



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

HANUMAN VYAYAM PRASARAK MANDAL'S COLLEGE OF ENGINEERING AND TECHNOLOGY

HANUMAN VYAYAM NAGAR NEAR AMBADEVI TEMPLE HVPM CAMPUS,

AMRAVATI

444605

www.hvpmcoet.in

SSR SUBMITTED DATE: 19-03-2023

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

March 2023

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The College of Engineering and Technology was established in the year 2002-2003 and is permanently affiliated to Sant Gadge Baba Amravati University, Amravati. The college is approved by AICTE, DTE and Maharashtra Government.

The College of Engineering and Technology, Amravati (Maharashtra), is an Institution having a dedicated outlook towards Quality in Technical Education is established under Hanuman Vyayam Prasarak Mandal. There have been conscious and persistent efforts towards pursuit for excellence in the overall development of the students and staff. The academic schedule is so framed as to keep the students on toes to plan their activities beyond College engagements; to pursue hobbies, interests, explore career options, take up internships etc. which otherwise lies beyond the ambit of technology education. Recognizing, that tomorrow graduates can no more be contented by seeking *a job*, but they should be able to create jobs for others; students are encouraged to take a leap for Research, Innovation and Incubation based design approach. Projects with innovative ideas and entrepreneurial approach are encouraged.

The Institute has always envisioned instilling life skills among the students through their participation in various extracurricular activities like NSS, Unnat Bharat Abhiyan, intercollegiate sports and cultural competitions has won several accolades. With this global vision, the Institute is gearing up to become a quality engineering Institute. The spectacular growth in period of 19 years was possible due to humane view of management towards faculty and staff. The faculty has put their efforts in pursuing research, development and consultancy activities which have helped them to keep with the latest developments in their respective fields of interest.

The College has University approved research Labs for the subjects Computer Science & Engg., Electronics and Telecommunication Engg., where research scholars are pursuing Ph.D.

Vision

“To make this institute a center of quality technical and professional education, training and promoting research.”

Mission

- To offer a well balanced programme of learning in technical and professional education.
- To provide opportunities for overall personality development, discipline and values in students.
- To establish linkages with industries and other stake holders for the promotion of dissemination of knowledge of applied technology, placement of students and continuing education.

OBJECTIVE

- To qualify the students for university and other examinations for making them eligible for degrees

conferred by university.

- To provide for research and for dissemination of knowledge through instructions, training and education.
- To take appropriate measures for promoting innovations in teaching-learning process and inter-disciplinary studies and research.
- To establish linkages with industries for the promotion of dissemination of knowledge of applied technology and for placement of students.
- To pay attention to welfare of society in general.
- To pay attention to overall development, discipline and values in students.

GOALS

- To groom various departments and laboratories for research programs.
- To develop thrust areas activities like energy, waste management, green campus.
- To develop “lifelong learning” activities.
- To achieve at least 50% placement of students.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Institutional Strength :

- Well qualified, motivated and competent blend of high experience and young dynamic faculty.
- Effective teaching-learning process with special emphasis on student centric learning.
- Effective Students Mentoring system. Emphasis on innovative practices, thrust area activities. Systematically developed strong Industry-Institute Interaction.
- Established center for modernized and systematized Indian system of physical education with state of Art, Sports facilities like Running Track, Swimming Pool, Play Ground & Stadium in the campus.
- Excellent infrastructure and well equipped laboratories. Special attention towards Training and Placement.
- Residential facilities for students. Highly disciplined environment. Safety and security in and around the campus.
- Spacious college building in Green campus with Solar Power Plant, Rain Water Harvesting, Solid Waste Management system.

Institutional Weakness

Institutional Weakness :

- Many students come from poor socio-economic and rural background; have low academic background, weak communication skills and presentation skills.
- Located in Industrially underdeveloped region.
- Constraints of financial resources being Self-Financed Unaided institute.

Institutional Opportunity

Opportunities :

- Opportunity to develop the status of institution from an affiliating college to an Autonomous Institution.
- More scope to implement modern educational technology in teaching learning process.
- To develop more number of domain specific knowledge and skills based employability enhancement programme.
- Generate more opportunities for self employment & placement for students.
- Introduction of Job Oriented, Sport Engineering related courses and Add-on courses.
- Support from Industries of local area & state.
- Widening scope for more consultancy and add financial resources.

Institutional Challenge

Challenges before Institution :

- Employing highly qualified teaching faculty.
- Pace of rate of change of Technology.
- Involving more Industries for training, development & placement.
- Creating advance research facility for faculty members.
- Better quality of students at entry level.
- Excessive regularity frame work.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Curricular Aspects are as mentioned belows:

- The College follows academic calendar of the University and monitors through various academic bodies formed at institution level.
- Curriculum implementation is monitored through formed different committees.
- Teaching schedules are designed to match the course coverage
- Flexibility is limited to choice of electives including inter departmental electives.
- Offering summer training projects to augment learning.
- Soft skills courses are arranged for increasing learning effectiveness.
- Curriculum enrichment through seminars, guest lectures and lectures of visiting faculties.
- Laboratories are developed for smooth conduct of practicals.
- Content beyond syllabus is offered in limited subjects.
- Facility for research and dissemination of knowledge through instructions, training and education
- Few value added courses are prepared in consultation with NASSCOM in particular.
- Students are encouraged to get enrolled in online courses viz. SWAYAM, NPTEL ,MOOC etc.

Teaching-learning and Evaluation

Teaching-learning :

Institute is constantly working to bring learning culture and take a lot of efforts to use of student-centric methodologies for all round development and to augment the learning experience. Following methodologies are utilised for better understanding and involvement of students.

a)Experiential learning b) Participative learning c) Problem-solving d) Students find solutions to real-life problems and learn many inputs through the platform like Unnat Baharat Abhiyan.e) Case study methodology has been used which is based on different business problems f) Students participate in MOE'S AICTE IKS Internship program to study ancient knowledge g) Faculty members are effectively using ICT enabled platform g) All types of teaching aids, including MOOCS, NPTEL and SWAYAM and modern teaching and learning tools available in the institutions which are regularly used by the faculty members. h) Students are encouraged for National level participation in events like Hackathon and sports. j) The Institute is having high speed broadband internet to enrich the teaching learning process. Each class room is having projector. k) Faculty and students can access digital library resources, including journals with the help of Library. l) The institute provides platform to the online databases to facilitate faculties and students to access these e-resources. m) Institute is a member of NDLI Club for accessing e-resources. n) Faculty members are using the online platform like Google meet, Google classroom, Webex and Zoom in effective manner .

Evaluation Process :

- Examination system is designed as per prescribed university norms.
- For Internal evaluation , an assessment process is carried out through prerequisite Test, unit Tests, common Test, Assignments, class test , internal submission of term work, viva , project demonstration and seminar as per university policy. From the start of session two Unit Tests are conducted within session and at the end of session common test is conducted.
- For External Evaluation of : A) Practical Examination is conducted and evaluated by the internal and external examiner appointed both by university. B) Theory Examination is conducted as per University guidelines and evaluation of it is carried out at University end.

Research, Innovations and Extension

Research Innvoations :

- Teachers are provided all research support .
- A research committee is constituted to lay down the mechanism for research promotion in the institution.
- Efforts are being taken to explore newer sources for research resource generation.
- 100 Mbps bandwidth Internet facility and Wi-Fi connectivity is available.
- Library and laboratory facility with access to e-journals is available for further research activities.
- Faculty members are encouraged to publish books and papers.Faculty members have received awards.
- Faculty members are awared by organising different promotional IPR workshops and encouraged to file patents
- Consultancy policy is defined and the share of monitory benifits from the generated revenue is fixed as

80:20 (80% to consultant and 20% to institution) and the consultant is permitted to avail institutional infrastructure

- Industry-academia linkages exist with organizations.
- Skill imparting and knowledge sharing MOU's with industries are in function.

Extension Activities :

- NSS is active in the institute.
- Blood donation camps, visit to old age homes and orphanages are encouraged.
- Active participation in Swachhata abhiyaan.
- Industry-academia linkages exist with organizations.
- Skill imparting and knowledge sharing MOU's with industries are in function.
- Active collaboration with social organizations for student's environmental sensitization

Infrastructure and Learning Resources

Infrastructure :

- The college has a campus area as per AICTE norms.
- Class rooms, labs and all necessary infrastructure exists to address the existing students requirements.
- Sports ground, swimming pools, gymnasium facilities for indoor and outdoor games is made available for students .
- Canteen, safe drinking water facility (RO plant) and 30 KVA DG set are available.
- Annual budget is allocated for maintenance.
- Corrective maintenance system is in practice.
- A structured system for maintenance of academic infrastructure and equipment's augments the longevity of facilities.

Learning Resources :

- Library is automated .The library has access to OPAC, NPTEL and DELNET.
- Updated reference section is made available for advanced learning.
- Campus is Wi-Fi with 100 Mbps internet connection and internally connected with LAN.
- Advanced server "Param Shavak" facilitates the computer centre of the institute along with required legal softwares.
- Classrooms are equipped with LCD projectors.

Student Support and Progression

Student Support And Progression :

- Institution facilitates governmental scholarships and freships for SC/ST, OBC and economically challenged students.
- Grievance redressal, anti ragging and anti-sexual harassment committees are formed.
- Exclusive student card system has been introduced to mentor and support students.
- Industries are regularly invited for internship and placements.

- Students are encouraged for admission from UG to PG by offering concession in fees.
- Students participate in different cultural and sports activities with awards and rewards.
- Students are involved in different institutional social outreach activities.
- Students actively participate in academic events through paper presentation, volunteering and in organization.

