



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution	Manakula Vinayagar Institute of Technology
• Name of the Head of the institution	Dr .S.Malarkkan
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04132643002
• Mobile no	9444348554
• Registered e-mail	principal@mvit.edu.in
• Alternate e-mail	contactus@mvit.edu.in
• Address	MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY, KALITHEERTHALKUPPAM, PUDUCHERRY-605107
• City/Town	PUDUCHERRY
• State/UT	PUDUCHERRY
• Pin Code	605107
2.Institutional status	
• Affiliated /Constituent	AFFILIATED
• Type of Institution	Co-education
• Location	Rural

- Financial Status **Self-financing**
- Name of the Affiliating University **Pondicherry University**
- Name of the IQAC Coordinator **Dr.R.Valli**
- Phone No. **04132643007**
- Alternate phone No. **04132643002**
- Mobile **9488812693**
- IQAC e-mail address **iqac@mvit.edu.in**
- Alternate Email address **vallirajendran75@gmail.com**

3.Website address (Web link of the AQAR (Previous Academic Year)

https://mvit.edu.in/wp-content/Files/aqar_2022/AQAR_22_23.pdf

4.Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

https://mvit.edu.in/wp-content/Files/Downloads/Acdemic_Cal_23_24.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.19	2022	11/10/2022	10/10/2027

6.Date of Establishment of IQAC

15/07/2015

7.Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr.S. Arunmozhi	AICTE-ATAL Programme	AICTE	2021	Rs.93,000
Dr. S. Arunmozhi	Seminar	MSIR	2023	Rs.5,000
Dr. S. Arunmozhi	Seminar	IETE	2023	Rs.8,000
Mr.S. Gowshameed	Seminar	IETE	2023	Rs.10,000
Mrs.S.Boovan eshwari	Endowment Lecture	CSI	2023	Rs.5,000
Dr.N.Palaniv el	Endowment Lecture	CSI	2023	Rs.5,000
Dr.P. Sivakumar	Endowment Lecture	IEI	2023	Rs.30,275
Dr. N.Poonguzhal i	Endowment Lecture	IEI	2023	Rs.50,000

8.Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9.No. of IQAC meetings held during the year **6**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10.Whether IQAC received funding from any of the funding agency to support its activities **No**

during the year?

- If yes, mention the amount

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

1. Excelling in Competitions 2. Equipping faculty members on effective implementation of NEP 3. Progression through activities, implementation of projects addressing Sustainable Development Goals 4. Excellence through activities of Professional bodies 5. Innovation, Product Development and Patenting

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

Plan of Action	Achievements/Outcomes
NIRF- 2023	Participated in NIRF Ranking 2023 in Engineering Category
NBA Accreditation Process	The programs • Computer Science and Engineering • Electronics and Communication Engineering • Information Technology were reaccredited by NBA in Tier-11 for the Academic Years 2022-2023 to 2024-2025 i.e. upto 30-06-2025 Department of Management studies was accredited by NBA in Tier-11 for the Academic Years 2023-2024 to 2025-2026 i.e. upto 30-06-2026
MHRD - Atal Ranking of Institutions on Innovation Achievements (ARIIA)- 2023	Participated in ARIIA rankings
Institutional Ranking	Participated in Rankings of various magazines like India Today-MDRA and Career 360 (AAA) under the Best Engineering College Category.
Provide Industry ready Curriculum and syllabi, multidisciplinary skill oriented courses to enhance the employability of the students	Autonomous Status granted from the Year 2024-25. Autonomy will enable us to design our own courses of study and syllabi, restructure and redesign the courses to suit local/global

	<p>needs. ? Currently the Institution follows the syllabus prescribed by the Pondicherry University. Senior faculty members of the institution are members of Board of studies of the affiliating University and they actively give their recommendations and suggestions in redesigning the syllabus to cater the changing demands.</p> <p>Value added courses and workshops are conducted to make the students industry ready.</p>
<p>Improve teaching and learning experience of teacher (teaching) and students (learning) and Excelling in Academic Performance</p>	<p>The institution has effectively implemented student centric learning strategies like experiential, participative and problem solving methodologies.</p> <p>Our Institute encourages intensive use of ICT enabled tools including online resources for effective teaching and learning process. Professional development programs on LMS tools, Innovation and design Thinking, Effective class room management etc., are regularly being conducted by the Outcome Based Education coordinator for the faculty members to diversify their teaching strategies to cater the different learning styles. All these methodologies adopted have made an impact in the academic performance of the students.</p>
<p>Bridge the gap between theoretical learning and practical Implementations</p>	<ul style="list-style-type: none"> • Departments regularly organize Guest Lectures /Seminars/Workshops by industrial experts to bridge the gap • Competitions are conducted regularly at departmental level and also institutional level.

	<p>Students are encouraged and guided to participate in various competitions and hackathons • Project expo is conducted every year.</p>
<p>Promote Research Culture and Collaborative quality initiatives with other institutions</p>	<p>Research papers published in reputed journals and conferences have increased significantly. Institution also conducts IEEE sponsored International conference ICSCAN every year since 2018. Applied for research funding to various funding agencies/schemes. Secured external research grants from government agencies, industries, and funding organizations.</p>
<p>Fostering Innovation, Promoting entrepreneurship and skill development</p>	<p>Atal Community Innovation centre has been granted, through which the institution has planned to provide community innovation space to innovators and startups, handholding, prototyping, validation, POC, precommercial versions, software development and other services required for start-ups. IGNITE SKYLABS - an incubated start-up by our Alumni is functioning successfully in the institution premises. The Entrepreneurship development cell, Innovation Club and Idea club organizes many programs to inculcate the entrepreneurial culture among the students. MVIT - CoE seven Centres of Excellence in collaboration with Google, IBM, Texas Instruments, Autodesk, Eplan, CISCO, Microsoft. The Centre of Excellence channelizes the knowledge & skill and creates a synergistic combination capable of improving</p>

	the problems solving skills.
Protection of Innovation	Seminars are conducted for the students and faculty members on intellectual property rights, including patents and copyrights. The number of patents filed by students, faculty and the institution has considerably increased over the years.
Increased Collaboration with Industries	MoUs with Industries were signed and various activities such as Guest Lectures/Workshops are conducted to the students. Students also undergo Inplant Training and Internships.
Capacity building and skills enhancement initiatives	Trainings on Soft skills, Language and Communication skills, ICT/computing skills are conducted by the Training and Placement cell in association with various training partners and language club. Life skills (Yoga, physical fitness, health and hygiene) trainings are conducted by the NSS cell.
Students Involvement in Professional Chapter Activities	The students chapters of professional bodies such as SAE, CSI, IETE, ISTE, IEEE, IE(I), NIQR,ISHRAE etc., conduct many activities which are coordinated by student representatives.IIC activities also involve the students .
Promote Ethical Awareness , Cultivate Moral Values, Gender Equity and Foster Social Responsibility	Orientation program was conducted for the first year students. Universal Human values (UHV) sessions were handled by the UHV certified faculty members. The program reflected in the ethical behavioural pattern of the students. Women Empowerment Cell organizes

various workshops, lectures and awareness programmes for their safety, security and healthiness. International Women's Day -2024 was celebrated in a grand manner in the institution. The cell also conducts various outreach programmes for the benefit of rural women in the locality. The Institute has a ICC/Prevention of Sexual Harassment (POSH) Cell that takes care of woman and students on sexual harassment.

13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	21/08/2024

14. Whether institutional data submitted to AISHE

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<p>13.Whether the AQAR was placed before statutory body?</p>	<p>Yes</p>
<ul style="list-style-type: none"> Name of the statutory body 	
<p>Name</p>	<p>Date of meeting(s)</p>
<p>Governing Body</p>	<p>21/08/2024</p>
<p>14.Whether institutional data submitted to AISHE</p>	
<p>Year</p>	<p>Date of Submission</p>
<p>2023</p>	<p>24/04/2023</p>
<p>15.Multidisciplinary / interdisciplinary</p>	
<p>Our Institute has spearheaded several initiatives to nurture a thriving academic environment by imparting multidisciplinary</p>	

knowledge aimed at creating skillful innovators and serving society through technical intervention. These initiatives include the development of interdisciplinary collaborative programs, special lectures, seminars, workshops, value-added courses and skill-enhancement courses, as well as symposia (MITILENCE, MITILITE), conferences (IEEE-International Conference on Systems, Computation, Automation and Networking), and industrial visits. The Institute is committed to the diligent implementation of the Pondicherry university UG/PG Curriculum Framework 2023-24, which aligns with the New Education Policy 2020, commencing from the academic year 2023-24. The curriculum emphasizes social responsibility, social awareness, and environmental consciousness, contributing to the holistic development of students. Our Institute has also been conferred autonomous status starting in the academic year 2024-25. This autonomy will enable us to design the syllabus and curriculum according to global standards, thereby imparting multidisciplinary skills and knowledge. Currently, the Institute encourages faculty to integrate problem-based learning, project-based learning, critical thinking, and creativity in teaching concepts related to Science, Mathematics, and Technology from the first year of the program. Beyond the curriculum, our Institute encourages students to undertake multidisciplinary projects addressing community needs and developing products that incorporate engineering concepts from various fields. The Institute also organizes extracurricular and extension activities, such as traffic awareness rallies and environmental awareness campaigns. We actively participate in government initiatives like Unnat Bharat Abhiyan and Swachh Bharat Abhiyan to promote community engagement and service. The Institute's Innovation Club, cultivate a culture of multidisciplinary research, encouraging students to address societal problems with practical solutions. Our Institute has been sanctioned to establish ATAL Community Innovation Centre to facilitate community Startups. Our Institute also initiates various activities to achieve the targets of Sustainable Development Goals. The IQAC hosts various activities to impart knowledge of the Indian Knowledge System, and the Institute annually observes days of national and international significance, promoting holistic development through commemorative activities. The SCIMIT - National Level Project Expo/Competition is organized on Science Day to recognize and appreciate projects spanning multiple disciplines. Student teams comprising members from diverse fields are mentored by Research and Development (R&D) coordinators to produce outcomes with multidisciplinary applications. In line with NEP guidelines, the Institute IQAC cell has taken

significant steps to promote multidisciplinary education through PDP, workshops, seminar, Technical Lecture Series and Confluence. Students are encouraged to participate in regional and national-level competitions, and final-year capstone projects provide a platform for solving real-world problems in multidisciplinary and interdisciplinary domains. The Institute is proactively working towards the implementation of NEP guidelines, aiming to achieve an inclusive and comprehensive educational environment.

16.Academic bank of credits (ABC):

The institution has made significant steps in implementing the Academic Bank of Credits system during the academic year 2023-24, aligning with NEP 2020 guidelines and UGC frameworks. The institution successfully registered with the National Academic Depository (NAD) portal (ID: NAD009208) as a first step in implementing the Academic Bank of Credits. A senior faculty member was appointed as coordinator, and a dedicated cell was formed to implement seamless credit transfer and storage. The institution has organized workshops and awareness programs for faculty members on ABC operations. Furthermore, the videos prepared by MoE on the usage of ABC ID and its importance were disseminated to all students. The students belonging to academic batches 2021-25, 2022-26 and 2023-27 have successfully created their ABC IDs, and the same was communicated to our parent university. Students have been instructed to use their ABC IDs while registering for SWAYAM examinations. Additionally, structured course credits according to UGC guidelines are proposed to be incorporated in the revised curriculum. The provision for flexible credit transfer mechanisms and policies for credit recognition from SWAYAM/NPTEL courses have been recommended to the Board of Studies of all departments.

