities. And villages will become riched. 02 Core Technical Area (CTA):

Following are some of core technical areas run by institute apart from regular curriculum of SGB Amravati University: Internet of Think The objective of this new area to impart necessary and practical knowledge of components of internet of think and develop skills required to build real life IOT base projects.

After the completion of this course, students will be able to learn and understand IOT and its hardware and software components, interface I/O devices, sensor and communication module, remotely monitor data and control devices, develop real life IOT projects. Software Development and Testing 3D Printing Technology 4. Cyber security: This course has been designed to give students an extensive overview of cyber security issues, tools and techniques that are critical in solving problems in cyber security domains. The course aims at providing students with concepts of computer security, cryptography, digital money, secure protocols, detection and other security techniques this will help students to gauge understanding in essential techniques in protecting information systems, IT infrastructure, analysing and monitoring potential threats and attacks, devising security architecture and implementing security solutions. The students will also have a wider perspective to information security from national security perspective from both technology and legal perspective. Cyber security which demonstrate use of standard cyber laws to enhance information security in the development process and infrastructure protection, marketing retail, textile machinery operating etc. Understanding the fact that lessons in engineering cannot be confined to only class room teaching, the education in our college has always tried to reach beyond the curriculum. A special lineup called "Core Technical Area" CTA has been identified from the miscellaneous courses and run scrupulously to enhance the employability skills of students. Recognizing, that the graduates of tomorrow can no more be contented by seeking a job, but they should be able to create jobs for others the students are encouraged to take a leap for a Research, Innovation and Incubation based design approach. Students have been encouraged to participate in real life projects at national as well as international level to achieve a global outlook. Projects with innovative ideas and entrepreneurial approach are encouraged. To bridge up gap of Core Technical Area (CTA) other employability attributes Design Development of the course • To develop course contents in consultation with Industry for the identified core areas of Software Testing, Remote Infrastructure Monitoring Management (RIMM), Information Security, Software development, VLSI, Embedded System IOT, Automation Designing Drafting • Validation of course contents from other related Industry • Development of course contents and its implementation for other employability attributes like Communication skill, soft skill and aptitude Core Technical Area (CTA) based Education • Teaching Learning and Training to the students selected in CTA • Internships • Live / HiTech / High end Projects in Industries • More and regular visits to the Industries for being exposed to best and latest Industry practices • Guest Lectures / Technical Seminars / workshops by Industry experts, on latest and emerging technologies • Soft skills , Finishing School , Corporate Culture / Training by Industry experts • Industry oriented Paper presentations • Supply of books / technical papers to the library on latest findings / technologies / innovations • Active participation in Technical events / festivals by the Industry leaders Develop and equip competitive and innovative spirit among the students by: • Organizing competitions conducted by Industry experts • Inter College technical and other competitions • Motivating the Companies to encourage excellence among students by awards / scholars