Governance, Leadership and Management

The governance and leadership is in accordance with vision and mission of the institution :

- Vision and mission of the institution are well depicted .
- The role of management in consultation with the Teachers' Council nominates different committees for planning and implementation of different academic, student administration and related policies.
- All academic and operational policies are based on the unanimous decision of the governing body, the IQAC and the teachers' council.
- The objectives , goals and Long term goals of the institution are well defined.
- The well defined decentralization of responsibilities , work and participation in working helps to execute the academic and related activities of the institution, to organize the students, faculty development programs, and to visualize, formulate perspective plans for the development and growth of the institution.

Institutional Values and Best Practices

Institutional Values :

GENDER EQUITY:

Institution always promote gender equity by allocating , programs, and decision making fairly to both males and females without any discrimination on the basis of sex and addressing any imbalances in the benefits available to males and females.

Institution ensures that every one has access to a full range of opportunities to achieve the social, psychological, and physical benefits that come from participating and leading in education, academics, sport, art and other concern activities

As per guidelines given in Vishakha Judgment and according to the State Govt. directions, the institute has duly constituted **Women's Grievance Committee** to consider complaints related to any sexual discrimination/harassment of women faculty or student in the institute and is active.

Best Practices :

The Institution has facilities and initiatives for alternate energy sources ,Management of the various types of degradable and nondegradable waste, Water conservation , Green campus initiatives,disabled-friendly, barrier free environment

Quality audits on environment and energy :

Quality audits on green campus, environment and energy is regulary carried out.

Cultural & Sociatal Initiatives :

The institute eventually organized different activities to promote Indian culture and its awareness through the formation of various clubs like 'DAKSHA', 'DAZZLER," and 'DRAMA' and performed their activities

Through NSS Camp, various societal programs conducted like 'Swaach Village Abhiyan'. The Institute not only provides tolerance and harmony for culture but also for linguistic diversity, community, and society. This institute has a tradition of creating capable youth to handle self and societal issues.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	HANUMAN VYAYAM PRASARAK MANDAL'S COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	Hanuman Vyayam Nagar Near Ambadevi temple HVPM Campus, Amravati
City	Amravati
State	Maharashtra
Pin	444605
Website	www.hvpmcoet.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal(in-charge)	Anjali Babarao Raut	0721-2566566	8806172200	-	principal@hvpmcoet.in
IQAC / CIQA coordinator	Vijay Liladhar Agrawal	0721-2563422	9823434080	-	ag_vijay@rediffmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

State	University name	Document
Maharashtra	Sant Gadge Baba Amravati University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	05-04-2017	View Document
12B of UGC	05-04-2017	View Document

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	02-06-2022	12	

Recognitions

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

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Hanuman Vyayam Nagar Near Ambadevi temple HVPM Campus, Amravati	Urban	11.64	12377

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Computer Science And Engineering	48	HSC	English	60	60
UG	BE,Electronics And Telecommunication Engineering	48	HSC	English	30	30
UG	BE,Information Technology	48	HSC	English	60	60
UG	BE,Mechanical Engineering	48	HSC	English	30	22
UG	BVoc,Vocational Programmes	36	HSC	English	30	0
UG	BVoc,Vocational Programmes	36	HSC	English	30	30
PG	ME,Computer Science And Engineering	24	Engineering Graduate	English	18	9
PG	ME,Electronics And Telecommunication Engineering	24	Engineering Graduate	English	18	7
PG	MBA,Business Administration	24	Any Graduate	English	60	60

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	8				7				44			
Recruited	2	1	0	3	2	1	0	3	20	8	0	28
Yet to Recruit	5				4				16			
Sanctioned by the Management/Society or Other Authorized Bodies	1				3				16			
Recruited	1	0	0	1	2	1	0	3	12	4	0	16
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				34
Recruited	26	1	0	27
Yet to Recruit				7
Sanctioned by the Management/Society or Other Authorized Bodies				10
Recruited	3	7	0	10
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				43
Recruited	22	1	0	23
Yet to Recruit				20
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	2	1	0	2	0	0	1	1	0	7
M.Phil.	0	0	0	0	1	0	0	0	0	1
PG	0	0	0	0	0	0	19	7	0	26
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	2	1	0	1	0	0	5
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	11	4	0	15
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	5	2	0	7	

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	127	2	0	0	129
	Female	92	0	0	0	92
	Others	0	0	0	0	0
PG	Male	30	0	0	0	30
	Female	52	0	0	0	52
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	30	9	10	13
	Female	33	10	16	14
	Others	0	0	0	0
ST	Male	7	3	1	1
	Female	5	1	3	1
	Others	0	0	0	0
OBC	Male	52	25	50	66
	Female	55	42	52	48
	Others	0	0	0	0
General	Male	29	15	17	18
	Female	25	16	23	23
	Others	0	0	0	0
Others	Male	17	5	10	10
	Female	10	5	9	8
	Others	0	0	0	0
Total		263	131	191	202

Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>According to the vision of National Education Policy, to provide high quality education to develop human resources in our nation as global citizens, our institute in collaboration with Sant Gadge Baba Amravati University, Amravati has taken an initiative to organize one day awareness workshop on NEP 2020 and Choice Based Credit System (CBCS) for the stake holders. The Institute is affiliated to Sant Gadge Baba Amravati University, Amravati where in Academic programmes are restructured to include Multidisciplinary /Interdisciplinary courses as electives and institute started offering these electives to students. Our faculty also contributed in restructuring of syllabus. All the courses offered by institute are Choice Based Credit System (CBCS). Few of them also include value based and environment-based subjects like professional Ethics, Environmental studies, principles of Management, Indian Constitution etc. All programmes are designed in such a way that students get maximum flexibility to choose elective courses offered by other Departments. Since, the institute is registered as SWAYAM/NPTEL Local Chapter students and faculty are encouraged to enroll for MOOC courses through SWAYAM. Students are encouraged to enroll for the courses of their interest from different disciplines through SWAYAM/MOOC Platform. The institute motivates not only students but also faculty members to undertake multidisciplinary courses like sports engineering through FDPs conducted in our premises. Mandatory Yoga day (21st June) is organized for all students to assimilate the values needed to live a peaceful life.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>Being affiliated to Sant Gadge Baba Amravati University, Amravati, Our institution has to follow the credit based courses, syllabus and other rules & regulations of the affiliating University. SGBAU being state university is an official member of the National Academic Depository which is a government endeavour to offer an online repository for all academic awards under the Digital India Programme. SGBAU is in the process of uploading students' mark sheets and degree certificates through the digital locker platform through its affiliated colleges. SGBAU follows a choice-based credit system (CBCS) for all its programmes. The Institution has created ABC Id's for First year</p>

	<p>students and for monitoring ABC, proper technical support system has been developed. As, the institute is registered as SWAYAM/NPTEL Local Chapter, The students are encouraged for enrolling online courses from where the students may earn credits from renowned HEIs.</p>
<p>3. Skill development:</p>	<p>The institute offers Engineering programs in which more than 60% courses are skill based and special training sessions are arranged to enhance the skills. The institute offers in house soft skill training in order to strengthen the soft skills, communication skills and interpersonal skills of the students. The institute has an established training & placement cell which actively participates to strengthen the technical skills and make awareness about current trends required in industry, along with Campus Recruitment Training (CRT). The institute has collaboration with industries which provides students the domain specific training viz software testing, design and development of e-cart, jobs on 3D printer, participation in Hackathon to acquire skills on cyber security, IOT etc. Also institute has introduced B.Voc courses in cyber security, software development, BFSI etc. These vocational courses are multi entry multi exit courses. Students are encouraged to work on live projects through internships. Institution has MOU with NASSCOM to design syllabi and impart skills of industry needs. IT-ITes Junior Software developer Skill development certification program was conducted for the faculty and 15 faculty were successfully certified as trainer junior software developer. Also non-teaching staff were trained for skill courses such as plumber, electrician, Turner, welder etc.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>In order to promote /integrate the local language, art and culture, it is the regular practice at institute to celebrate Marathi Bhasha Diwas on 27th February every year. All NSS activities conducted in adopted villages are executed in local Marathi language. In University level Youth Festival organized by SGBAU, our students are actively participating in various cultural events and have received prizes and colour coats in many events at university level. Our annual college magazine “Techno Wings” is published where students articles are published in five languages namely English, Marathi, Hindi, Urdu, and Sanskrit. Our college magazine has got</p>

	<p>recognition at university level resulting in receiving best magazine award consistently for last seven years. As the part of Unnat Bharat Abhiyan(UBA), two projects namely “Twin Toilet” and “UV Sanitizer” are recognized which were implemented successfully at our adopted village. The training and awareness program were conducted in local language. As a part of curriculum as per Sant Gadge Baba Amravati University gazette 2021 Part one -205, direction No. 42/2021 Date 09/08/2021 mandatory provision of conducting Orientation Program of 15 hours duration /MOOC to the students a) in V Semester on Indian Constitution and (b) in VI Semester on Indian Traditional Knowledge is introduced by University and Institute has started implementing it from 2021 onwards. Our faculty member has contributed in the AICTE granted IKS center to the mother institute based on Indian traditional sports and games.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>All the programmes are offered as outcomes-based education (OBE) which are designed keeping in mind the regional and global requirements. Course outcomes are well defined in the curriculum itself by SGBAU. The Institute has implemented outcome-based education with clearly stated Programme Outcomes, Programme Specific Outcomes and course outcomes. All courses are designed with outcomes based on Bloom’s taxonomy levels namely Remembering, Understanding, Applying, Analyzing, Evaluating and Creating. The Course Objectives (COs) are also aligned to the PO-PSO philosophy. The institute has well established mechanism to evaluate the attainment of COs, POs. Students and faculty are encouraged to participate in “AVISHKAR” the university level project competition. Ph.D. students and faculty members are encouraged to undertake high quality outcome-based research so as to produce Intellectual Property (Patents and Copyrights). Students are encouraged to participate in various Tech-Fests, Science Fairs, Innovation, Competition, etc. for exploring the practical side of their learning and promoting innovation among students.</p>
<p>6. Distance education/online education:</p>	<p>The HVPM COET is affiliated to Sant Gadge Baba Amravati University, Amravati. As per the guidelines of University, all lectures and practical are conducted in offline mode. During (COVID-19) pandemic, the system has adopted the change from classroom</p>

teaching to blended learning. Zoom, Google drive, Google classrooms were effectively used for course conduction and evaluation process. Each course contents were available on Goggle classroom including syllabus, PPTs and notes. The assessments of the courses are done through online assignments, quizzes. The MCQ tests are conducted using Moodle platform. Online sessions were conducted and recorded on Google meet and Zoom platform. Various student activities were conducted online using Google meet and zoom platform.