17.Skill development:

In today's dynamic world, equipping engineering students with relevant skills is essential for enhancing employability and fostering innovation. A comprehensive approach combining value-added courses, workshops, and certifications has been implemented to empower students. Value-added courses bridge the gap between academic learning and industry demands by providing specialized knowledge in areas like Artificial Intelligence, Data Analytics, and 3D Printing, etc, preparing students for real-world challenges. Hands-on workshops and internal lab sessions further strengthen technical proficiency by encouraging students to apply theoretical concepts to practical scenarios. These workshops focus on discipline-specific skills such as coding, circuit

design, and prototype development, enabling students to gain expertise. Participation in initiatives like DDU-GKY (Deen Dayal Upadhyaya Grameen Kaushalya Yojana) creates industry-ready professionals, particularly benefiting rural youth, while Sagarmala promotes maritime and logistics-related skills aligned with national priorities. The adoption of FOSS (Free and Open-Source Software) tools fosters collaborative learning and innovation by providing access to advanced technologies without financial barriers, aiding in problem-solving and coding. Skill development courses also enhance the livelihood of rural communities in the vicinity of the institution. Soft skills such as communication, teamwork, and time management, are improved through workshops and assessed using various methodologies. Industry readiness is evaluated through placement statistics, certifications, and entrepreneurial ventures initiated by students. Metrics like patents filed, research papers published, and impactful solutions in hackathons reflect student's innovation. Community impact through student-led projects aligned with SDGs further underscores the program's success in fostering sustainable career growth and global readiness.

18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Our institution has been consistently working to promote and celebrate India's rich cultural and intellectual heritage, integrating Indian Knowledge Systems (IKS) into various events and activities throughout the academic year. Student Induction program is conducted for students to make them aware of the Universal Human Values (UHV). Courses on UHV, Indian Constitution, Indian Tradition etc., have also been mandated. The celebration of Navratri, one of the most important festivals in India, was marked by a beautiful Golu arrangement in the institution, reflecting the cultural diversity and spiritual essence of the festival. The spirit of devotion was heightened by student's performances, including devotional songs, Veena music, and Classical Dance, all of which are integral to India's performing arts tradition during the celebrations. In line with the institution's efforts to preserve and promote Tamil culture, the Parampariya Pongal Thiruvizha (traditional Pongal festival) was celebrated on January 12th, 2024. This celebration included cultural performances that showcased Tamil traditions, music, dance, and the spirit of community that surrounds the harvest festival. The Women's Day celebration on March 13th, 2024, was a powerful reminder of the enduring strength of women. The

compilation AAKA SAKTHI meaning celebrating womanhood was a collection of poems written in Tamil by students. In order to integrate Indian Knowledge Systems (IKS) with contemporary education, the Cultural Club organized an art exhibition titled "VARNA CHITRA - ART EXHIBITION" on April 5th and 6th, 2024. This initiative aimed to provide a platform for students to express their understanding of Indian Knowledge Systems (IKS) creatively, through the medium of art. The exhibition featured the work of 130 students, each of whom portrayed their interpretations of IKS across a wide array of themes, including education, art forms, medicine, culture, construction, and astrology. In an effort to blend ancient wisdom with modern education, a summer course on "Vedic Maths" was conducted for school students. This innovative course aimed to introduce the students to the powerful mental calculation techniques of Vedic Mathematics, an ancient system passed down through generations in India and it was designed to enhance mathematical proficiency and foster quicker, more efficient problem-solving skills.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

With Outcome-Based Education(OBE) framework implemented since 2016, the institution has made significant advancements in strengthening OBE practices during 2023-24. Four departments of the institution accredited by National Board of Accreditation articulate the implementation of OBE. The institution conducted a comprehensive review of Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) across all departments to align with emerging industry needs and NEP 2020 guidelines. Enhanced CO-PO mapping methodology using advanced analytics tools like Moodle platforms have resulted in more accurate attainment calculations. The mapping includes direct assessment through continuous internal evaluation, end semester examinations, and laboratory performance, along with indirect assessment through course-exit surveys and program exit surveys. The institution introduced innovative assessment methods incorporating project-based learning and real-life assignments to strengthen the practical application of theoretical concepts. Faculty development initiatives included specialized workshops on OBE assessment techniques, training on digital tools for outcome measurement, and department-wise sessions on curriculum refinement. As a part of continuous professional development on OBE implementation, faculty members are encouraged to complete online certifications through SWAYAM and other MOOC platforms. During 2023-24, more than 50% of our faculty members have successfully completed certified courses in OBE through various

platforms including NPTEL, SWAYAM, and UdeMy. Quality enhancement through systematic feedback mechanisms from stakeholders was established to ensure continuous improvement. The Attainment tools were refined based on the suggestions by industry experts thereby incorporating practical insights into the assessment process. The outcome formulation, developing course-specific rubrics for better assessment, and implementing periodic review mechanisms for continuous improvement were done with quality consciousness. The effective implementation of OBE has resulted in improved student performance and enhanced employability skills, as evidenced by the higher placement records and positive employer feedback.

20.Distance education/online education:

Our institution is committed to leveraging technology for enhancing learning opportunities through ODL which provides expanding access to education, accommodating diverse learner needs, and promoting lifelong learning. The institution provides ample flexibility to the students to learn and explore through ICT- teaching which is made possible by Wi-Fi enabled campus, smart classrooms, and latest configured computing facilities. The digital e-learning platform with innovative tools enable the learning anytime, anywhere which supports the holistic development of the students. All the classrooms in the institution, conference halls, and seminar halls are equipped with ICT-enabled tools and the necessary infrastructure for conducting online classes, special lectures, online meetings, workshops, conferences, symposiums, student events, etc. Institution has already implemented a Learning Management System and Student Management System to ensure that our students are provided with online teaching learning experience. Our faculty members are trained to handle ICT tools like LMS MOODLE, Nearpod, Draw.io, Pictory and GOOGLE CLASSROOM efficiently. The library of the college is well equipped with online e-resources to meet the academic needs of the students. Online learning assessments are done through Quiz, Mentimeter, Google forms, etc., It is a regular practice for the teachers and students to undertake various skill enhancement programs offered through online platforms like MOOC, NPTEL, Coursera, Swayam etc. Our Institute Training and Placement cell facilitates learning and practising of coding, aptitude, interview preparation etc., through Skillrack online portal. It also organises training programs, connects the students with Industry experts, alumni interaction and mock interviews through various online platforms for enhancing the employability skills of the students.

Extended Profile

1.Programme	
1.1 Number of courses offered by the institution across all programs during the year	684
File Description	Documents
Data Template	View File
2.Student	
2.1 Number of students during the year	2572
File Description	Documents
Institutional Data in Prescribed Format	View File
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	802
File Description	Documents
Data Template	View File
2.3 Number of outgoing/ final year students during the year	555
File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	196
File Description	Documents
Data Template	View File

3.2	196
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	47
Total number of Classrooms and Seminar halls	
4.2	583.81
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	764
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Our Institute is affiliated to Pondicherry University and follows the curriculum framed for affiliated colleges. Our senior faculty members being the members of Board of studies (BOS) of university, are involved in the revision of curriculum and syllabus. The Institute is committed to the diligent implementation of the Pondicherry university UG/PG Curriculum Framework 2023-24, which aligns with the National Education Policy 2020, commencing from the academic year 2023-24.

Academic planning committee prepares the academic calendar based on the university academic schedule. Based on this, department academic calendar is prepared. Timetable including hours for lectures, special lectures, sports, library, seminars, practical's etc., are prepared and finalized by the timetable committee. Each faculty member prepares lesson plan and course information sheet with outcomes. Teachers deliver the lectures through blended and student centric learning. For laboratory courses, working model,

charts, animation, virtual labs, etc., are used.

Feedback from the students is collected twice in a semester. Quality Circle Meeting (QCM) is conducted twice in a semester after the feedback. Faculty and Student representatives express their views on subjects, academics and other issues. Examination cell of the institution conducts two internal assessments and one model exam every semester. The quality of question paper, correctness of evaluation, outcome attainment are verified by Academic Review Committee (ARC) and Academic Administrative Audit Committee (AAA). The ARC verifies the preparedness of faculty for handling the subject in first meeting and effectiveness of delivery in subsequent meetings.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c1/1_1_1/1_1_1_Additional_Information.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institute has Academic planning committee headed by Principal, HODs and senior faculty members as members. This committee formulates the institutional level academic calendar in line with the university calendar to ensure the smooth & uniform conduction of academic and other developmental activities in all departments.

The department calendar apart from the activities listed in the institutional calendar includes, schedules of internal and external workshop, expert lecture, industrial visits, feedback, QCM etc.,

Two internal Assessments and one model examination are conducted in a semester as per the schedule in the academic calendar. Conduct of examinations are controlled and monitored by Exam cell of the Institution. For the Practical courses, internal assessment is based on the attendance, preparation of observation and performance of the students during the laboratory sessions, viva voce and timely submission of record note. Model practical

Examination is conducted at the end of the semester after completing all the experiments of the Practical course. For Project courses, three internal project reviews are conducted as per the schedule of the academic calendar. Mini project schedule is also provided in the academic calendar.

The reports of ARC & AAA are reviewed by IQAC periodically to suggest for corrective measures to improve the quality of teaching learning process.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c1/1_1_2/1_1_2_AdditionalInformation.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

13

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year**1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)**

68

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

2567

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

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

The course on Professional ethics is available in the curriculum. It deals with Engineering Ethics, Code of Ethics, responsibilities and rights etc., The activities for this subject include discussions, presentations and case studies focusing on ethical concerns.

Gender

The Internal Complaints Committee (ICC) has been constituted as mandated under the POSH act along with the UGC Regulations, 2015. Institution gives equal preference to Boys and girls in all aspects. The gender inequality if any is addressed by the ICC/Grievance redressal cell of the institution.

Human Values

Student Induction Program (SIP) which includes Universal Human Values is conducted every year to the freshers to help them in the development of worldview, mindset, perspective and values. The outcome is reflected by their responsibility in the classes and participation in various societal activities.

Environment and sustainability:

Core/Elective courses on Environment and Sustainability is included in the curriculum. The institution is part of MeriLiFE that empowers individuals to lead a sustainable lifestyle. Certificate of Appreciation has been issued by Government of Puducherry to acknowledge our continued commitment to maintain the college as a "Single Use Plastic Free Campus" and to promote Mission "Lifestyle For Environment" awareness among the students. The institute is committed to the implementation of SDGs under the name "Puvi Kaapome (???? ?????????)" with its Sustainability motto, "Walking the sustainable way - Striding towards SDGs - MVIT on the move". A workforce team is formed for the implementation of every SDG.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

646

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

2568

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution **A. All of the above**

from the following stakeholders Students
Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	https://mvit.edu.in/feedback/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://mvit.edu.in/feedback/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

2572

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

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

802

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution has an established process to monitor and support both Advanced and Slow learners, fostering academic growth for all students.

Slow Learners: Students scoring below 50% in three or more subjects in Internal Assessment (IA) tests or with more than two arrears in University Examinations are identified as slow learners. After each test, mentors provide personalized guidance and counselling. Special classes are conducted after college hours, focusing on exam-oriented coaching with simplified study materials. Dedicated coaching sessions are organized to help clear arrear subjects before the University Examinations.

Impacts: This targeted approach has resulted in significant improvements in performance during internal assessments and University Examinations. A substantial increase in the number of students clearing arrear papers has been observed.

AdvancedLearners: Students scoring above 70% in all subjects in IA tests or with a strong academic track record are recognized as Advanced learners. They are encouraged to go beyond the curriculum by participating in International and National level competitions, seminars, paper presentations, and conferences. Academic toppers are honoured each semester with merit certificates and prizes to acknowledge their excellence.