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

<http://hvpmcoet.in/>

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

AICTE has conducted the one day national seminar on 'Developed Village Develop

Nation' at Campus of AICTE New Delhi. Dr. A. B. Marathe and Dr. P. L. Ramteke were participated and presented the papers on themes on agricultural product development through technological based. The various types of village development themes presented by coordinators of aal states of India. That was the inspired moments for us, and we take this new village development is a challenges for us and started this journey. As a result we had taken one project which is successful only in cold places but in warm environment we conduct this project and get successful through use of technology. Unnat Bharat Abhiyan is transformational change in rural development. We have taken this project of Unnat Bharat Abhiyan as challenging work. In regard we attended workshop of Unnat Bharat Abhiyan 25 may 2018. On 8 of June 2018 principal and nodal officer along with faculty coordinator conduct the meeting with honorable district collector mr. Abhijit Bangar and create the positive response from collector and following thins are finalised and submitted to the office of hon. Collector with above reference our college namely HVPM College of Engineering and Technology Amravati is selected under Unnat Bharat Abhiyan, a flagship program of ministry of human resource development (MHRD). Under UBA. we have adopted five villages in amravti district. As shown below. 1 Kavitha boob taluka achalpur, dhamori taluka bhatkuli, dabha taluka nandgaon khandeshowr, Pimpalgaon banait taluka nandgaon khandeshwar, and davargaon taluka Amravati. As per the direction given under UBA we have taken the intestinal meeting to take serve of villages and link given them through Grampanchayat of respective villages. Our district collector send letter to all concerned adopted villages and given directors to help in all respect. With the vision and mission of UBA we have prepared the following team of our institution along with five groups of students (each group will have at least 40 students.) Dr. A. B. Marathe were the head of activity or adopted villages, Dr. U. A. Kshirsagar, work as a nodal officer for all adopted villages. S. U Bande and Mrs. S. P. Gawande faculty coordinator for the village Pimpalgaon banait taluka nandgaon khandeshor, Mr. A. B. Kharate and Mrs. Rupali Deshmukh were faculty coordinator for village dabha taluka nandgaon khandeshar, Mr. A. E. Bhande and Mrs. Prajkta Chapke were coordinators for village davargaon and Mr. P. D. Kaware and Mrs. P. U. Ishwarkar faculty coordinator for Kavitha boob taluka achalpur, Dr. P. K. Sontakke and Mr. Parag Akarte faculty coordinators for village dhamori taluka bhatkuli. The propose plan for implementation of Unnat Bharat Abhiyan activities as: 1 Meeting with collector and office bearer of this college along with nodal officer and faculty coordinators with villagers' office bearer office of Grampanchayat of adopted villages. Implemented on 10 June 2018. Meeting of institute head along with nodal officers faculty coordinators village bearer panchayat of adopted villages and serve of villages conducted on 20 July 2018 march 2019.

Provide the weblink of the institution

<http://hvpmcoet.in/>

8.Future Plans of Actions for Next Academic Year

Institution Autonomy: Planning to provide Institutional Autonomy through which Institute are able to work independently and setup the own curriculum as per changing technological environment. Curricular integration of essential subjects and skills: While students must have a large amount of flexibility in choosing their individual curricula, at the same time certain subjects and skills should be learned by all students in order to become good, successful, innovative, adaptable, and productive human beings in today's rapidly changing world. In addition to proficiency in languages, these skills include: scientific temper sense of aesthetics and art languages communication ethical reasoning digital literacy knowledge of India and knowledge of critical issues facing local communities, States, the country, and the world. Education at affordable cost: To provide standard education with affordable cost. Research Centre: To develop

research centre approve by affiliated University and conduct useful research work. A new paradigm of assessment for learning and development: Guidelines will be prepared by NCERT, and teachers prepared, for a transformation in the assessment system by 2022, to align with the NCF 2020. The focus will be on formative assessment, i.e., assessment for learning. In this transformation, assessment will be redesigned to primarily test core concepts and skills along with higher order capacities such as critical thinking, analysis, and conceptual clarity rather than rote memorisation. This approach will be used across all examinations from schools to "entrance examinations" to National or Statelevel achievement surveys to university examinations and examinations for employment. Examinations will not be as "highstakes" the psychological burden on students will be significantly reduced through mechanisms such as best of multiple attempts. Create world class multidisciplinary higher education institutions across the country. Our aims to serve as a hub for developing ideas and innovations that enlighten individuals and help propel the country forward socially, culturally, artistically, scientifically, technologically, and economically. Fragmentation of the higher education system: This fragmentation of the system leads directly to severe suboptimality on various fronts: resource utilisation, the range and number of programmes and disciplines, the range and number of faculty, and the ability to carry out highquality multidisciplinary research. Liberal Education: The needs of the 21st century require that liberal broadbased multidisciplinary education become the basis for all higher education. This will help develop wellrounded individuals that possess critical 21st century capacities field or fields. Such a liberal education would be, in the long run, the approach across all undergraduate programmes, including those in professional, technical, and vocational disciplines. Conduct FDP: Planning to conduct of FDP. Provide Quality Education at affordable cost. Create optimal Learning environment for students with Innovative, responsive curriculum and pedagogy. Student support for learning and development: Provide facilities of elearning. Open and distance learning: Curriculum and pedagogy for enhancing access and opportunities for lifelong learning. Internationalization of higher education it is essential to nationalization and internationalization of education system for maintain standard. To made Energized, Engaged and Capable Faculty. Establish a new Research Foundation centre to create acceptable and useful research work. Building research capacity at colleges