Institutional Initiatives for Electoral Literacy

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>Yes. Electoral Literacy Club(ELC) has been set up in college and following committee members are functional to execute the objectives.</p>
<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>Yes . Students' co-ordinator and co-ordinating faculty members are appointed by the College and the ELCs are functional. Election Literacy Board : 1. Nodal Officer and Guide: Prof. Ashish B. Kharate 2. Members: Elected Students Viz. G.S of the HVPM-COET</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>H.V.P.M's College of Engineering & Technology, Amravati has organized National Voters Day celebrations in association with HVPMCOET-NSS Unit on 25-01-2022. National Voters' Day is celebrated to encourage, facilitate and maximize enrolment, especially for the new or first-time voters. The main objective of the day is to educate and encourage young voters to vote during elections. As a part of National Voters' Day Celebrations, students were encouraged to participate in various events like Elocution and Essay Writing Competitions. To promote and motivate young voters, the day was inaugurated with pledge by the Principal & Convener, NSS Programme Officer, Coordinators, Faculty members and NSS volunteers.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in</p>	<p>National Voters Awareness Program 2021-22 (Theme: Making Our Voters Empowered, Vigilant, Safe and Informed) 1.Pledge by Principal, Faculty members & NSS Volunteers 2.Awareness to Young Voters by Nodal Officer and Guide, (Election</p>

electoral processes, etc.	Literacy Board) 3. Postal Making Competition Theme “Making Our Voters Empowered, Vigilant, Safe and Informed”.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	After the voter awareness program, students of the college have registered their names in the voter list

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
983	959	634	835	941

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 108

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
54	62	63	80	88

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
126.822	122.66	135.90	180.58	153.66

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

The Institute is being affiliated to Sant Gadge Baba University, Amravati, college strictly follows the curriculum designed and developed by university. For effective coverage of syllabus, co-curricular and extracurricular activities, college prepares its academic schedule, course wise time table, internal assessment schedule in consultation with HOD's ,aligning with the overall academic calendar of the University.

Principal appoints dean academic or incharge for preparation of Academic Dairy and Calendar.

Each teacher is provided with diary having portfolios for respective teacher. various committees are formed such as 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 activities. Distribution of subjects by HODs according to workload: HoD of respective Department handle this activity and allott the subjects as per the expertisation of faculty and workload as per AICTE and University norms. Respective time table in charge displays timetable 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.

Know Your Subject Scheme: This is unique activity run by college. Due to this, teacher study the subjects, prepare and conducts prerequisite course that help to teach 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 be checked by HOD.
- Preparation of Laboratories manuals ,availability of instruments and consumable for the smooth conduct of practicals.
- 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

Institute prepares its own semester wise Academic Calendar well in advance before commencement of semester considering on the basis of Academic Calendar of the University. The Academic calendar include all specific details including internal assessment dates , Govt./University holidays , tentative dates for vacations, cultural gathering, paper contest, last working date of semester etc. The approved calendar is published and circulated to all the staff and students and also uploaded on college website for information and compliance. Based on the approved calendar class time table is prepared and displayed.

For continuous internal evaluation (CIE) process the institute adheres to the academic calendar .Each department prepares and displays the time table of the internal examination in advance.

The internal evaluation related activities like monthly attendance and internal test marks are displayed on the notice board. Institution thus ensures the activities mentioned in the academic calendar are rigidly followed.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 04

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 0.09

1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1	0	2	0	1

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

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

Response:

The institute being affiliated to Sant Gadge Baba University, Amravati follows the curriculum prescribed by the University and has little scope to add or modify contents into it. However, to integrate the cross-cutting issues such as Gender, Environment and sustainability, Human values and professional Ethics into the curriculum, the institute does the following:

Integrating Cross Cutting Issues Relevant to Gender:

- Awareness workshops, seminars, invited lectures such as Expert lectures conducted to aware the girls students.
- Lila Poonawala Scholarship scheme is provided to girls.
- Girls and Boys participate in various co-curricular activities such as paper presentation, group discussion, quiz and debate competition, project model competition, cultural events etc. Both Girls and Boys are made members of various academic, curricular and extracurricular activities.
- Internal Complaint Committee (ICC) is established in the Institute to look into the grievances of girl students. This cell evaluates, assists and supports our institute to implement a policy of zero tolerance in campus for gender-based violence and harassment with the view of getting rid of the culture of impunity.
- The institute has counselling cell for health, hygiene and behaviour for the girls students.
- The institution has provided helpline numbers, complaint boxes and installed CCTV cameras in indifferent areas in view of safety and security of girls.

Integrating Cross Cutting Issues Relevant to Recent Trends in technology, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum:

The institute organises various workshops, guest lectures, seminars, competitions to impart awareness on recent trends. Subjects on Environmental Studies, Non-Conventional energy System, Values & Ethics are included in the curriculum to make students aware of environmental issues. Faculty from each dept. completed the UHV training. The institute integrates cross-cutting issues not only through the curriculum but also through NSS activities, UBA activities and other relevant programmes in a continuous manner.

List of Subject:

1. Non-Conventional Energy Sources (6ME04)
2. Values & Ethics (4ETC05)
3. Renewable Energy Technology(6ME05)
4. Environmental Studies(4FS06)

File Description	Document
Upload Additional information	View Document

1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 26.96

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 265

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 68.16

2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
276	269	122	191	193

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
306	306	306	312	312

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Response: 90.27

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

2021-22	2020-21	2019-20	2018-19	2017-18
137	153	094	143	141

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

2021-22	2020-21	2019-20	2018-19	2017-18
137	153	153	156	141

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2 Student Teacher Ratio

2.2.1 Student – Full time Teacher Ratio (Data for the latest completed academic year)

Response: 18.2

2.3 Teaching- Learning Process

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

Response:

HVPM'S College of Engineering & Technology is constantly working to bring learning culture and takes a lot of efforts to use of student-centric methodologies for all round development and to augment the learning experience. These methodologies are utilised for better understanding and involvement of students.

Experiential learning

- Faculty member provides platform for hands-on experience through group activities, group discussions and linking the syllabus content to everyday examples.
- Students also take active participation in organising various activities and events, which assist to develop their life skills.
- Students learn and explore their knowledge through course based practical.
- College also makes arrangements for industrial visits and provides opportunities for internships where they can get better hands-on practical experience and industrial exposure.
- Industry Experts and other professionals share their practical experience with students which help students to prepare themselves compatible for the jobs in the industry.
- The Institutions organises workshops and seminars for augmented teaching learning process.
- The institution allots dissertation titles to students based on their summer internship in line with their specialisation.

Participative learning

- NSS and Induction programme helps students to work as a team and help to learn the significance of social, environmental and health aspect
- Students are motivated to participate in internship and various activities like Group projects, Workshops.
- Students had completed various MOOC courses,
- Students actively participate as writers, editors, designers for magazines published by the institution.

Problem-solving

- Students find solutions to real-life problems and learn many inputs through the platform like Unnat Bharat Abhiyan.
- Case study methodology has been used which is based on different business problems to check students level of understanding on the respective subject.
- Students participate in MOE'S AICTE IKS Internship program to study ancient knowledge and its utilisation in present time.

Enhancing learning experiences using ICT tools

- All types of teaching aids, including MOOCS, NPTEL and modern teaching are available in the institutions which are regularly used by the faculty members.
- The Institute is having high speed broadband internet to enrich the teaching learning process. Each class room is having projector.
- Faculty and students can access digital library resources, including journals with the help of Library.
- The institute provides platform to the online databases to facilitate faculties and students to access these e-resources. .
- Institute is a member of NDLI Club for accessing e-resources.
- Faculty members are using the online platform like Google meet, Google classroom, Webex and Zoom in effective manner and during pandemic COVID- 19 faculty members have used these online platform in effective manner.