Impacts: Advanced learners have demonstrated commendable achievements in academics and co-curricular activities. Their participation has contributed to a noticeable increase in university ranks and placement opportunities.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c2/SOP/S10_Fast_Slow_Learners.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2572	196

File Description	Documents
Any additional information	View File

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

Manakula Vinayagar institute of Technology gives priority for students learning experiences and provides a transformative learning environment. To promote personalized learning experience with skill development to address real-world challenges, student centric methods are adopted. Experiential learning through simulations, on-site learning, Laboratory experience etc. create a transition from traditional classroom boundaries. The embracement of experiential learning has improved the engagement of students in academia and help them tounderstand the real-life problems.

Collaboration through participative learning has broken the passiveness of the students and has transformed them into active learners. Group discussions, interactive workshops, and projects help students develop communication skills.

The strategy of using problem solving methodologies like inquiry-based learning, Project based learning, Case based learning and so on have contributed to the development of Critical thinking ability among students. Offering the students community with the industry-relevant problems integrated in curriculum breeds their ability to diagnose issues and generate innovative solutions. There is a visible impact on the student's confidence and their approach to failures as these methodologies promote a growth mindset and give intrinsic motivation. Additionally, the students

develop professional skills like adaptability, resilience, metacognitive awareness and so on. The pedagogical transformations prepare students for increasingly complex and unpredictable professional landscapes. The holistic impact extends beyond academic performance and the practices have improved the innovation and creative mindset of students further inculcating a lifelong learning attitude.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://mvit.edu.in/wp-content/Files/Downloads/revised academic guidelines june 1 2022.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

ICT-enabled tools support a more thorough comprehension of difficult ideas and provide a dynamic, captivating, and effective learning environment that meets a range of learning demands. The institute has WiFi enabled campus with an Internet speed of 1.2 Gbps. The classrooms, laboratories, Seminar Halls, Auditorium and conference Room are well equipped with ICT facilities. Faculty Members are oriented towards usage of various LMS platforms like Google Classroom, Edmodo, Moodle, etc., to create an online classroom environment and facilitate teaching beyond the walls of the classroom. Blended learning, collaborative learning approaches, Problem based learning, Project based learning and Mind Map are practiced by the faculty members to enhance participative learning among the students. Animations and visualizations are used to demonstrate the algorithm, working of a component, functioning of a circuit or process.

Interactive Power point presentations with web based ICT tools like PREZI, Slidesgo, etc., as well as animated videos using Pictori, Animaker and video lectures are used during the lecture sessions. ICT tools such as Kahoot, NearPod, Google form, Mentimeter, typeform, Quizzez are used for formative assessment use of E-Learning Resources like NPTEL lectures, on-line journals and MOOCs (on-line lectures) for effective learning among students. The use of simulation software, evaluation tools and

mind-mapping tools (e.g. MatLab, Mathematica, MathCad, Octave, OrCAD, SPICE, AutoCAD, Solid Works, Inspiration, MindManager, Gitmind, Diffit, Draw.io, etc.,) are used in networked computing laboratory to demonstrate and carryout experiments.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

13

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

196

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc.

/ D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

40

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1958

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

MVIT's examination cell operates with precision, guided by a senior professor as Coordinator and supported by department-level coordinators. The cell oversees the planning and execution of assessments, ensuring timely communication with students and faculty, as well as the seamless handling of question papers.

The institution strictly adheres to the assessment guidelines set by the affiliating university, allocating 25% weightage to continuous internal assessments and 75% to end-semester exams for 2013regulation. It also follows40% weightage to continuous internal assessments and 60% to end-semester exams for 2023regulation.The examination schedule is meticulously planned,

comprising two Internal Assessments (IA) and one model exam per semester, aligned with the academic calendar and the university's timeline for transparency.

Question papers are prepared with care: IA exams feature ten 2-mark questions and three 10-mark questions within a 100-minute duration, while model exam papers follow the university's format to assess various levels of student understanding. Answer scripts are evaluated promptly within two days, with the QAC/ARC ensuring quality and accuracy. Students with low scores are provided counselling, special coaching, and opportunities for retests to improve performance.

Practical courses are assessed through continuous evaluations and model practical exams, while project work is reviewed periodically for progress and quality. Performance reports are regularly communicated to parents, with follow-up meetings arranged as needed.

This systematic approach ensures fair, transparent, and efficient evaluation processes, supporting academic excellence and fostering continuous improvement among students.

File Description	Documents
Any additional information	View File
Link for additional information	https://mvit.edu.in/wp-content/Files/Downloads/OBE_manual.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

Each department at the institution has a Quality Circle Committee (QCC) comprising faculty and student representatives for each class. QCC meetings are conducted twice every semester, providing a platform for members to share their views on departmental activities, syllabus coverage, teaching methodologies, evaluation processes, and other academic aspects.

The ARC ensures the quality of question papers and upholds fairness and transparency during answer script evaluation. Students with grievances related to internal evaluation approach the respective course in-charges for resolution. If unresolved, they escalate the matter to the Head of the Department. To improve internal assessment marks, students are allowed to take retests.

For grievances related to end-semester examinations, students apply for reevaluation in accordance with the affiliating university's procedures. Issues such as missing data in question papers, out-of-syllabus questions, or printing errors are reported to the Controller of Examinations, Pondicherry University, through the appropriate course in-charges and examination cell.

Course in-charges also submit their feedback on university examination question papers to the examination cell after each exam. Any grievances related to the university examination portal are addressed by the examination cell to ensure smooth operations.

This structured grievance redressal system promotes transparency and fairness while ensuring that the student's concerns are effectively addressed. It fosters an environment of continuous improvement, reinforcing academic quality and student satisfaction.

File Description	Documents
Any additional information	View File
Link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c2/SOP/S16_Student_Assessment.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Course in-charges develop Course Outcomes (COs) prior to the commencement of each academic session, ensuring they are specific, measurable, and achievable. These COs guide the planning of teaching activities and assessment methods, aligning with the Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) of the department.

The QAC/ARC evaluates the COs to ensure adherence to Bloom's Taxonomy, appropriate use of action verbs, and feasibility for attainment. At the start of each semester, students are informed about the COs, which are prominently displayed in lesson plans, course information sheets, course file documents, and question papers.

To achieve the COs, course in-charges integrate diverse activities

such as guest lectures, mini-projects, workshops, industrial visits, online courses, quizzes, seminars, assignments, and group activities into their teaching strategies. The AAA committee assesses the effectiveness of the teaching-learning process, verifies CO attainment, and promotes continuous improvement.

Student feedback on COs is collected through course exit surveys to ensure the relevance and effectiveness of the outcomes. Additionally, POs and PSOs are widely disseminated through the college website, as well as in departmental spaces such as HOD rooms, faculty rooms, laboratories, and classrooms.

This systematic approach ensures that COs are well-defined, effectively communicated, and consistently achieved, fostering a robust academic framework for continuous quality enhancement.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://mvit.edu.in/wp-content/Files/Curriculum%20and%20Syllabus/B.Tech_CSEsyllabus.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Manakula Vinayagar Institute of Technology concentrates on building quality through outcome-based education with the help of its meticulously designed assessment framework. By implementing systematic planning, clear outcome definitions, standardized assessment tools, transparent evaluation processes, and a robust continuous improvement mechanism, the institute ensures comprehensive academic quality. Our strategic approach transforms educational delivery, creating a dynamic learning ecosystem that consistently tracks, evaluates, and enhances student learning experience and institutional performance.

The Departments systematically evaluates its Programme outcomes and Course outcomes to ensure its academic quality and continuous improvement strategies. This periodical evaluation helps in providing a comprehensive learning environment and enhancing the curriculum by bridging the gaps through various activities.

Moreover, individual and collective student progression is also monitored effectively. The evaluation process integrates well-structured assessment strategies with various tools. This includes

1. Direct Assessment techniques: Being an affiliated Institute under Pondicherry University the students are assessed based on Internal examinations, end semester examinations, assignments, quiz, performance rubrics, research project assignments, seminars, Practical examinations, project-based assessments and so on. The direct assessment techniques involve the measurement of cognitive skill assessment of individual and group of students. The internal assessments are evaluated for 20% and End semester examinations for 80%.

2. Indirect Measurement Strategies involve Student feedback mechanisms, Alumni surveys, Employer satisfaction assessments, and at times the survey from other stakeholders are also considered for improvements. The indirect assessment is given a weightage of 10% and the direct assessment is given a weightage of 90%.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://mvit.edu.in/wp-content/Files/IT/CurriculumandSyllabus/IT_CURRICULAM_SYLLABUS.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

531

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://mvit.edu.in/downloads/annual-report/

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://mvit.edu.in/naac/student-satisfaction-survey/>

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 year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

1.18275 lakhs

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

4

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

4

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://mvit.edu.in/wp-content/Files/naac/c3/3_1_3/3_1_3_FundingAgencyWebsiteLink.pdf

3.2 - Innovation Ecosystem

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

The institution actively promotes project-based learning to enhance students' practical skills and innovation. Regular seminars on Intellectual Property Rights (IPR) and research methodologies are organized to build awareness and expertise among the students and faculty members of our institution. Final-year students undertake projects based on problem statements provided by organizations and agencies through initiatives like the Smart India Hackathon. Project Expo is conducted annually, where selected projects and mini-projects are submitted for patents or copyrights, while others are published in reputed journals and conferences.

To nurture entrepreneurial skills, students are guided on entrepreneurship and encouraged to register under the Micro, Small, and Medium Enterprises (MSME) framework. Innovation-focused

competitions are also conducted to inspire creativity and technical excellence among students.

Faculty apply for research funding and along with students engage in research projects, leading to the development of innovative solutions and products.

The Technical Lecture Series(TLS) facilitates the faculty to explore interdisciplinary and multidisciplinary project ideas. The institution's R&D lab supports the development of in-house laboratory equipment and projects tailored for industry requirements.

As part of its Institute Innovation Council (IIC), the institution fosters a culture of innovation through various activities, promoting collaboration and continuous learning. This integrated approach empowers students and faculty to contribute significantly towards research, entrepreneurship, and technological advancement.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/research-development/

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

68

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

4

File Description	Documents
URL to the research page on HEI website	https://mvit.edu.in/research-development/#
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

104

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

101

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 year

Manakula Vinayagar Institute of Technology actively participates

in the Unnat Bharat Abhiyan (UBA) scheme and has adopted seven villages in the Union Territory of Puducherry. Guided by the UBA Coordinator, NSS Officer, and faculty volunteers, student teams plan and execute various technical intervention activities in these villages.

The institution conducts livelihood development programs such as phenyl making, soap oil making, LED lamp assembly, Agarbathi making, Diya making, paper bag making, etc., to empower local communities. Faculty and students also engage in training employees at Lucas TVS (TVK Plant), helping them to enhance their skills. Additionally, an one-month summer camp (Eureka) for the children of these employees was organized in the college campus, fostering learning and recreation.

As part of the Student Induction Program, activities such as temple cleaning, tree plantation drives, and awareness programs on critical issues like drug abuse, saving the girl child, rallies on water and energy conservation were carried out in the adopted villages. "Save Agriculture - Agriculture Land Visit" further highlighted pressing social and environmental concerns.

The institution also prioritizes health awareness by organizing sessions in schools, adopted villages, and local communities in collaboration with NGOs and hospitals.

These initiatives reflect the institution's commitment towards community development, environmental conservation, and social responsibility, creating a meaningful impact in the adopted villages and beyond.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/facilities/
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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 organized in collaboration with industry, community and NGOs) during the year

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., during the year

33

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

2787

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

335

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

40

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institution is equipped with extensive infrastructure and facilities to support teaching and learning. Spanning 10.22 acres, the campus offers 21,357.02 sq.m of constructed space, including a

311.17 KW solar power plant. The instructional area covers 12,639.37 sq.m, featuring workshops, drawing halls, laboratories, classrooms, seminar halls, and tutorial rooms designated to provide a comprehensive learning experience. Administrative spaces occupy 1,724.46 sq.m, housing boardrooms, offices, faculty rooms, and reception areas. Additional amenities span 1,283.95 sq.m, while circulation areas extend over 4,290.75 sq.m.

Classrooms are spacious, well-ventilated, and equipped with modern technology, including LCD projectors, audiovisual aids, and Wi-Fi to enhance the learning environment. The campus also features well-equipped laboratories, auditoriums, conference rooms, and seminar halls with capacity ranging between 60 to 800. A dedicated language lab assists students in improving their language skills.

The entire campus is under CCTV surveillance for security. The Technology Business Incubator Cell, supported by MSME, nurtures startups like Ignite Skylabs within a 111.48 sq.m area, fostering innovation. The Industry-Institute Interaction Cell enhances training opportunities and facilitates campus recruitment by collaborating with industry partners.

The library, covering 780.38 sq.m, houses a vast collection of books, journals, and digital resources. The campus is equipped with 764 computers, Wi-Fi, and high-speed internet (1.2 Gbps), supporting both academic and research needs. Additionally, separate offices for IPR, UBA, Alumni, and NSS Cell reflect the institution's commitment towards holistic development.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c4/4_1_1/4_1_1_b.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Students are highly encouraged to participate in and showcase their cultural talents, with all activities being coordinated and supported by the Cultural Club. The institute is equipped with two air-conditioned auditoriums, each with seating capacities of 800 and 400, designed to host a variety of cultural events. The practice sessions for these events and competitions are conducted

in the common rooms, providing ample space for rehearsals. To support students' artistic expression, the college offers a range of musical instruments, including acoustic guitars, electric guitars, flutes, drums, etc.,

The college also boasts exceptional sports infrastructure, with a strong emphasis on promoting student involvement in various games, sports, and track and field activities. The expansive campus features dedicated playfields for cricket, hockey, football, basketball, volleyball, tennis, and badminton. To assist students in honing their skills, expert physical education faculty and coaches are available to provide training and coaching across different sports and fitness programs.

Additionally, the on-site gym is fully equipped with treadmills, barbells, and other fitness equipment, ensuring students have access to the resources needed for their physical development. Safety protocols are strictly followed during practice, tournaments, and competitions. The college allocates one hour in a day for sports activities to the students and with special permissions granted for national-level competitions. Financial support is also provided for sports students. Yoga training is offered through the Sahaja Yoga Centre and Art of Living, Puducherry Centre for promoting overall well-being of all the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac/c4/video/Sports.webm

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

47

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac/c4/video/ClassRooms.webm
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

583.81

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The institute's central library spans 10,272 sq.ft and provides modern infrastructure with a seating capacity for 150 students. It houses an extensive collection of 25,911 books, 37 IEEE Transactions, 86 national and international journals, 25 technical magazines, 14 general magazines, 1,375 CDs/DVDs, 1,562 project reports, and subscriptions to DELNET and J-Gate (Science & Technology), offering access to 15,415 e-journals. The library is divided into various sections, including circulation, reference, newspaper corner, OPAC, journals, and new arrivals.

Library services are fully automated through the Manakula Vinayagar Library Management Suite (ILMS). Activities like circulation, cataloging, serial control, and online public access

catalog (OPAC) are efficiently managed using specialized software and barcode readers. The library is Wi-Fi enabled and under CCTV surveillance, ensuring a connected and secure environment for users. It holds institutional memberships with prestigious libraries and databases such as the British Council Library, DELNET, IEEE, J-Gate, and MALIBNET.

The digital library section is equipped with 30 systems to provide access to e-journals and e-books. Additionally, photocopying services are available for users' convenience, and there is a facility to access NPTEL web and video lectures also. The Library Committee, consisting of the Professor In-charge, Librarian and Department Coordinators, ensures the regular updating of books, journals, and other resources, maintaining the library's efficiency and supporting the seamless functioning of its services.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c4/4_2_1/4_2_1_b.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources B. Any 3 of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

18.47

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

1365

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The Institute boasts state-of-the-art computing facilities, including 764 computers, 8 servers, and 40 printers, all connected through a robust network supported by routers, switches, and firewalls. These systems are regularly updated and maintained by a dedicated team of System Administrators to ensure optimal performance. The campus is fully covered with uninterrupted Wi-Fi, and the Microsoft campus license agreement is renewed annually to ensure that, the latest software is available for academic and research purposes.

With a 1.2 Gbps internet speed, the campus is equipped to meet out the academic and research needs. The Institute follows a Standard Operating Procedure (SOP) for the maintenance of IT infrastructure, ensuring a reliable and secure computing environment. The advanced facilities also support national-level exams conducted by various government agencies, including GATE, JEE, JIPMER, NPTEL, and others, making them accessible for large-scale test takers.

For enhanced security, CCTV surveillance cameras are installed

across the campus, with DVRs that can be remotely accessed via the internet. This system ensures the safety and security of students and staff by monitoring and preventing undesirable activities. Additionally, a Sonic firewall is implemented at the router to prevent unauthorized internet access. All these facilities are routinely maintained and upgraded to keep up with evolving technological needs, ensuring a secure, efficient, and productive environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c4/4_3_1/4_3_1_b.pdf

4.3.2 - Number of Computers

764

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

87.63

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The Institute adheres to standard operating procedures (SOPs) for the effective utilization of its physical, academic, and support facilities. Classrooms, seminar halls, and the auditorium are maintained on a daily basis to ensure optimal functioning. Laboratory equipment maintenance is initiated by the respective Laboratory In-charges whenever needed. Lab assistants handle minor repairs, while major repairs and maintenance tasks are coordinated by the concerned Lab In-charges and Heads of Departments (HODs), with the external service experts.

The institution's computer systems are connected through a 24/7 internet, supported by UPS systems and servers to ensure continuous operation. The IT maintenance staff, led by the System Administrator, is responsible for system upgrades, networking, and preventive maintenance, ensuring the smooth running of all IT infrastructure.

The Library Development Cell, overseen by the Professor in charge, librarian, and department coordinators, plays an active role in acquiring and managing resources. The library assistants, under the supervision of the librarian, conduct regular maintenance to ensure the library's resources and facilities are in good condition.

The Physical Education Department, managed by Physical Director, is responsible for procuring sports equipment and maintaining the playfields. Electricians oversee power-related issues, conducting routine inspections and implementing necessary safety measures. The Maintenance Cell handles the overall maintenance of the buildings, campus cleanliness, and minor furniture repairs, which are carried out in the on-site workshop. Monthly reports detailing maintenance activities and utilization are submitted to the Head

of the Institution to ensure efficient management and continuous improvement of all facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c4/4_4_2/4_4_2_a.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

812

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

1304

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://mvit.edu.in/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

2562

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

2562

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student

A. All of the above

grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

475

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

19

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

04

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

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 year

5.3.1.1 - 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 year.

29

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Manakula Vinayagar Institute of Technology's Student Council is dedicated to fostering a comprehensive approach to enrich the lives of students on campus. This dynamic forum cultivates positive attitudes, leadership skills, social attitude, and cultural talents, prioritizing the holistic development of every student. Throughout the year, diverse range of events are organized, creating an adaptive environment for aspiring engineers to learn, refine their talents, and showcase their competencies. Each department has a Technical Association led by student office bearers, organizing various technical events. Professional body chapters of SAE, CSI, IETE, ISTE, IEEE, IE(I), NIQR, ISHRAE, etc., conduct activities with industry experts, coordinated by student representatives. Clubs including Maths, Language, Energy and cultural host events like puzzles, quizzes, debates commemorating National & International days and cultural programmes.

The NSS unit instills social responsibility, engaging in activities such as tree plantation, Swatch Bharath Mission, and health camps. The Sports Committee, comprising student representatives, forms teams, practice, and participate in regional/national tournaments. The Transport Committee addresses grievances related to transportation, while Innovation Club encourages innovative thinking. The Quality Circle Committee, involving HOD, faculty, and student representatives, addresses student feedback to enhance the teaching-learning process and maintain a conducive learning environment.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/student-council/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

142

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

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

Our accomplished alumni have secured lucrative positions in esteemed organizations, both in India and abroad. The MVIT alumni association, a registered society, staunchly supports the college in realizing its goals, vision, and mission. The association's primary aim is to cultivate robust ties among alumni, students, and the institute, forming a powerful network that ensures continuous engagement and provides tangible benefits.

Annual alumni meet, held preferably in December, bring together all batches, enhancing effective participation. The Alumni's influence extends to the IQAC and department's Advisory committee, where their insights shape policies and procedures. Frequent interactive sessions with juniors feature alumni sharing expertise on skills, latest technologies, corporate trends, and working

culture. Financial contributions from alumni support activities and book donations.

Alumni participate in mock interviews, mentoring sessions, and Group Discussions for their juniors. Industrial visits are facilitated by alumni, offering insights into current practices. Experienced alumni provide orientation and motivation sessions, guiding students in career choices. Those alumni studying in higher educational institutions offer valuable guidance on entry-level tests for further studies to their juniors. Entrepreneurial alumni sign MoUs for technical and in-plant training, while start-up founders share their experiences to the juniors through the activities of the Institute Innovation council. Our alumni embody success and continue to enrich the institution's legacy.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/alumni/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Our institution, underpinned by a well-defined vision and mission, has developed these statements with invaluable contributions from diverse stakeholders, including faculty members, employers, industrial experts, alumni, parents, and students. The process also integrates an understanding of social needs at regional, national, and global levels. Sponsored by the prestigious SMVE Trust, a leading educational trust in Puducherry managing 13 institutions, the institution benefits from a robust governance structure. The Governing Body, comprising trust members,

university representatives, industry leaders, institution heads, and faculty, convenes annually to evaluate proposals, approve developmental initiatives, review achievements, and ensure alignment with the trust's vision.

Our mission encompasses excellence in academics, research, innovation, development, employability, entrepreneurship, and community service, as detailed in a comprehensive strategic plan. These objectives are achieved through 40 active cells, clubs, and committees, each led by a coordinator and supported by team members. These entities collaboratively design and execute action plans aligned with the institution's strategy.

Regular review meetings, chaired by the coordinators and the principal, ensure the timely implementation of activities and adherence to planned objectives. Outcomes are periodically assessed in meetings led by the principal, and corrective measures are implemented as needed. Detailed reports are subsequently presented to the Governing Body for approval and ratification. This integrated approach ensures the institution remains dynamic and responsive to its mission, fostering continuous improvement and alignment with stakeholder expectations and needs of the society.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_1_1/6_1_1_upload.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The institution operates under a decentralized structure, with the Principal overseeing both academic and administrative functions. Heads of Departments (HoDs) ensure the effective execution of departmental activities while also contributing to institution-wide administrative responsibilities. The institution's 40 committees, clubs, and cells, each governed by the clearly defined responsibilities in the Governance Manual, are managed by designated coordinators. Regular meetings facilitate collaboration among HoDs, faculty, non-teaching staff, technical assistants, library personnel, and students. Administrative functions are efficiently carried out under the supervision of the

Administrative Officer, Librarian, and Hostel Supervisor.

Case Study: Training & Placement Cell The Training and Placement Cell is dedicated to aligning students' career aspirations with industry demands. Led by the Training and Placement Officer (TPO) and supported by departmental placement coordinators, the cell organizes training programs and collaborates with recruiters for campus placements.