* **Experiential learning:** Includes group activities and discussions, subject based practical's, Industrial visits and internships, talks from industry expert

* **Participative learning :** Includes NSS and Induction programmes, group projects, workshops, MOOC Courses, Participation as editors, writers for college magazine

* **Problem-solving :** Includes finding solutions to real life problems through activities like UNNAT BHARAT ABHIYAN, Case study methodology, MOE'S AICTE IKS Internship

* **Enhancing learning experiences using ICT tools :** Includes use of MOOCS, NPTEL, High speed internet, Digital Library e-resources, Google meet, Webex, Zoom

File Description	Document
Upload Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

Response: 86.75

2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
59	71	69	98	103

File Description

Document

Upload supporting document

[View Document](#)

2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 18.73

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
15	13	12	13	12

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

In the Outcome Based Education assessment is done through one or more than one processes, carried out

by the institution, that identify, collect, and prepare data to evaluate the performance of the students. Internal assessment process display the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations, seminars, and class room and laboratory assignments etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning. In our Institute The Assessment process consist of prerequisite Test, unit Tests, common Test, Assignments, class test , internal submission of term work, viva , project demonstration and seminar. From the start of session two Unit Tests are conducted within session and at the end of session common test is conducted. The Teachers are provided with Teachers academic dairy prior to start of academic session which consist time bound schedule of said activities in session. The students who underperform in this internal test are given special attention and redressal classes are conducted for such students also improvement test are conducted for betterment of their academic performance. Following Table summarizes the mechanism of Internal and external assessment of students.

Internal Assessment:

Assessment tools	Frequency	Assessment process	Res
Prerequisite test	1 per semester	The students are given prerequisite test at the start of session	Dep
Assignment	2-3 Per Subject	According to session plan mention in Teachers Academic dairy	Indi Teac
Internal Assessment test	3 per semester	Internal assessment test are conducted thrice per sem. Two UNIT Test and One common test	Institi
Improvement Test	If needed	After internal assessment if required such tests are conducted	Indi teach
Internal Submission	1 per semester	Internal practical exam and viva are conducted by practical Teacher prior to university practical exam.	Dep
Technical	Seminar	One per semester (Seventh) Seminar is conducted at Department level.	Dep
Project Work	Pre final	Internal Project Evaluation is conducted at Department level.	Dep

External Assessment:

Assessment tools	Frequency	Assessment process	Res
Lab	Examination 1 per semester	Final Examination is conducted and evaluated by the internal and external examiner both by university. Regular assessment of practical is conducted during session after performance of practical by students by concerned faculty.	Uni
End Semester	Examination 1 per semester	Examination is conducted and evaluated of Marks is done at University Level.	atUni
Project Work	Semester	Final Project Evaluation is conducted and evaluated by	Uni

Mechanism of internal assessment & grievances redressal: The assessed internal marks are displayed on the departmental notice board. If any student has grievance about his/ her evaluated result , they contact their respective subject teacher to get the problem solved.

Mechanism of external assessment & grievances redressal: The university has well established system of addressing the grievances related to theory subjects. The students have to apply within 10 days from the date of declaration of result. The reassessed results are informed to the students . Maximum two theory subjects can be applied for reassessment in every semester

File Description	Document
Upload Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response:

PROGRAM OUTCOMES (POS):

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the

engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

File Description	Document
Upload Additional information	View Document

2.6.2 Pass percentage of Students during last five years

Response: 83.5

2.6.2.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
226	286	185	217	290

2.6.2.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
305	297	188	299	353

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.56

File Description	Document
Upload database of all students on roll	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 23.54

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
0	8.39	11.86	2.0	1.29

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

This College has established ecosystem for innovations and has initiatives for creation and transfer of knowledge apart from regular teaching learning process. The following are some of activities carried out in College . The faculty are encouraged for 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.

Promoting research with students' centric system does not only produce graduates with flying colours but future ready budding professionals. Growth of Institution, improvement in the faculty qualification, number of merit students, Accreditation by NBA has resulted the institute establishing a strong foot hold in engineering education.

A team of teachers from various technical domain areas and interest are identified to lead the group. The faculty is expected to advise, guide and facilitate project development with students. The faculty is given special training either in house or by deputing at industries, institute of higher learning or training centre. The students are identified on the basis of detailed analysis of their academic background, area of interest, flexibility to learn, attitude to accept challenges. They are groomed by giving beyond syllabus core technical area knowledge and skill through a structured program of about 120 hrs during third year of

study. The industry inputs are also sought during training of the students. The statement of problems are identified from various sources like industry, analysis of social needs, thrust areas like clean energy, digital India, safety and security of women and as given by various State and Central Ministries on their website. A team of faculty and students design and develop the solution which is implemented as prototype. The projects are evaluated by industry, during various project competitions at inter collegiate, inter university, state and national level. The practice becomes the novel teaching learning process also as the concept of self learning, flipped learning, cogeneration of knowledge, participative and collaborative learning experience result in novel ideation and optimal solution for real life problems.

The students are encouraged to participate in AVISHKAR a university level competition and Hackathon - a National Level platform to showcase their talent.

Institute is recognized nodal center for NPTEL . Institute is also recognised as remote centre for IIT Bombay and ISRO.

Institute is also recognised as a research center by SGBAU , Amravati for two courses Viz. Computer Science and Engineering and Electronics & Telecommunication engg.

Institution has also High Performance Computing Facility , IOT lab , design and development of E-Cart and 3D printing facility which has been developed under CSR funds for innovative work.

Faculties are encouraged to submit their research proposals for grants towards govt. and non-govt. organisations as a result of this activity many proposals have been approved in first level of RGSTC scheme of SGBAU, Amravati.

File Description	Document
Upload Additional information	View Document

3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 11

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
02	0	01	05	03

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.78

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
37	12	19	05	11

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.06

3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
01	05	0	0	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

This College always promotes the extensive activities apart from regular teaching learning process. The following are some of extension activities carried out in College and neighborhood communities for the sensitization of social issues for there holistic development. Extensive activities conducted in College and other neighborhood communities are:

1. **Title of Product / Technology :** Environment controlled, automated green house for high valued Aggro produce in vidharbha region

Subject expert group :- Sustainable Agriculture system

Why is this required :- Environment in vidharbha region is not predictable for farming . Certainly of rainfall and appropriate environment condition are necessary for optimum plant growth and improved crop yields. In the conventional cultivation system , the farmer has to keep a watch on proper light intensity which is different for different crops. Dearth of water and uncertainty in rainfall in vidharbha region are prime reason for low/no crop.

If technology could assist in creating appropriate Environmental condition required for the crops , farmer wil improve the crop yield and become economical strong. Hence our aim is to implement project titled as **“Environment controlled automated green house for high valued agro produce in vidharbha region”** and produce good quality , high valued crop yield

2. Provide Training & Internship Program of Electrician , Plumber and Two wheeler Mechanic to neighborhood community (at Pimpalgaon Village)

3. The institute has formed a SRUJAN group through which various social activities viz. distribution of grocery and clothes to the needy people during pandemic, celebration and distribution of sweets to orphans during festivals and various other activities are organized throughout the year so that students will become strong enough and aware of their social responsibilities.

4. Organization of blood donation camp and making list of blood group donors available for community.

File Description	Document
Upload Additional information	View Document

3.4.2 Awards and recognitions received for extension activities from government / government

recognised bodies

Response:

This College always promotes the extensive activities apart from regular teaching learning process. The following are some of extension activities carried out in College and neighborhood communities for the sensitization of social issues for their holistic development. Extensive activities conducted in College and other neighborhood

communities are:

1. Title of Product / Technology : Environment controlled, automated green house for high valued Aggro produce in vidharbha region

Subject expert group :- Sustainable Agriculture system

Why is this required :- Environment in vidharbha region is not predictable for farming . Certainly of rainfall and appropriate environment condition are necessary for optimum plant growth and improved crop yields. In the conventional cultivation system , the farmer has to keep a watch on proper light intensity which is different for different crops. Dearth of water and uncertainty in rainfall in vidharbha region are prime reason for low/no crop.

If technology could assist in creating appropriate Environmental condition required for the crops , farmer will improve the crop yield and become economical strong. Hence our aim is to implement project titled as **“Environment controlled automated green house for high valued agro produce in vidharbha region”** and produce good quality , high valued crop yield

2. Title of Product / Technology : Double layered environment controlled automated green house with light dependent flipped roof system

Subject expert group :- Sustainable Agriculture system

Why is this required :- The main disadvantage we have faced is that many times roof of the green house has to be kept open or closed as per requirement of light and this has to be done manually. So now again we have developed double layered environment of light.

File Description	Document
Upload Additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response: 33

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

2021-22	2020-21	2019-20	2018-19	2017-18
06	05	06	07	09

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.5 Collaboration

3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 15

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

The Hanuman Vyayam Prasarak Mandal's (H.V.P.M.) College of Engineering and Technology was established in the year 2002-2003 under Hanuman Vyayam Prasarak Mandal and is permanently affiliated to Sant Gadge Baba Amravati University, Amravati. AICTE, DTE and Maharashtra Government approve the college. The College stands in 11.64 acres in the H.V.P.Mandal's campus, Amravati. All the buildings are well connected with tar roads & illuminated with sufficient light. The College is an Institution having a dedicated outlook towards Quality in Technical Education.

The College of Engineering and Technology is an Institution having a dedicated outlook towards quality in Technical Education, the academic schedule is so framed beyond College engagements. The college always conducts additional activities like NSS, unnat Bharat abiyam, Inter-collegiate Sports Competition and Cultural Competition for cultivate hobbies and interests in the students and develop their life skills. The development of the college infrastructure is in accordance with academic requirement of the University and as per the norms of the apex bodies such as AICTE. The institute adequate required infrastructure and physical facilities for teaching - learning process in each departmental buildings, including well-equipped 14 classrooms, 37 laboratories, 02 seminar halls, authority meeting halls with administrative buildings.