Key activities include:

- Implementing placement strategies.
- Preparing students for aptitude tests, soft skills development, and psychometric assessments.
- Conducting mock interviews.
- Arranging career counseling sessions.
- Offering industry-specific training.
- Partnering with platforms like SkillRack and Cocubes for online assessments and recruitment.

Outcomes The cell's efforts have resulted in increased internships and industrial visits, a strong placement record with competitive salary packages, the establishment of centers of excellence for international certifications, and recognition in various competitions. This comprehensive approach equips students with the skills and opportunities needed for successful careers.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_1_1/6_1_1_placed_student.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The strategic / perspective plan of the Institution focused on Admissions, Academics, Placement, Research & Deveopment, students developmental activities, faculty development and infrastructure development are updated in every five years. In the meetings with HOD's and staff members, the strategic plan is discussed, activities in respect of the various parameters are reviewed and corrective actions are suggested to attain the targets.

Case study:

The strategic plan is successfully implemented for Research, Development & Innovation Activities.

The responsibilities of R&D Cell are

- Arranging regular R&D meetings, to review the progress.
- Arranging for R&D workshops/seminars to the faculty members periodically.
- Identifying interested students / faculty members and guide them to carry out the innovative projects.
- Coordinate with EDP cell and TBI cell to take up the project ideas into real time implementations.

One of the activities successfully implemented based on the strategic plan is filing of patents for the innovative products/projects developed by the Institution.

An exclusive IPR cell is functioning under the auspice of R&D cell and its objectives are

- To create awareness among the faculty and students on IPR through periodic workshops/seminars.
- To encourage and facilitate students and faculty members to apply for patents, address FER queries and support during hearing.

Outcome:

Product patent Filed: 17

Granted: 05

Published: 17

Design Patent Filed: 18

Granted: 18

Copyrights Filed: 07

Copyrights Granted: 07

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/product_development.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Manakula Vinayagar Institute of Technology emphasizes the critical role of effective governance to ensure quality teaching, learning, and research outcomes. To achieve this, the institution has developed a comprehensive governance manual, policies, and standard operating procedures (SOPs) that ensure transparency, accountability, and stakeholder satisfaction.

The leadership and governance framework adopts a participative approach, engaging stakeholders through well-structured systems. The Governing Body of the institution approves developmental initiatives and oversees their implementation. A strategic plan outlines the key focus parameters, action plans to achieve the target and designated responsibility centers, is providing a roadmap for institutional growth.

A well-defined organizational structure incorporates internal, external, and student members across various committees and boards. Regular meetings are held to review the progress of activities, and detailed reports are submitted to the Governing Body for evaluation and guidance.

The institution adheres to a robust HR policy aligned with AICTE and UGC norms, ensuring a transparent recruitment process, well-defined promotion criteria, and incentive structures. All policies, SOPs, and service rules are disseminated through the institute's website and also through periodic meetings, for providing clarity and accessibility to the stake holders.

Decentralization and delegation of authority are key aspects of the governance model, facilitating efficient functioning through a bottom-up approach. The Management, Principal, and HoDs collaboratively plan and execute activities, ensuring alignment

with the institution's vision. This participative governance structure fosters accountability, innovation, and a commitment to excellence in all institutional endeavors.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/Downloads/2024_Governance_Manual.pdf
Link to Organogram of the institution webpage	https://mvit.edu.in/wp-content/Files/Aboutus/Organogram.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The Institution firmly believes that the overall well-being of individuals drives the sustainable growth of the Institution. To maintain high morale, motivation, and staff retention, the Institution has implemented various welfare schemes for Teaching and Non-Teaching staff.

Leave Benefits:

- Casual leave, earned leave, Sick leave, Maternity leave.
- On-Duty leave for teaching staff to attend seminars, conferences, etc.
- Compensatory off for working on holidays.

Monetary Benefits:

- Employees' Provident Fund and ESI: Management matches the employees' contribution.
- Group Insurance: Premium fully paid by the Management.
- Special increments for PhD awardees.
- Interest-free emergency loan facility.
- Fee concessions for staff members' children.
- Concessional medical treatment at Sri Manakula Vinayagar Medical College Hospital.
- Free transport facility for all staff.

Other Welfare Measures:

- Annual free health check-ups at Sri Manakula Vinayagar Medical College Hospital.
- Staff Recreation Club organizes annual tours and events.
- Awards and certificates are presented to staff members for their outstanding contributions.
- Awareness programs on health, investments, technology, and stress management.
- Employment consideration for dependents of deceased employees based on merit and post availability.
- Subsidized food is provided on request for faculty and staff.

These initiatives reflect the Institution's commitment to the holistic development and welfare of its employees, ensuring a supportive and rewarding work environment.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_3_1/6_3_1_final.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops

and towards membership fee of professional bodies during the year**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

81

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

56

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

196

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Faculty members in Higher Educational Institutions (HEIs) today undertake innovation, conduct research for self-renewal, and stay updated with technological advancements. This enhances their expertise to effectively implement curricular requirements while also contributing to industry and community. A well-structured Self-Appraisal System is essential for maximizing faculty contributions and fostering individual and institutional development. Our institution has implemented a meticulously designed Self-Appraisal Form to record faculty achievements in academic activities, student development, departmental growth, and self-development. Faculty members document their accomplishments, calculate scores as per predefined metrics, and derive their Faculty Performance Index (FPI) on a five-point scale.

The Self-Appraisal System motivates faculty to excel in teaching, research, innovation, and developmental activities. The FPI impacts:

Annual increments.

Special increments and rewards for exceptional performance.

Continuous performance monitoring and improvement.

Assessment Period

The evaluation is conducted annually after the academic year

concludes on May 30th.

Components of Assessment

Following AICTE guidelines, performance is evaluated under:

- Academic Activities
- Research Activities
- Extension Activities
- Administrative Activities

For Non-Teaching Staff, appraisal includes responsibilities handled, lab course assistance, skill development programs, qualification upgrades, and contributions to institutional growth.

Assessment Process

Self-Appraisal Form filled by faculty.

Student Feedback and University Exam Results.

Performance evaluated by HoD and Principal through interactive sessions.

Follow-Up Actions

FPI 4-5: Annual increment.

FPI 3.5-4: Increment with suggestions for improvement.

FPI <3.5: Notice for improvement; persistent underperformance may lead to termination.

Exceptional contributions in research or outreach are rewarded with special increments.

This system ensures faculty are recognized, motivated, and aligned with institutional goals.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/proof_teaching_appraisal_link.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The Institution has established a robust mechanism for budget proposals, fund allocation, and internal and external audits to ensure effective and compliant financial management.

Budget Proposal and Fund Allocation:

Before each financial year, the principal submits a budget proposal to the Management based on recommendations from Heads of Departments. The budget includes recurring expenses such as salaries, advertisements, repairs, maintenance, stationery, printing, and lab consumables, along with non-recurring expenses like equipment purchases, furniture, and infrastructure development. Funds are allocated by the Management after reviewing the proposal.

The Accounts Department monitors expenditures against the approved budget. Petty cash is maintained for daily expenses, with records submitted weekly to the principal. Monthly surprise cash verifications are conducted by the Internal Audit team. Payments to suppliers and contractors are authorized by the Principal and Management, recorded in Tally software, and verified through a separate cheque issuance register to ensure timely payments.

Internal Audit Process:

An experienced team of three internal auditors conducts quarterly audits. Responsibilities include:

1. Verifying transaction entries in Tally software.
2. Checking cash/online payments and vouchers.
3. Verifying bank reconciliation statements.

4. Reviewing statutory payments (TDS, GST, EPF, ESI).
5. Cross-checking unpaid student fees.
6. Confirming salary disbursement via HR software.
7. Verifying staff attendance records.
8. Conducting physical stock verification and inventory checks.

External Audit Process:

A Chartered Accountant audits annual accounts to ensure compliance. The Auditor reviews all payments, submits the Audit Report to Management, and resolves any queries with supporting documents promptly.

The Institution has consistently maintained financial compliance without major audit objections.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/About-us/AuditReport/audit_report_23_24.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Our Institution, a self-financed entity, mobilizes funds for

infrastructure development, maintenance, and recurring expenditures primarily through tuition fees collected from students. A nominal fee is also collected for transportation facilities. Financial decisions are made by the Trust, headed by the Chairman, with the Governing Body overseeing and ensuring proper utilization of allocated funds. The Administrative Officer, Accounts Officer, Cashier, and Auditing team collectively manage annual accounts, income-expenditure statements, and related matters.

Sources of Funds:

- Sri Manakula Vinayaga Educational Trust
- Funded projects
- Revenue generated through institutional resource utilization (e.g., examination conduction)

Resource Mobilization Policy and Procedures:

Administrative and academic heads submit annual budget requirements to the Principal. The institutional budget is then prepared, reviewed by the Budget Committee, and submitted to Management for approval.

Optimal Utilization of Resources:

Adequate funds are allocated for effective teaching-learning practices and infrastructure development. The Principal, in consultation with HoDs and the Purchase Committee, evaluates departmental requirements for relevance and feasibility. Competitive bidding with at least three quotations ensures optimal fund utilization before Management approval.

Library funds are utilized to procure learning resources recommended by the Library Committee.

Funds are also allotted for societal activities executed by NSS and UBA.

The R&D cell supports faculty and student projects with seed funding and encourages applications for external project grants like MODROBS, RPS, etc.,

Revenue from conducting exams such as JEE, GATE, and NEET is utilized for maintaining computing systems and power backup facilities.

This system ensures effective and efficient financial resource management.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_4_3/6_4_3_final.pdf
Upload any additional information	View File

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

Practice 1

1. Title: Excelling in Competitions

2. Context: Promoting Innovation and Competitive Spirit

3. Objective:

To motivate and guide students to address industrial and societal challenges by actively participating in competitions.

4. Practice:

An exclusive competition support team has been established to inspire and guide students to participate in competitions organized by industries and organizations. The responsibilities of this team include:

- Conducting awareness sessions and providing guidance on the registration process.
- Arranging specialized training programs
- Offering financial and technical support for project development.

To encourage participation and recognize achievements, the institution honors competition winners with a cash award equivalent to the prize won.

5. Outcome:

This initiative has led to a significant increase in student

participation and notable success in various competitions.

Practice 2

1. Title: Achieving Impactful Outcomes through Projects

2. Context: Promoting Innovation and Teamwork

3. Objective:

To enable students to apply knowledge, skills, tools, and techniques to develop impactful projects.

4. Practice:

Mini Projects: 2nd and 3rd year students undertake mini-projects.

Final Year Projects: Project selection aligns with POs and PSOs. Project team includes advanced, average, and slow learners to encourage collaboration and peer learning.

Focus areas include:

- Commercialization feasibility
- Environmental impact
- Safety considerations

Faculty encourage students to publish project findings and apply for patents for innovative products.

5. Outcome:

This structured approach has resulted in a notable increase in publications and patents from student projects.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_5_1/6_5_1_upload.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Excellence in Academic Performance

The QAC/ARC conducts four meetings each semester; one at the beginning and three following assessments. The QAC/ARC evaluates course files, course information sheets, CO-PO matrices, lesson plans, assignments, and other academic materials. Faculty members incorporate the committee's feedback and suggestions. The QAC/ARC also ensures that Internal Assessment (IA) question papers align with Bloom's Taxonomy and reviews answer scripts to ensure fair evaluation. At the end of the semester, the Academic Administrative Audit Committee conducts a thorough audit and recommends measures to enhance CO/PO/PSO attainments.

Outcomes of QAC/ARC Activities:

- Faculty are well-trained in Outcome-Based Education (OBE).
- Improved academic performance.
- High rankings at the institutional level by the affiliating university.
- Excellence in Industry-Institute Interactions (III).