Out of 16 rooms, 81.25% rooms (11 classrooms and 02-seminar hall) are equipped with LCD projectors. Blackboard are available in the classrooms, However White boards have been implemented replacing traditional chalk and board to attain dust free classrooms. The institute has developed 35 laboratories with sufficient equipments & machinery, established one reaserch lab, one languge lab for the teachers, researchers and students as per the AICTE norms. We give demonstration and tranning on Virtual laboratories, e-teaching - learning tools through central library.

Library and Information center and Computer center provides free Internet and wi-fi facility, e- books, e-journals facility. The library has accepted membership of library networks like NDLI, N-List, DELNET for the purpose of helping professors and students in teaching-learning. Library has also taken membership of SGBAU consortium (IEEE,ACM- digital library etc).

Sufficient numbers of computing facilities are available in college to maintain a student to computer ratio 3:1. The desktop/ laptop, printer, Legal Application S/W, Legal system softwere, and High-speed internet lease lines facility with 200 mbps are provided to all the students and faculty members.

Every effort is made to use the infrastructure optimally. To maintain the physical infrastructure & augmentation in infrastructure, the building and works committee is empowered by Maharashtra Public University Act 2016, which developed the self-sustainable system to maintain the infrastructure such as, A.C., Water coolers and Computer peripherals electricity, waste management, etc.

In addition to teaching-learning infrastructure and physical facilities, colleges use their mother

organization's athletic tracks, health centers, open gymnasiums, indoor and outdoor stadiums for students, playgrounds for the purpose of cultural, physical and mental development of students. Other notable facilities in the HVPM campus allow students to use the auditorium, state-of-the-art athletic stadium and swimming pool

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 11.75

4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
7.41	2.78	4.86	16.67	52.826

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

- Name of ILMS software:- **SOUL 2.0**
- Nature of automation (fully or partially):- **Partially automation**
- Version:- **2.0**
- Year of Automation:- **2005 with and updated on 2009**

The college Library i.e. Library and Information Center has partially automated its housekeeping operations such as circulation, cataloging, acquisition using SOUL 1.0 from 2005 and update SOUL 1.0 into SOUL 2.0 in 2009. It is state-of-the-art integrated library management software designed and developed by the INFLIBNET.

The bibliographic information about the collection is made available through library OPAC to the user's community. For WEBOPAC system, our library contributed bibliographic records with DELNET online services under the "DELNET Best Practices- Data Sharing and Accessibility. Library bibliographic records merged with with the location code mhHVPM CET and it accessible 24/7 through DELNET online services on

<http://164.100.247.26/Search/Results?lookfor=mhHVPM CET&type=AllFields&submit=Find>

User can get online bibliographic information about the Books without physically visiting to the library through the WEBOPAC.

Barcode technology is most successful due to speed, accuracy and reliability. Barcoding is one of the significant steps in library automation. In our Library, it is used in the circulation system for and to label books, magazines, CD & DVDs. Every book and other items are assigned unique 12- digit barcodes. It includes all information about the product.

Library has digitized institutional repository (IR) through D-space open source repository software. The IR of the Library provides digital access to annual reports, University Examination paper solution, teachers' notes and other important documents.

Library and Information Center has member of SGBAU Consortia, therefore e-resources comprehensive of e-books and scholarly databases representing scholarly journals in a multitude of subject categories. Therefore, the Library's users have access to many e-book and e-journals. It has a also subscription to many scholarly databases, i.e. IEEE Explore, ACM Digital Library, Emerald ABI/INFORM Complete and LISA,. These databases have provided access to more than 15000+ journals and additional facilities to submit their own manuscripts and reference management. Further, Library subscribes to e-journal packages of SAGE, Indian Journals and Oxford University Press. Access to the Web of Science (WoS) has enabled everyone to track their own research and have an overview of the research across the world.

This College membership has gained access to many scholarly e-resources of a reputed publisher such as American Physical Society, American Chemical Society and EShodh- Sindhu Consortium.

All the e-resources mentioned above have been made available on a KRC portal having a URL like www.sgbaukrc.ac.in and Link available on library webpage of College Website.

The college library is also member of N-LIST and access to many scholarly e-resources of reputed publisher such e-journals :-American Institute of Physics, Royal Society of Chemistry, Institute of Physics, and e-books Springer eBooks, Sage Publication eBooks, Taylor Francis eBooks, My library-McGraw Hill.

further, access to open-source like National Digital Library brought about 10 million digital items, including e-books and scholarly articles in multiple subject domains like technology, science, humanities and agriculture. For extensive use of e- resource Library provides remote login facilities to remote users.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Response:

IT facility:

Institution has adequate and latest IT infrastructure. The IT infrastructure and resources are updated and upgraded continuously as per the requirements and changing technology.

The Institution provides :

The server room of Main Computer Center has multiple servers namely: Processor Xeon E5620 Windows, Linux, NPTEL and SOUL. The Internet Gateway comprises of a Web Server, and other networking components required for an efficient LAN.

The server : Param Shavak ,Super Computing Hardware with one NVIDIA K40 Accelerator Card, ChapterHeading84714900=1

Updates in IT facilities are mentioned year wise as follows :

A.Y. 2021-22:

Purchase/Renwal of MSDN (Cloud Campus) Software :

In this year the Institution updates the software as

1) 0365 proplu open faculty shrdsvr ALNG SubSVLOLVE 1 mth Academic AP-502) Intune open Shrdsvr ALNGsubsul OLVE 1Month Acdmc APFdity/Renewal only-503) WINE DVE 3ALNG upgrids APICOLVE 1 yrAcadmEnt-504) Microsoft @ 0365pro plus open for students shrdsvr Alilng Monthly subscriptions Volume License Academic OLV-500.

Newly added:

- 1) Laptop 14 DV1001 TU 5cd144jvwj50n47pq#acj
- 2) Keyboard +Mouse ComboRapoo126108000M03323126108000M03324

In 2020-21:

In this year the Institution updates the software as

1) 0365 proplus, Open Faculty Shrdsvr ALNGSubSVL OLVE Mtn Academic AP-502) Intune Open Shrdsvr A LNGSubsul OLVE 1 mth Academic A P FelyRenodam-503) WIREDVE3ALNG upgrad SALK OIVE 1 yr Academic ENT-504) Microsoft 0365Proplus open for Students Shrdsvr monthly Subscription Value License Academic OLV-5005) Win svstd core2019 SNCL OLP 16LIC NC Academic Core Lic-1.

In 2018-19 and 2019-20:

In this year the Institution updates the software as

1) MS 0365 proplus open Faculty shrdsvr All Lng OLVE-50 2) MS Windows Edu All LngUpg/SA OLVE-50 3) MS windows Edu All Lng UPG/SA OLVE-50 4) MS Windows Server Std. core 2 LIC/SA Pack OLVE-8 5) MS O365 Proplus Open Students Shrd SVR All Lng OLVE IMC-200.

In 2017-18:

In this year the Institution updates the software as

1) MS 0365 proplusopen Fclltyshrdsvr All Lng OLVE-502) MS Windows EduAll LngUpg/SAOLVE-503) MS Intune Open Shrdsvr All LngOLVE-504) MS windows Server std. All Lng LIC/SAOLVE2 ProC=1.

Internet Facility:

. The entire Institute is Wi-Fi enabled with necessary firewalls and computer labs are connected through LAN with internet facilities.

College has two High speed internet facilities of 10mbps, 20mbps at 2017-18 and 2018-19. 20mbps, 50 mbps at 2019-20. 50 mbps, 100mbps at 2020-21& at 2021-22 one 200 mbps broad band connection on Optical fiber cable (OFC). All computer & internet facility are without any charge to faculty & students. The principal & Director are vendor solution would be very costly effort and difficult to manage while technical issues.

Education institutes require cost-efficient comprehensive solution that offers all the advance facilities and features in single platform with single point of contact for technical support. The connectivity through a fully networked campus with state-of-the-art IT infrastructure, computing & communication resources, offers students the facilities of e-mail, net surfing, up/down loading given the facilities off the campus. Faculty and Students can avail the Wi-Fi facilities 24X7, 365days.

File Description	Document
Upload Additional information	View Document

4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 2.47

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 398

File Description	Document
Upload supporting document	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

Response: 4

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

2021-22	2020-21	2019-20	2018-19	2017-18
4.06	2.67	3.56	3.40	15.07

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 82.93

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

2021-22	2020-21	2019-20	2018-19	2017-18
817	793	537	692	770

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 7.7

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

2021-22	2020-21	2019-20	2018-19	2017-18
79	72	158	26	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 35.34

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
143	69	64	64	47

5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
214	198	155	231	297

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 0

5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	1	0	0

5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 21

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at

national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
4	2	6	4	5

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 341.6

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
634	2	21	456	595

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Institute has registered Alumni Association. This association has been started from 14/12/2009 and the registration number of association is MAH/823/09/AMT. The Alumni Association is a non-profit making registered Society

This association consists of president, Vice President, Secretary, Joint secretary, Treasurer, faculty as well as students as member The Association is dedicated to bringing together the alumni committee on a

common platform to build another channel of personal and professional support to members through “Self Help” within the community. The purpose of association is to provide a vibrant, global network and forum that connects and engages the alumni with their Alma Mater.

The objectives of the Association are to plan and organize successful involvement of alumni in student development through participation in ongoing academic activities including teaching, workshops, conferences, and placements. Independently, various Departments of the College have taken initiatives to organize Departmental Meets to build a strong alumni network. Alumni Feedback is taken to improve training and placement activities, to generate awareness related to recent industrial trends and needs.

Alumni association take responses from alumni time to time through emails or telephonic talk special type of skill based courses refers as Core Technical Area (CTA) that are apart from curriculum. The CTA are taken 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 programs and also get selected in the good companies like Tata Consultancy Services. To generate awareness related to recent trends in technology, internship training programs are conducted for final year students. 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 alumni. Alumni also donate books to college library for student’s welfare.

File Description	Document
Upload Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

VISION:

“To make this institute a center of quality technical and professional education, training and promoting research.”

MISSION

- To offer a well balanced programme of learning in technical and professional education.
- To provide opportunities for overall personality development, discipline and values in students.
- To establish linkages with industries and other stake holders for the promotion of dissemination of knowledge of applied technology, placement of students and continuing education.

OBJECTIVES OF INSTITUTION:

1. To qualify the students for university and other examinations for making them eligible for degrees conferred by university.
2. To take appropriate measures for promoting innovations in teaching-learning process and inter-disciplinary studies and research.
3. To inculcate professional and core Employability skills

The decentralization and participation in working helps to execute the academic and related activities of the institution, to organize the students, faculty development programs, and to visualize, formulate perspective plans for the development and growth of the institution.

The entire system is decentralized as follows:

Top Level :

The role of management in consultation with the Teachers' Council nominates different committees for planning and implementation of different academic, student administration and related policies. All academic and operational policies are based on the unanimous decision of the governing body, the IQAC and the teachers' council.

The Principal with the Heads of the Departments discusses the needs, problems, suggestions for improvement in the educational quality, infrastructure, etc. to propose to the management for further action.

Faculty level:

Faculty members are given representation in various committees/cells nominated by the Teachers' council, in the Governing body, in the IQAC and other committees.

- Governing body
- College Council committee
- Executive committee
- College Development committee
- Student Welfare committee
- Student Development cell
- Counselling and Career Guidance and Placement Unit
- Women's Redressal Committee
- Grievance Redressal Cell
- Anti-Ragging Committee

Student level :

Faculty Coordinator with group of faculties are deputed for student welfare committee along with students. Students are empowered to play important role in different activities.

- cultural secretary
- boys' common room secretary
- girls' common room secretary
- student welfare and social service secretary

Non-teaching staff level :

Representation of Non-teaching staff is incorporated in the governing body and the IQAC. Suggestions of nonteaching staff are considered while framing policies or taking important decisions.

Strategic level:

The governing body, Teachers' council and the IQAC are involved in defining policies & procedures, framing guidelines and rules & regulations pertaining to admission, examination, discipline, grievance, support services, finance etc

Functional level:

Faculty members share knowledge among themselves, students and staff members while working for a committee.

Operational level:

The top level interacts with government and external agencies & faculty members maintain interactions with the concerned departments of affiliating university. Students and office staff join hands with the top level and faculty for the execution of different academic, administrative, extension related, co- and extracurricular activities.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

Institute has a well-defined hierarchy and organizational structure for effective decision-making and policy framing. The internal structure of the College is defined by the rules and regulations of Governing Body/Local Managing Committee of college under overall policy of the Trust. The Governing Body of the college takes strategic and policy decisions on the basis on vision and mission of college, University norms time to time. Also, recommendation & suggestion for strategic planning and policy making are made at coordination committee meeting, College council meeting. Decision on recommendation regarding strategies and policy are taken at Governing Body of the college and at executive council of Trust depending upon the authority. Administrative setup, Service Rules, Recruitment procedures, Promotion Policies and perspective plan are provided in the SOP. The institution has a number of Committees for decentralized management activities for smooth functioning and effective learning for the students. The presence of the faculty and student can be found in all the Committees.

Attributes stated by accrediting agencies are considered while preparing and executing the perspective plan. IQAC plays a vital role in the implementation of the Perspective Plan which broadly covers

- Academics and Research
- Infrastructure Development

- Collaboration with industries and organizations,
- Extension activities
- Governance and Administration

.Accreditation

The Academic Deans and Internal Quality Assurance Cell serves as the body, responsible for quality deliberations in all academic matters

Teaching & learning

1. Systematic academic planning and execution
2. Outcome Based Education system
3. Providing physical infrastructure, Information and Communication Technology, infrastructure, Instruments & equipment, Ambience, Conducive for quality technical education
4. Intentional Efforts to bring experts eminent academician, social and national leader , International experts to the campus for interaction with students and faculty
5. Feedback from stake holders and its implementation

Research & Development

1. Participation in university, state, national level project competition
2. To enhance interaction with research laboratories if Council of Scientific and Industrial Research, Industry like Intel , Research organization like Indian Space Research Organization
3. Continuous efforts to invite scientist, researchers to college campus for interaction and motivation to faculty and students
4. To encourage faculty for Ph.D.
5. Modernization and removal of obsolesce (MODROB)
6. Lab-to-Land projects for societal benefits viz. eco-bin, plastic compression, solar plant, etc.

Community Engagement

1. Adaptation of villages and camps as National Social Scheme activities UBA
2. Formation of various groups like Srujan.
3. Organization of blood donation camp and making list of blood group donors available for community
4. Awareness camps for cyber security for lila ponawalla foundation
5. Induction Program for newly recruited faculty.

Industry Interaction

1. Enhancement of Industry- Institute interaction through involvement
2. Industry experts in conferences, seminars, convention, as adjunct faculty and as resource person for Welfare Scheme & training programme, Industry visit for students and faculty

3. In campus and pool campus interviews for students	
4. Industrial Training and Internship	
File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2.2 Implementation of e-governance in areas of operation	
1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination	
Response: A. All of the above	
File Description	Document
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

<p>6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff</p> <p>Response:</p> <p>Institute has effective welfare measures in place for its teaching and non-teaching staff.</p> <p>The various welfare policies are as follows:</p> <ol style="list-style-type: none"> 1. Group Medical insurance 2. Maternity leave as per norms 3. Medical leave 4. All the non-doctoral staff members are encouraged to get enrolled for part-time Ph.D. program. 5. Formation of co-op credit society 6. Yoga classes

7. 24 hour power back-up (100%) through solar power plants
8. Wi-Fi facility.
9. Workspace
10. Cafeterias
11. Identity cards
12. Sports facilities
13. Gratuity
14. Skill development workshop for non-teaching staff

The institute provide Provident fund, Group medical insurance, gratuity, advances in case of emergency, formation of co-op credit society for easy and seamless availability of loan, world class physical fitness facilities, Swimming, Health club, games and sports for faculties and staff. The institute provide medical insurance policy to all staff and also their family member which help them in their medical emergency. Every lady faculty get 6month maternity paid leave so they can take care of themselves and their new born child. In any medical emergency institute provide medical paid leave of 20 days. To take care of health of every staff institute provide yoga class by well train coach. Institute provides concession in sports like Badminton, Basketball, Swimming, Cricket, Football, Tennis, Archery, and Malakhamb to every staff and their children. Low rental cost housing is available wherein the campus at very less rents amount. Institute provides Wi-Fi facilities for all teaching and nonteaching staff as well as for the students in College premises. Contributory Provident Fund scheme to the teaching and non-teaching staff. Institute also arrange skill development workshop for non-teaching staff to enhance their skills.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response: 3.17

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

2021-22	2020-21	2019-20	2018-19	2017-18
1	0	5	5	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Response: 22.16

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
19	21	19	07	12

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
01	03	01	0	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Institute maintains & follows a well-planned process for the mobilization of funds and resource. The process involves various committees of the institute as well as the Department Heads and Accounts office.

Institute has designed some specific rules for the fund usage and resource utilization.

- Mobilization of Funds, the student Tuition fee is the major source of income for the institute.
- The management provides need-based loans to individuals.
- Various government and non-government agencies sponsor events like seminars and workshops.
- Alumni contribute to the institute by raising funds to purchase items like water coolers, wall clocks, etc.
- Sponsorships are sought from individuals and corporate for cultural events and fests.

Utilization of Funds

- A finance committee has been constituted to monitor the optimum utilization of funds for various recurring and non-recurring expenses
- The purchase committee seeks quotations from vendors for the purchase of equipment, computers, books, etc.
- The quotations are scrutinized by the finance and purchase committee before a final decision is made based on parameters like pricing, quality, terms of service, etc.
- The Principal, finance and purchase committees along with the accounts department ensure that the expenditure lies within the allotted budget. The intervention of the management is sought in case the expenditure exceeds the budget.

Resource Mobilization Policy and Procedure

- Before the financial year begins, Principal and Heads of Departments prepare the college budget.
- The institutional budget includes recurring expenses such as salary, electricity and internet charges, stationary & other maintenance costs.
- It includes planned expenses such as lab equipment purchases, furniture, and other development Expenses.
- The budget is scrutinized and approved by the top management and Governing Council.
- Accounts department and Purchase department monitor whether expenses are exceeding budget provision.
- The College Development Committee takes a review of the mobilization of funds and the utilization of these sources periodically in their meetings.
- Statutory auditors are also appointed who certify the financial statements in every financial year.
- The grants received by the college are also audited by certified auditors.