Departments, Faculty Specialization Groups (FSG), clubs, and committees submit semester-wise action plans to address curricular gaps and enhance PO attainment. Faculty coordinators oversee the activities under Memorandums of Understanding (MoUs) to ensure effective III practices. Industry professionals participate as jury members for technical events, offering valuable feedback on student competencies and skills. The institution actively engages with MHRD's Institute Innovation Council, fostering innovation and entrepreneurship through various programs.

Outcomes:

- High placement rates.
- Recognition in national and international competitions.
- Collaborative activities with industrial forums.

This structured approach to quality assurance and industry engagement ensures continuous improvement, innovation, and excellence across academic and professional domains.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/placement/
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://mvit.edu.in/downloads/annual-report/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 during the year

The Internal Complaints Committee (ICC) has been constituted as mandated under the provisions of the Sexual Harassment of Women along with the University Grants Commission Regulations, 2015. The main objective behind the formation of the Committee is to address the discriminatory behavior and sexual harassment lodged by any member of the college (teaching, non-teaching, and students). Students are given equal preference in all aspects such as admission, curricular, co/extra-curricular and training & placement activities. Responsibilities are assigned to students irrespective of their gender. Women are given due preference in

the workforce. The gender inequality if any is addressed by the ICC/Grievance redressal cell of the institution.

A workforce team is formed for the implementation of every SDG. The team SDG 5 (Gender Equality) and SDG 10 (Reduced Inequalities) have implemented the action plan appropriate to their SDG which comprises of activities to Students, Institution and Community. The activities conducted include Legal Awareness Programmes, Women Health, awareness on online harassment, etc.,

File Description	Documents
Annual gender sensitization action plan	https://mvit.edu.in/wp-content/Files/naac_2023_24/c7/7_1_1/7_1_1_annual_gendersensitization_action_plan.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c7/7_1_1/7_1_1_geo_tag_photo_with_sop_policy.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The institution gives utmost priority in providing a healthy and safe environment by adopting effective waste management and disposal system. The institute follows the Standard Operating Procedure (SOP) for waste management which provides a comprehensive framework designed to ensure the effective segregation, collection, and disposal of various waste types,

including general, recyclable, organic, and hazardous waste.

Solid waste management is accomplished either by inhouse utilization/ consumption or by outsourcing it to an authorized agency. Over 100 bins have been provided across the campus for collection of the solid waste. These bins are colour coded specific to a category of solid waste. The college has tied up with the local contractors for the disposal of non-degradable solid waste at the dumping yard approved by Government. Plastic waste are segregated and sent to industry for recycling. E-Waste management is out sourced to private contractor who collects and disposes the waste as per norms.

A sewage treatment plant of 1000 KLD is in operation for collection and treatment of sewage in the campus. Wastewater received from all the blocks of the institution, hostels, quarters are treated in STP and the treated water is reused for gardening, and landscaping purposes. The STP storage is composed along with other Bio degradable solid waste and used as manure. The college has adopted a minimum and essential use of paper policy which helps in the conservation of resources.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage

A. Any 4 or all of the above

including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities

(Divyangjan) accessible website, screen-reading software, mechanized equipment

5. Provision for enquiry and information :

Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

Our institution has been consistently working to promote and celebrate India's rich cultural and intellectual heritage, integrating Indian Knowledge Systems (IKS) into various events and activities throughout the academic year. Students are encouraged to participate in different intra/inter-collegiate events, to make them sensitized towards cultural, regional, linguistic, communal and socio economic diversities.

The cultural committee of the institution celebrates festivals with discussions on their ecological and social relevance highlighting the traditional wisdom.

Linguistic differences are assimilated by ensuring a common professional language, English, during working hours. However, proper care is taken to ensure that no faculty, staff, or student, feels marginalized because of any linguistic barrier.

In salute to our traditional spiritual norms of mental and physical wellbeing, MVIT celebrates the International Yoga Day.

The institution creates an inclusive environment for communal and

socio-economic diversities by offering financial aid, scholarships in reference to the policy thereby ensuring equal opportunities for economically disadvantaged and marginalized students. Support services like mentorship and counseling are given to cater individual needs.

Our Institute is a participating Institute under Unnat Bharat Abhiyan (UBA) scheme and has adopted seven villages. The Institute has done significant works to improve the rural governance and citizen participation in the adopted villages.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

The institution is keen in sensitizing students and employees of our institution to their constitutional obligations for fostering responsible citizenship. A course on Professional Ethics and Indian Constitution that deals with Moral issues, Ethical theories, constitutional rights, duties etc., is included in the 8th semester of B.Tech (Mechanical)

The Indian Constitution guarantees the right to vote under Article 326. In line with this, National Voters' Day is being celebrated in the institution and it serves as an opportunity to celebrate the Constitution's commitment to democracy, reinforcing the need for active participation in the electoral process as a duty and responsibility of every citizen.

The Indian Constitution is the foundational document that upholds the principles of unity, integrity, and justice. In accordance with this National Unity Day emphasizing the importance of national integration and unity is being celebrated.

National Youth Day, honoring Swami Vivekananda whose ideals resonate with the Constitution's principles of justice, liberty, and fraternity is being celebrated every year.

National Constitution Day to honor the adoption of the Indian Constitution is celebrated by organizing seminars/lectures, that raise awareness about the Constitution's significance and the responsibility of every citizen to uphold them.

NSS volunteers, by participating in community service, contribute to fulfilling the Part IV of the Constitution, which guide to work towards the welfare of citizens and promote social and economic justice. Through initiatives like blood donation camps, environmental awareness, rural development, etc., NSS encourages students to become active citizens, fostering the constitutional values.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://mvit.edu.in/wp-content/Files/naac_2023_24/c7/7_1_9/7_1_9.pdf
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff

A. All of the above

4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Our institution recognizes the importance of celebrating national and international commemorative days, events, and festivals. These events are organized with active participation from students, faculty, and staff, offering a platform for reflecting on key social, historical, and cultural milestones.

Following are the national and international commemorative days organized by our institution during 2023-24.

- MSME Day, World Food Safety Day and World blood Donor day were organized during June 2023
- International Literacy Day, National Engineers Day, World Environmental Health Day and world tourism Day were organized during September 2023
- World students' day, World food day, National Unity Day were organized during October 2023
- World Television Day was organized during November 2023
- World computer literacy day, National Mathematics Day, International Volunteers Day and National Consumers Day were organized during December 2023
- National Youth Day, National voters' day and International customs day were organized during January 2024
- Safer Internet Day, National Productivity Day and National science day were organized during February 2024
- National Safety Day, World PI Day, World Engineering Day, World Consumer Rights day, International Day of Happiness, World water day and world Tuberculosis Day were organized during March 2024
- World Health Day, World Heritage Day, World book and Copyright Day and World intellectual property day were organized during April 2024
- National Technology Day, World Intellectual Property Day, Mother's Day, International Women's Day and World No Tobacco Day were organized during May 2024.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

BEST PRACTICE 1

Institution's engagement in addressing Sustainability Development Goals (SDG)

MVIT is committed to addressing global challenges as outlined in the United Nations SDGs, creating positive impacts for both people and the planet. The institution is dedicated to implementing the SDGs through its initiative, "Puvi Kaapome (???? ??????????)", with the sustainability motto: "Walking the sustainable way - Striding towards SDGs - MVIT on the move." To ensure a focused approach, a dedicated workforce team is established for each SDG. The teams are responsible for planning, implementing, and monitoring action plans tailored to their specific goal. The action plans incorporate activities at three levels: engaging students in SDG-related activities, integrating sustainable practices within the institution, and promoting community outreach programs. Guest lectures, student projects and major institutional activity is meticulously mapped to relevant SDGs.

BEST PRACTICE 2

Excellence through activities of Professional Bodies

Professional bodies like IEEE, IEI, ISHRAE, CSI, NIQR, MMA, SAEISS, etc., play a crucial role in fostering excellence. They provide opportunities for knowledge sharing and networking through conferences, seminars, and workshops. Skill development is promoted via training programs, certifications, and workshops that enhance professional competencies. These bodies also contribute

funding for activities that drive technological advancements, bridging the gap between theoretical learning and practical application. Recognition and awards from these organizations inspire continuous improvement, while publications help disseminate research findings, contributing to the advancement of knowledge in the field. These bodies play a vital role in preparing graduates for the industry workforce.

File Description	Documents
Best practices in the Institutional website	https://mvit.edu.in/wp-content/Files/naac_2023_24/c7/7_2_1/7_2_1_Best_practices_index.pdf
Any other relevant information	https://mvit.edu.in/sustainability/

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Innovation, Product Development and Patent

Innovation & Product Development

The institution integrates NEP 2020 and SDGs into its product development, fostering innovation, sustainability, and societal impact.

The In-House Laboratory Development includes

- Conveyor system using variable frequency drive (delta)
- Design of simple power system automation
- Substation system with PLC control panel design
- Human machine interfacing control panel
- Car parking application system using AB PLC
- Delta PLC control panel unit
- Automatic pneumatic stamping system using PLC controller
- Dual paper plate machine
- Automatic bell alarm

The Products developed for Industries include

- "Dojo 2.0" for Lucas TVS
- "IoT-Integrated Delta Control Panel for Smarter Industrial

Automation", & "Automatic Fresh Juice Dispensing Cut-Off Device", for Luck Automation.

- "Customized Production Counter Display for Pneumatic-Assisted Automated Pipe Drilling", for L&T (Metal-Shop, Puducherry).
- "VFD Based Automatic Carton Box Auto Folder Gluer Machine", for Hutitozz Printz & Promoz.
- "Smart Power Monitoring System for Home and Industry", for Vin Technology.
- "Smart Substation Using Delta Plc Control Panel", "RO Controller with Remote: TDS Meter, RO SMPS, Water Purifier, UV, Membrane, Filter Change Alarm (WHITE)" and Digital Flow Water Meter", for MNGP, Puducherry.
- "PLC-Based Training Panel for Practical Automation Skills Development", for Amit University .

Patent (2023-24)

The institution fosters innovation by supporting in securing patents.

Design Patents Filed : 18

Design Patents Granted : 18

Product Patents Filed : 18

Product Patents Published : 17

Product Patents Granted: 05

Copyrights Filed : 07

Copyrights Granted: 07

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Our Institute is affiliated to Pondicherry University and follows the curriculum framed for affiliated colleges. Our senior faculty members being the members of Board of studies (BOS) of university, are involved in the revision of curriculum and syllabus. The Institute is committed to the diligent implementation of the Pondicherry university UG/PG Curriculum Framework 2023-24, which aligns with the National Education Policy 2020, commencing from the academic year 2023-24.

Academic planning committee prepares the academic calendar based on the university academic schedule. Based on this, department academic calendar is prepared. Timetable including hours for lectures, special lectures, sports, library, seminars, practical's etc., are prepared and finalized by the timetable committee. Each faculty member prepares lesson plan and course information sheet with outcomes. Teachers deliver the lectures through blended and student centric learning. For laboratory courses, working model, charts, animation, virtual labs, etc., are used.

Feedback from the students is collected twice in a semester. Quality Circle Meeting (QCM) is conducted twice in a semester after the feedback. Faculty and Student representatives express their views on subjects, academics and other issues. Examination cell of the institution conducts two internal assessments and one model exam every semester. The quality of question paper, correctness of evaluation, outcome attainment are verified by Academic Review Committee (ARC) and Academic Administrative Audit Committee (AAA). The ARC verifies the preparedness of faculty for handling the subject in first meeting and effectiveness of delivery in subsequent meetings.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c1/1_1_2/1_1_2_AdditionalInformation.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

13

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year**1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)**

68

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

2567

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

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

The course on Professional ethics is available in the curriculum. It deals with Engineering Ethics, Code of Ethics, responsibilities and rights etc., The activities for this subject include discussions, presentations and case studies focusing on ethical concerns.