Optimal utilization of resources

- The college aims at promoting research, development, consultancy and such other activities, involving the faculty at various levels.
- The faculty, who exhibit initiative and receive substantial grants for R&D works or for strengthening the infrastructure in the institute would be encouraged and will receive special commendation.
- Travel grants can be sanctioned to faculty to present research papers at or to attend National or International Conferences in India or abroad, depending on availability of funds.
- Effective utilization of infrastructure is ensured through the appointment of adequate and well-qualified lab technicians & system administrators.
- The optimal utilization is ensured through encouraging innovative teaching-learning practices.
- The available physical infrastructure is optimally utilized beyond regular college hours, to conduct remedial classes, co-curricular activities/extra-curricular activities, parent teacher meetings.
- The college infrastructure is utilized as an examination centre for Government examinations/University Examinations.
- Library functions beyond the college hours for the benefit of students, faculty, and alumni.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities .

Our Institute attempts to chisel out the total quality person through a persistent focus on imparting quality education, through its innovative, comprehensive and flexible education policy. Its Internal Quality

Assurance Cell (IQAC) carries out activities that encompass all aspects of the Institute's functioning.

The IQAC at institute was constituted on 30 July 2016. Since then, it has been performing the following tasks on a regular basis:

1. Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.
2. Providing inputs for best practices in administration for efficient resource utilization and better services to students and staff.
3. Providing inputs for Academic Audit and analysis of results for improvement in areas found weak.

The objectives of the IQAC are:

1. To ensure continuous improvement in the entire operations of the Institution.
2. To develop a quality system for conscious, consistent and programmed action to improve the academic and administrative performance of the institution.
3. To promote measures for driving institutional functioning towards quality enhancement and institutionalization of best practices.

Strategies of IQAC

The IQAC has immensely contributed in the implementation of quality assurance strategies and processes at all levels.

1. Ensuring timely, efficient and progressive performance of academic tasks.
2. The relevance and quality of academic and research programmes.
3. Optimization and integration of modern methods of teaching and learning.
4. The credibility of evaluation procedures.
5. Ensuring the adequacy, maintenance and functioning of the support structure and services.
6. Research sharing and networking with other institutions in India and abroad
7. Students give their feedback and suggestions on teaching performance through the feedback policy.

The Institute IQAC regularly meets every three months. The Institute IQAC prepares, evaluates and recommends the following for approval by the authority.

- (a) Monthly Quality Report (MQR)

- (b) Annual Quality Assurance Report (AQAR)
- (c) Self-Study Reports of various accreditation bodies (ISO 9001, UGC 12b, NAAC, NIRF, NBA)
- (d) Performance Based Appraisal System (PBAS) for Career Advancement Scheme (CAS)
- (e) Stakeholder's feedback
- (f) Process Performance & Conformity
- (g) Action Taken Reports
- (h) New Programmes as per National Missions and Govt. Policies

The examples of practices institutionalized as a result of IQAC initiatives are as follows:

The IQAC led efforts to the successful implementation of modern technology in the Institute's administrative functioning through ICT and alternative sources of energy, especially enhancement of solar power by 50 kW in the last five years. Automation of admission, financial and examination processes, upgradation of Wifi and LAN facilities, have significantly contributed to an enhanced quality of teaching-learning experience.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)/ membership of international networks**
- 3.Participation in NIRF**
- 4.any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc**

Response: B. Any 3 of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

Gender Equity is the process of allocating resources, programs, and decision making fairly to both males and females without any discrimination on the basis of sex and addressing any imbalances in the benefits available to males and females. This requires ensuring that every one has access to a full range of opportunities to achieve the social, psychological, and physical benefits that come from participating and leading in education, academics, sport, art and other concern activities. It does not necessarily mean making the same programs and facilities available to both males and females.

The institute is totally unbiased in providing the opportunities in every sector, to the personals. There is no discrimination is done between male and female students. The various issues and results which reflects the promotion of gender equity under the women's grievance committee which work to provide an exclusive platform to female students & employees for their grievances.

The institute believes in the principle of equality. To promote the same message among the students and staff, Annual Gender Sensitization Action Plan is prepared in the beginning of the academic year.

As per guidelines given in Vishakha Judgment and according to the State Govt. directions, the institute has duly constituted **Women's Grievance Committee** to consider complaints related to any sexual discrimination/harassment of women faculty or student in the institute. It also provides counseling and supportive services in the campus and promotes awareness about sexual harassment through educational initiatives that encourages and respectful and safe campus environment.

The aim of WGC of the college is to provide an exclusive platform to women employees & girl students to put their grievances either in person or in writing.

The main objectives of this committee are:

- Responsible for maintaining discipline among the female students.
- To establish dignity, self-esteem & respect for women without any gender bias in the system.
- To bring about the advancement, development & empowerment of women. This committee will be widely disseminated so as to encourage active participation of all stake holders.

Colleges have organized events on international women's day every year. Program started with garlanding the statue of Savitribai phule who put light on the reason of celebrating the women's day. After that various competitions like quiz had been taken. All leady faculties and girls students actively participants in this event some of glimpses of events are as follows:

HVPM'S College of Engineering & Technology, Amravati

Report on International Women's Day Celebration

Date of Program: - 08-03-2020

H.V.P.M's College of Engineering has organized an event on International woman's day celebration on dated 8th March 2020. Program has started with garlanding the statue of Savitribae Fule and introductory speech of Dr. Anjali Raut, Professor at CSE department who put light on the reason of celebrating Women's Day. Prof. Prajkta Bodakhe, assistant professor at Saint Palloti College of Engineering, Nagpur has invited as a guest of honor for this event. On occasion of this quiz competition has been taken. All ladies faculties and girl students actively participated in the competition.

Some of glimpses of event:



Dr. A.B.Marathe
Principal

File Description	Document
Upload Additional information	View Document

<p>7.1.2 The Institution has facilities and initiatives for</p> <ol style="list-style-type: none"> 1. Alternate sources of energy and energy conservation measures 2. Management of the various types of degradable and nondegradable waste 3. Water conservation 4. Green campus initiatives 5. Disabled-friendly, barrier free environment <p>Response: A. 4 or All of the above</p>	
File Description	Document
Upload supporting document	View Document

<p>7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following</p> <ol style="list-style-type: none"> 1. Green audit / Environment audit 2. Energy audit 3. Clean and green campus initiatives 4. Beyond the campus environmental promotion activities <p>Response: A. All of the above</p>	
File Description	Document
Upload supporting document	View Document

<p>7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)</p> <p>Response:</p> <p>Institutional efforts and initiatives towards harmonious culture: Following are the activities performed by the Institute to provide an inclusive environment that fosters tolerance and harmony towards cultural, regional, linguistic, communal, and socioeconomic differences:</p> <p>The institute eventually organized different activities to promote Indian culture and its awareness through the formation of various clubs like ‘DAKSHA’, ‘DAZZLER,’ and ‘DRAMA’ and performed their activities. The ‘Divine’ is a fully dedicated club for music and music-related activities like singing,</p>	
---	--

playing musical instruments, etc. Dazzler Club is devoted to dance-related activities, and Drama Club is devoted to acting, stand-up comedy, mime, story-telling, mimicry, and other forms of art like dancing, painting, etc. The students shall participate in a university-organized youth festival program every year that provides a harmonious culture among them. The objective of all three groups is to promote cultural awareness, which helps them learn how to live and behave in society. These activities help to maintain cultural diversity at college campuses by fostering cultural and human values among the students. Through NSS Camp, various societal programs conducted like 'Swaach Village Abhiyan'. The Institute not only provides tolerance and harmony for culture but also for linguistic diversity, community, and society. This institute has a tradition of creating capable youth to handle self and societal issues.

To be a good citizen of India, everyone should be aware of society and its environment, as they are part of society. The institute has formed a SRUJAN group through which various social activities are organized throughout the year so that students will become strong enough and aware of their social responsibilities. 'Balam Upasva' is the breath of the parent institute, namely Hanuman Vyayam Prasarak Mandal, Amravati, on the same path this institute walks. The Institute believes that to build and develop a nation, the contribution of youth is important, and youth should be physically and mentally strong with strong morality, attitude, ethics, and values. The college magazine supports to express student's view in different languages like Marathi, Hindi, English, Sanskrit and Urdu.

Institutional efforts and initiatives towards sensitizing students and employees to their constitutional obligations

Every year, Constitution Day is observed to raise awareness of constitutional obligations and values for all Indian citizens by understanding federal duties and responsibilities. Women's Day celebrations are held at the institute, through which the message that there is equality between men and women and we should show respect for every woman is conveyed. The professional soft skills training provided to the students of this institute are in addition to the regular university curriculum. The institute has included soft skill training in its regular timetable. Full-time, dedicated faculty is available. This training includes soft skills like communication skills, presentation skills, interpersonal skills, ethics, and values among the students. AICTE's Universal Human Values program is making efforts towards holistic and value-based technical education. The number of faculties and staff had completed the certification on "universal human values". Now, these people provide this value education to the students through first-year induction program and university curriculum.

File Description	Document
Upload Additional information	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Title of the Practice:

Practice-1: Skills enhancement program for employment ready graduates

Objective of the practice:

It is undeniable revelation that most of the engineering graduates are not employable for the industries. The gap between university curriculum and dynamic expectation of industries is one of the causes of the same. While university curriculum is based upon the fundamental principles of science and engineering, the industry expect ready employable fresh graduates to start working immediately. The principle and concept of the practice of employability enhancement skill is to inculcate communication skill, soft skill and domain specific technical skill as per expectation of industries and in association with the industries.

The Context:

Features of the practice are to bridge gap between industry's expectation from fresh engineering graduates and graduates attributes acquired after undergoing university curriculum and syllabus. Due to the best efforts by the college, students get qualified to seek university degree with flying color through university curriculum and syllabus.