Gender

The Internal Complaints Committee (ICC) has been constituted as mandated under the POSH act along with the UGC Regulations, 2015. Institution gives equal preference to Boys and girls in all aspects. The gender inequality if any is addressed by the

ICC/Grievance redressal cell of the institution.

Human Values

Student Induction Program (SIP) which includes Universal Human Values is conducted every year to the freshers to help them in the development of worldview, mindset, perspective and values. The outcome is reflected by their responsibility in the classes and participation in various societal activities.

Environment and sustainability:

Core/Elective courses on Environment and Sustainability is included in the curriculum. The institution is part of MeriLiFE that empowers individuals to lead a sustainable lifestyle. Certificate of Appreciation has been issued by Government of Puducherry to acknowledge our continued commitment to maintain the college as a "Single Use Plastic Free Campus" and to promote Mission "Lifestyle For Environment" awareness among the students. The institute is committed to the implementation of SDGs under the name "Puvi Kaapome (???? ????????)" with its Sustainability motto, "Walking the sustainable way - Striding towards SDGs - MVIT on the move". A workforce team is formed for the implementation of every SDG.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

646

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

2568

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://mvit.edu.in/feedback/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
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File Description	Documents
Upload any additional information	View File
URL for feedback report	https://mvit.edu.in/feedback/

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

2572

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

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

802

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution has an established process to monitor and support both Advanced and Slow learners, fostering academic growth for all students.

Slow Learners: Students scoring below 50% in three or more subjects in Internal Assessment (IA) tests or with more than two arrears in University Examinations are identified as slow learners. After each test, mentors provide personalized guidance and counselling. Special classes are conducted after college hours, focusing on exam-oriented coaching with simplified study materials. Dedicated coaching sessions are organized to help clear arrear subjects before the University Examinations.

Impacts: This targeted approach has resulted in significant improvements in performance during internal assessments and University Examinations. A substantial increase in the number of students clearing arrear papers has been observed.

AdvancedLearners: Students scoring above 70% in all subjects in IA tests or with a strong academic track record are recognized as Advanced learners. They are encouraged to go beyond the curriculum by participating in International and National level competitions, seminars, paper presentations, and conferences. Academic toppers are honoured each semester with merit certificates and prizes to acknowledge their excellence.

Impacts: Advanced learners have demonstrated commendable achievements in academics and co-curricular activities. Their participation has contributed to a noticeable increase in university ranks and placement opportunities.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c2/SOP/S10_Fast_Slow_Learners.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2572	196

File Description	Documents
Any additional information	View File

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

Manakula Vinayagar institute of Technology gives priority for students learning experiences and provides a transformative learning environment. To promote personalized learning experience with skill development to address real-world challenges, student centric methods are adopted. Experiential learning through simulations, on-site learning, Laboratory experience etc. create a transition from traditional classroom boundaries. The embracement of experiential learning has improved the engagement of students in academia and help them tounderstand the real-life problems.

Collaboration through participative learning has broken the passiveness of the students and has transformed them into active learners. Group discussions, interactive workshops, and projects help students develop communication skills.

The strategy of using problem solving methodologies like inquiry-based learning, Project based learning, Case based learning and so on have contributed to the development of Critical thinking ability among students. Offering the students community with the industry-relevant problems integrated in curriculum breeds their ability to diagnose issues and generate innovative solutions. There is a visible impact on the student's confidence and their approach to failures as these methodologies promote a growth mindset and give intrinsic motivation. Additionally, the students develop professional skills like adaptability, resilience, metacognitive awareness and so on. The pedagogical transformations prepare students for increasingly complex and unpredictable professional landscapes. The holistic impact extends beyond academic performance and the practices have improved the innovation and creative mindset of students further inculcating a lifelong learning attitude.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://mvit.edu.in/wp-content/Files/Downloads/revised_academic_guidelines_june_1_2022.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

ICT-enabled tools support a more thorough comprehension of difficult ideas and provide a dynamic, captivating, and effective learning environment that meets a range of learning demands. The institute has WiFi enabled campus with an Internet speed of 1.2 Gbps. The classrooms, laboratories, Seminar Halls, Auditorium and conference Room are well equipped with ICT facilities. Faculty Members are oriented towards usage of various LMS platforms like Google Classroom, Edmodo, Moodle, etc., to create an online classroom environment and facilitate teaching beyond the walls of the classroom. Blended learning, collaborative learning approaches, Problem based learning, Project based learning and Mind Map are practiced by the faculty members to enhance participative learning among the students. Animations and visualizations are used to demonstrate the algorithm, working of a component, functioning of a circuit or process.

Interactive Power point presentations with web based ICT tools like PREZI, Slidesgo, etc., as well as animated videos using Pictori, Animaker and video lectures are used during the lecture sessions. ICT tools such as Kahoot, NearPod, Google form, Mentimeter, typeform, Quizzez are used for formative assessment use of E-Learning Resources like NPTEL lectures, on-line journals and MOOCs (on-line lectures) for effective learning among students. The use of simulation software, evaluation tools and mind-mapping tools (e.g. MatLab, Mathematica, MathCad, Octave, OrCAD, SPICE, AutoCAD, Solid Works, Inspiration, MindManager, Gitmind, Diffit, Draw.io, etc.,) are used in networked computing laboratory to demonstrate and carryout experiments.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

13

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

196

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

40	
File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File
2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)	
2.4.3.1 - Total experience of full-time teachers	
1958	
File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File
2.5 - Evaluation Process and Reforms	
2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.	
<p>MVIT's examination cell operates with precision, guided by a senior professor as Coordinator and supported by department-level coordinators. The cell oversees the planning and execution of assessments, ensuring timely communication with students and faculty, as well as the seamless handling of question papers.</p> <p>The institution strictly adheres to the assessment guidelines set by the affiliating university, allocating 25% weightage to continuous internal assessments and 75% to end-semester exams for 2013regulation. It also follows40% weightage to continuous internal assessments and 60% to end-semester exams for 2023regulation.The examination schedule is meticulously planned, comprising two Internal Assessments (IA) and one model exam per semester, aligned with the academic calendar and the university's timeline for transparency.</p>	

Question papers are prepared with care: IA exams feature ten 2-mark questions and three 10-mark questions within a 100-minute duration, while model exam papers follow the university's format to assess various levels of student understanding. Answer scripts are evaluated promptly within two days, with the QAC/ARC ensuring quality and accuracy. Students with low scores are provided counselling, special coaching, and opportunities for retests to improve performance.

Practical courses are assessed through continuous evaluations and model practical exams, while project work is reviewed periodically for progress and quality. Performance reports are regularly communicated to parents, with follow-up meetings arranged as needed.

This systematic approach ensures fair, transparent, and efficient evaluation processes, supporting academic excellence and fostering continuous improvement among students.

File Description	Documents
Any additional information	View File
Link for additional information	https://mvit.edu.in/wp-content/Files/Downloads/OBE_manual.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

Each department at the institution has a Quality Circle Committee (QCC) comprising faculty and student representatives for each class. QCC meetings are conducted twice every semester, providing a platform for members to share their views on departmental activities, syllabus coverage, teaching methodologies, evaluation processes, and other academic aspects.

The ARC ensures the quality of question papers and upholds fairness and transparency during answer script evaluation. Students with grievances related to internal evaluation approach the respective course in-charges for resolution. If unresolved, they escalate the matter to the Head of the Department. To improve internal assessment marks, students are allowed to take retests.

For grievances related to end-semester examinations, students

apply for reevaluation in accordance with the affiliating university's procedures. Issues such as missing data in question papers, out-of-syllabus questions, or printing errors are reported to the Controller of Examinations, Pondicherry University, through the appropriate course in-charges and examination cell.

Course in-charges also submit their feedback on university examination question papers to the examination cell after each exam. Any grievances related to the university examination portal are addressed by the examination cell to ensure smooth operations.

This structured grievance redressal system promotes transparency and fairness while ensuring that the student's concerns are effectively addressed. It fosters an environment of continuous improvement, reinforcing academic quality and student satisfaction.

File Description	Documents
Any additional information	View File
Link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c2/SOP/S16_Student_Assessment.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Course in-charges develop Course Outcomes (COs) prior to the commencement of each academic session, ensuring they are specific, measurable, and achievable. These COs guide the planning of teaching activities and assessment methods, aligning with the Vision, Mission, Program Educational Objectives (PEOs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) of the department.

The QAC/ARC evaluates the COs to ensure adherence to Bloom's Taxonomy, appropriate use of action verbs, and feasibility for attainment. At the start of each semester, students are informed about the COs, which are prominently displayed in lesson plans, course information sheets, course file documents, and question papers.

To achieve the COs, course in-charges integrate diverse activities such as guest lectures, mini-projects, workshops, industrial visits, online courses, quizzes, seminars, assignments, and group activities into their teaching strategies. The AAA committee assesses the effectiveness of the teaching-learning process, verifies CO attainment, and promotes continuous improvement.

Student feedback on COs is collected through course exit surveys to ensure the relevance and effectiveness of the outcomes. Additionally, POs and PSOs are widely disseminated through the college website, as well as in departmental spaces such as HOD rooms, faculty rooms, laboratories, and classrooms.

This systematic approach ensures that COs are well-defined, effectively communicated, and consistently achieved, fostering a robust academic framework for continuous quality enhancement.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://mvit.edu.in/wp-content/Files/Curriculum%20and%20Syllabus/B.Tech_CSEsyllabus.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Manakula Vinayagar Institute of Technology concentrates on building quality through outcome-based education with the help of its meticulously designed assessment framework. By implementing systematic planning, clear outcome definitions, standardized assessment tools, transparent evaluation processes, and a robust continuous improvement mechanism, the institute ensures comprehensive academic quality. Our strategic approach transforms educational delivery, creating a dynamic learning ecosystem that consistently tracks, evaluates, and enhances student learning experience and institutional performance.

The Departments systematically evaluates its Programme outcomes

and Course outcomes to ensure its academic quality and continuous improvement strategies. This periodical evaluation helps in providing a comprehensive learning environment and enhancing the curriculum by bridging the gaps through various activities. Moreover, individual and collective student progression is also monitored effectively. The evaluation process integrates well-structured assessment strategies with various tools. This includes

1. Direct Assessment techniques: Being an affiliated Institute under Pondicherry University the students are assessed based on Internal examinations, end semester examinations, assignments, quiz, performance rubrics, research project assignments, seminars, Practical examinations, project-based assessments and so on. The direct assessment techniques involve the measurement of cognitive skill assessment of individual and group of students. The internal assessments are evaluated for 20% and End semester examinations for 80%.

2. Indirect Measurement Strategies involve Student feedback mechanisms, Alumni surveys, Employer satisfaction assessments, and at times the survey from other stakeholders are also considered for improvements. The indirect assessment is given a weightage of 10% and the direct assessment is given a weightage of 90%.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://mvit.edu.in/wp-content/Files/IT/CurriculumandSyllabus/IT_CURRICULAM_SYLLABUS.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

531

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://mvit.edu.in/downloads/annual-report/

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://mvit.edu.in/naac/student-satisfaction-survey/>

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 year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

1.18275 lakhs

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

4

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

4

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://mvit.edu.in/wp-content/Files/naac/c3/3_1_3/3_1_3_FundingAgencyWebsiteLink.pdf

3.2 - Innovation Ecosystem

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

The institution actively promotes project-based learning to enhance students' practical skills and innovation. Regular seminars on Intellectual Property Rights (IPR) and research methodologies are organized to build awareness and expertise among the students and faculty members of our institution. Final-year students undertake projects based on problem statements provided by organizations and agencies through initiatives like the Smart India Hackathon. Project Expo is conducted annually, where selected projects and mini-projects are submitted for patents or copyrights, while others are published in reputed journals and conferences.