The Practice:

In this activity, training is provided to students through CTA in various domains. Under CTA, different activities are conducted like foundation course for third year, Summer Internship Program and Advance course for final year. The live interaction with industry personnel is done through Skype session as well as through personal interaction.

Evidence of Success

Identified Performance Indicators are:

1. Visible improvement in Communication and soft skill.
2. Improvement in post training performance test over the pre-training test
3. Feedback from (external) Industry Expert.
4. Campus placement.
5. Internship projects and evaluation by industry experts.
6. Academic projects and evaluation by university examiner.

Results:

The participation and involvement of industries in designing, validation and implementation of course content as well as providing internship and evaluation of project is over whelming. The placement records prove that the selection of CTA undergone students is much higher.

The feedback from industries about the performance of CTA undergone students is at par with one year industry trained graduates. It can be inferred that the project and practice of CTA gives industry acceptable employable fresh Engineering Graduates which confirms the bridging of gap between Institute outcomes and industry expectations.

Problems Encountered and Resources Required:

The following constraints were encountered during implementation of the practice:

1. To access and to get sufficient time slot of industry experts and to incite interest about the concept.
2. To identify the gap between expectation of the industries and the graduate attributes of college students.
3. To design curriculum and syllabus to bridge the gap.
4. To get validation of the curriculum syllabus and implementation scheme from industries.
5. To make faculty realized the requirement of additional training for them to acquire new set of skill and knowledge.
6. Constraints of financial resource for training and development of in house faculty by deputing them at industries or institution of higher learning or professional, also financial constraints for hiring professionals.

Practice-2:

Title of the practice: Universal Human Value (UHV) Education along with Professional and Technical Education

Objective of the practice:

- Nurturing of students and faculties to live with mutual happiness with human beings and with rest of Nature along with the development of technical and managerial competence. Inclusivity: Towards providing an inclusive environment for sensitizing students and employees of the Institute.
- To develop more confidence and commitment to understand, learn and act accordingly.
- To motivate and guide students to develop projects related to social welfare.

Goal:

- To provide Human value education along with technical and professional education Practice:
- To provide an environment which sensitize students as well as employees towards culture, region, linguistic, socioeconomic and other diversities

- To take initiatives to promote Universal Human Values among staff, faculty and students.
- To develop the value based living among the students through UHV.

The Context:

The Value education is always essential to shape human life. The basic universal human values are peace, love, truth, non-violence and right conduct, trust, attitude etc. The need for value education among the Engineering professional students, teachers is constantly increasing as we continue to witness increasing violent activities, behavioral disorders and lack of unity in the society etc.

The Practice:

The institute has been running the Induction Program regularly for all the new entrants in the first year which has modules of Universal Human Values and Indian Knowledge System which lay stress on values of tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities.

Faculties of institute have undergone through training program of human values and ethics. Students are well aware about this program as every year they undergone through the induction program. In spite of this institute follows one practice of mentor mentee scheme.

Evidence of success:

Identified Performance Indicators are:

- The Institute has been running the Induction Program regularly for all the new entrants in the first year which has modules of Universal Human Values as per guideline by NCC-IP AICTE
- The Institute has been running a course on Values and Ethics for the second-year students in ENTC branch regularly as per syllabus of Sant Gadge Baba Amravati University.
- So far, more than 20 faculties have attended the faculty development programs in online mode, during the pandemic. The workshops are being organized by NCC-IP AICTE

Activities:

- Faculty Development Programs, National and Regional Conferences, workshop on UHV
- Subject related to Human Values in inculcated in the syllabus.
- Human Values are like counseling on how to become a “good” individual. Mentor-Mentee scheme implemented in each department for student counseling.
- Mentor-Mentee schemes, discussion with students in induction program have led to a major rethinking among the students.

Problems Encountered and Resources Required:

The following problems or constraints were encountered

- Understanding Human Being, Nature and Existence Comprehensively.
- Understanding Values, Relationship and Society, Vision for Humane Society, Human Values
- Understanding the different learning challenges about human values amongst students.
- To identify activities that motive and encourage students to act which reflects basic human values.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

ENVIRONMENTAL MANAGEMENT SYSTEM The institute focuses on technical education without ignoring role of individual towards environmental conservation. The institute is not only concerned about environmental health in the campus but also about the issues related to environmental awareness and social welfare outside campus. The measures are initiated for dealing effectively with various issues related to the environmental health. 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 eco-friendly 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.

Highlights of Environmental Management System in Institute Since the initial days institute has followed the policy not to cut any tree while constructing the buildings. Not only existing trees are protected but also new trees are planted in the campus, and are taken care of. The institute observes all environmental days to increase awareness about the environment. The institute is pioneer in implementing roof-top solar electricity generation unit.

NO VEHICLE DAY

The Green Campus initiatives like No Vehicle Day show our commitment for environment too. Shree HVPM Campus observes 25th of every month s 'No Vehicle Day' in the college campus strictly with an objective to reduce pollution level and traffic congestion. The main objective of implementing “No

Vehicle Day” is to reduce green house gases (GHG) for averting climate change, promoting sustainable transport giving importance to energy efficiency for a good cause.



Use of natural lighting and air circulation in design of new structure like canteen. Policy is framed to replace energy in efficient system by efficient system like LED lamps energy efficient equipment, use of renewable energy solar street lamp, bio gas for canteen to conserve nonrenewable sources like petroleum fuel and electricity

Institute is free from noise by following the “NO HORN” activity in entire campus.

Swachh Bharat Abhiyan day is also observed on 2nd October since 2014, at various locations. On this occasion our students took the activity for cleaning the statues of our national heroes in Amravati city. Institute also encourages the students to perform various street plays and flash mob as a group activity to create awareness concerned to environment.

Tree plantation is regular activity under NSS Life Long Association through Plantation (LAPTOP) scheme. Saplings are planted every year during rainy season on Independence day, Teachers’ day, Engineers’ day by newly admitted students in association with NSS volunteers. The team takes care of saplings during course of their study. Finally during sendoffs in their final year of study, team members are felicitated. Plantation is also done at adopted village where residential NSS camp is held.



HVPM'S Green Campus Initiatives

LAPTOP

Life Long Association Through Plantation of Tree and Outreach Program



Tree plantation is done by students of the first year on every Independence Day. Student has to take care of the tree for entire 4 years of his college life. At the time of sendoff - Name plate of the student is fitted on the tree. 200 trees planted & grown every year

Rain water collection: Rain water harvesting system is put on rooftop of main building, shed of vehicle cycle stand, canteen building. Rooftop collected water passes through settling tank and over flow of settling tank goes to storage tank and water is used for non potable purpose (washroom). Rain water collected on tin shed of vehicle stand and canteen goes for recharging of ground water /well after filtration. We also made dry well underground structure in front of canteen area to dispose unwanted water. Also made the same arrangement at Pimpalgaon Bainai by NSS students of college.



HVPM'S Green Campus Initiatives

RAIN WATER HARVESTING



Use : Saving runoff and Utilizing it effectively
Area : Main Building (2100 Sq.mt.), Canteen (175 Sq.mt.)
Vehicle Shed (1000 Sq.mt.)
Project Cost = Rs. 60,000/-
Total Area : 3275 Sq.mt.
Average Annual Rainfall = 750mm
Total Water Harvested = 24,56,250 liters per year



HVPM'S Green Campus Initiatives

BLANK PAGES BANK

Under the NSS activity, students collect the blank pages from each class at the end of the session. In this year 10,000 blank pages were collected and reused to make note-books for the tribal students.

**We have saved 2 matured trees.
2 Trees = 260 pounds of Oxygen per year
This equals to the Oxygen consumed by
the family of 4 people.**

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

Additional Information :

The Institute worked hard to develop an engineer of high universal human values and to instill following attributes in teachers and students:

- To Identify, Formulate, and solve technical / Engineering Problems.
- To Design a system, component, or process to meet desired needs.
- To Use appropriate / modern tools, equipments and techniques.
- To Apply Knowledge of mathematics, Science and Engineering.
- To promote and facilitate the teachers for acquiring higher qualification.
- To Acquire knowledge of contemporary issues.
- To Develop Creativity.
- To invigorate entrepreneurship skill in students
- Teachers are vitalized 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 viz. MOOC , NPTEL , SWAYAM etc apart from regular/traditional chalk and talk methods
- To teach and follow Ethical, environmentally responsible Engineering practices
- To provoke and facilitate the faculties for research work and to publish papers at National/International Conferences and high indexed Journals , WOS etc.
- To aware and contribute for green environment , conservation of energy in campus and society.
- To take initiatives for awareness and implementation of policies mentioned in NEP-2020
- To participate and contribute in issues of national relevance.

Concluding Remarks :

Conclusion :

Institute has a well-defined hierarchy and organizational structure for effective decision-making and policy framing. The internal structure of the College is defined by the rules and regulations of Governing Body and College Development committee under overall policy of the Trust. The Governing Body of the college takes strategic and policy decisions on the basis on vision and mission of college, University norms time to time. Also, recommendation & suggestion for strategic planning and policy making are made at coordination committee meeting, College council meeting. Decision on recommendation regarding strategies and policy are taken at Governing Body of the college and at executive council of Trust depending upon the authority. Administrative setup, Service Rules, Recruitment procedures, Promotion Policies and perspective plan are provided in the SOP. The institution has a number of Committees for decentralized management activities for smooth functioning and effective learning for the students.

Institution has taken strong steps and contribute at university level for the implementation of policies mentioned in NEP -2020 viz.CBCS , Multi Entry Multi exit in particular.