To nurture entrepreneurial skills, students are guided on entrepreneurship and encouraged to register under the Micro,

Small, and Medium Enterprises (MSME) framework. Innovation-focused competitions are also conducted to inspire creativity and technical excellence among students.

Faculty apply for research funding and along with students engage in research projects, leading to the development of innovative solutions and products.

The Technical Lecture Series(TLS) facilitates the faculty to explore interdisciplinary and multidisciplinary project ideas. The institution's R&D lab supports the development of in-house laboratory equipment and projects tailored for industry requirements.

As part of its Institute Innovation Council (IIC), the institution fosters a culture of innovation through various activities, promoting collaboration and continuous learning. This integrated approach empowers students and faculty to contribute significantly towards research, entrepreneurship, and technological advancement.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/research-development/

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

68

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year**3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

4

File Description	Documents
URL to the research page on HEI website	https://mvit.edu.in/research-development/#
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

104

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year**

101

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 year

Manakula Vinayagar Institute of Technology actively participates in the Unnat Bharat Abhiyan (UBA) scheme and has adopted seven villages in the Union Territory of Puducherry. Guided by the UBA Coordinator, NSS Officer, and faculty volunteers, student teams plan and execute various technical intervention activities in these villages.

The institution conducts livelihood development programs such as phenyl making, soap oil making, LED lamp assembly, Agarbathi making, Diya making, paper bag making, etc., to empower local communities. Faculty and students also engage in training employees at Lucas TVS (TVK Plant), helping them to enhance their skills. Additionally, an one-month summer camp (Eureka) for the children of these employees was organized in the college campus, fostering learning and recreation.

As part of the Student Induction Program, activities such as temple cleaning, tree plantation drives, and awareness programs on critical issues like drug abuse, saving the girl child, rallies on water and energy conservation were carried out in the adopted villages. "Save Agriculture - Agriculture Land Visit" further highlighted pressing social and environmental concerns.

The institution also prioritizes health awareness by organizing sessions in schools, adopted villages, and local communities in collaboration with NGOs and hospitals.

These initiatives reflect the institution's commitment towards community development, environmental conservation, and social responsibility, creating a meaningful impact in the adopted villages and beyond.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/facilities/
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from

government / government recognized bodies during the year**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

5

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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 organized in collaboration with industry, community and NGOs) during the year**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., during the year**

33

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

2787

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

335

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

40

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institution is equipped with extensive infrastructure and facilities to support teaching and learning. Spanning 10.22 acres, the campus offers 21,357.02 sq.m of constructed space, including a 311.17 KW solar power plant. The instructional area covers 12,639.37 sq.m, featuring workshops, drawing halls, laboratories, classrooms, seminar halls, and tutorial rooms designated to provide a comprehensive learning experience. Administrative spaces occupy 1,724.46 sq.m, housing boardrooms, offices, faculty rooms, and reception areas. Additional amenities span 1,283.95 sq.m, while circulation areas extend over 4,290.75 sq.m.

Classrooms are spacious, well-ventilated, and equipped with modern technology, including LCD projectors, audiovisual aids, and Wi-Fi to enhance the learning environment. The campus also features well-equipped laboratories, auditoriums, conference rooms, and seminar halls with capacity ranging between 60 to 800. A dedicated language lab assists students in improving their language skills.

The entire campus is under CCTV surveillance for security. The Technology Business Incubator Cell, supported by MSME, nurtures startups like Ignite Skylabs within a 111.48 sq.m area, fostering innovation. The Industry-Institute Interaction Cell enhances training opportunities and facilitates campus recruitment by collaborating with industry partners.

The library, covering 780.38 sq.m, houses a vast collection of books, journals, and digital resources. The campus is equipped with 764 computers, Wi-Fi, and high-speed internet (1.2 Gbps), supporting both academic and research needs. Additionally, separate offices for IPR, UBA, Alumni, and NSS Cell reflect the institution's commitment towards holistic development.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c4/4_1_1/4_1_1_b.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Students are highly encouraged to participate in and showcase their cultural talents, with all activities being coordinated and supported by the Cultural Club. The institute is equipped with two air-conditioned auditoriums, each with seating capacities of 800 and 400, designed to host a variety of cultural events. The practice sessions for these events and competitions are conducted in the common rooms, providing ample space for rehearsals. To support students' artistic expression, the college offers a range of musical instruments, including acoustic guitars, electric guitars, flutes, drums, etc.,

The college also boasts exceptional sports infrastructure, with a strong emphasis on promoting student involvement in various games, sports, and track and field activities. The expansive campus features dedicated playfields for cricket, hockey, football, basketball, volleyball, tennis, and badminton. To assist students in honing their skills, expert physical education faculty and coaches are available to provide training and coaching across different sports and fitness programs.

Additionally, the on-site gym is fully equipped with treadmills, barbells, and other fitness equipment, ensuring students have access to the resources needed for their physical development. Safety protocols are strictly followed during practice, tournaments, and competitions. The college allocates one hour in a day for sports activities to the students and with special permissions granted for national-level competitions. Financial support is also provided for sports students. Yoga training is offered through the Sahaja Yoga Centre and Art of Living, Puducherry Centre for promoting overall well-being of all the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac/c4/video/Sports.webm

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

47

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac/c4/video/ClassRooms.webm
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

583.81

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The institute's central library spans 10,272 sq.ft and provides modern infrastructure with a seating capacity for 150 students. It houses an extensive collection of 25,911 books, 37 IEEE Transactions, 86 national and international journals, 25 technical magazines, 14 general magazines, 1,375 CDs/DVDs, 1,562 project reports, and subscriptions to DELNET and J-Gate (Science & Technology), offering access to 15,415 e-journals. The library is divided into various sections, including circulation, reference, newspaper corner, OPAC, journals, and new arrivals.

Library services are fully automated through the Manakula Vinayagar Library Management Suite (ILMS). Activities like circulation, cataloging, serial control, and online public access catalog (OPAC) are efficiently managed using specialized software and barcode readers. The library is Wi-Fi enabled and under CCTV surveillance, ensuring a connected and secure environment for users. It holds institutional memberships with prestigious libraries and databases such as the British Council Library, DELNET, IEEE, J-Gate, and MALIBNET.

The digital library section is equipped with 30 systems to provide access to e-journals and e-books. Additionally, photocopying services are available for users' convenience, and there is a facility to access NPTEL web and video lectures also. The Library Committee, consisting of the Professor In-charge, Librarian and Department Coordinators, ensures the regular updating of books, journals, and other resources, maintaining the library's efficiency and supporting the seamless functioning of its services.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c4/4_2_1/4_2_1_b.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

B. Any 3 of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

18.47

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

1365

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The Institute boasts state-of-the-art computing facilities, including 764 computers, 8 servers, and 40 printers, all connected through a robust network supported by routers, switches, and firewalls. These systems are regularly updated and maintained by a dedicated team of System Administrators to

ensure optimal performance. The campus is fully covered with uninterrupted Wi-Fi, and the Microsoft campus license agreement is renewed annually to ensure that, the latest software is available for academic and research purposes.

With a 1.2 Gbps internet speed, the campus is equipped to meet out the academic and research needs. The Institute follows a Standard Operating Procedure (SOP) for the maintenance of IT infrastructure, ensuring a reliable and secure computing environment. The advanced facilities also support national-level exams conducted by various government agencies, including GATE, JEE, JIPMER, NPTEL, and others, making them accessible for large-scale test takers.

For enhanced security, CCTV surveillance cameras are installed across the campus, with DVRs that can be remotely accessed via the internet. This system ensures the safety and security of students and staff by monitoring and preventing undesirable activities. Additionally, a Sonic firewall is implemented at the router to prevent unauthorized internet access. All these facilities are routinely maintained and upgraded to keep up with evolving technological needs, ensuring a secure, efficient, and productive environment.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c4/4_3_1/4_3_1_b.pdf

4.3.2 - Number of Computers

764

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

87.63

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The Institute adheres to standard operating procedures (SOPs) for the effective utilization of its physical, academic, and support facilities. Classrooms, seminar halls, and the auditorium are maintained on a daily basis to ensure optimal functioning. Laboratory equipment maintenance is initiated by the respective Laboratory In-charges whenever needed. Lab assistants handle minor repairs, while major repairs and maintenance tasks are coordinated by the concerned Lab In-charges and Heads of Departments (HODs), with the external service experts.

The institution's computer systems are connected through a 24/7 internet, supported by UPS systems and servers to ensure continuous operation. The IT maintenance staff, led by the System Administrator, is responsible for system upgrades,

networking, and preventive maintenance, ensuring the smooth running of all IT infrastructure.

The Library Development Cell, overseen by the Professor in charge, librarian, and department coordinators, plays an active role in acquiring and managing resources. The library assistants, under the supervision of the librarian, conduct regular maintenance to ensure the library's resources and facilities are in good condition.

The Physical Education Department, managed by Physical Director, is responsible for procuring sports equipment and maintaining the playfields. Electricians oversee power-related issues, conducting routine inspections and implementing necessary safety measures. The Maintenance Cell handles the overall maintenance of the buildings, campus cleanliness, and minor furniture repairs, which are carried out in the on-site workshop. Monthly reports detailing maintenance activities and utilization are submitted to the Head of the Institution to ensure efficient management and continuous improvement of all facilities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c4/4_4_2/4_4_2_a.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

812

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

1304

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://mvit.edu.in/
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

2562

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

2562

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression**5.2.1 - Number of placement of outgoing students during the year****5.2.1.1 - Number of outgoing students placed during the year**

475	
File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File
5.2.2 - Number of students progressing to higher education during the year	
5.2.2.1 - Number of outgoing student progression to higher education	
19	
File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File
5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)	
5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year	
04	
File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

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 year

5.3.1.1 - 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 year.

29

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Manakula Vinayagar Institute of Technology's Student Council is dedicated to fostering a comprehensive approach to enrich the lives of students on campus. This dynamic forum cultivates positive attitudes, leadership skills, social attitude, and cultural talents, prioritizing the holistic development of every student. Throughout the year, diverse range of events are organized, creating an adaptive environment for aspiring engineers to learn, refine their talents, and showcase their competencies. Each department has a Technical Association led by student office bearers, organizing various technical events. Professional body chapters of SAE, CSI, IETE, ISTE, IEEE, IE(I), NIQR, ISHRAE, etc., conduct activities with industry experts, coordinated by student representatives. Clubs including Maths, Language, Energy and cultural host events like puzzles, quizzes, debates commemorating National & International days and cultural programmes.

The NSS unit instills social responsibility, engaging in activities such as tree plantation, Swatch Bharath Mission, and

health camps. The Sports Committee, comprising student representatives, forms teams, practice, and participate in regional/national tournaments. The Transport Committee addresses grievances related to transportation, while Innovation Club encourages innovative thinking. The Quality Circle Committee, involving HOD, faculty, and student representatives, addresses student feedback to enhance the teaching-learning process and maintain a conducive learning environment.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/student-council/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

142

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

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

Our accomplished alumni have secured lucrative positions in esteemed organizations, both in India and abroad. The MVIT alumni association, a registered society, staunchly supports the college in realizing its goals, vision, and mission. The association's primary aim is to cultivate robust ties among

alumni, students, and the institute, forming a powerful network that ensures continuous engagement and provides tangible benefits.

Annual alumni meet, held preferably in December, bring together all batches, enhancing effective participation. The Alumni's influence extends to the IQAC and department's Advisory committee, where their insights shape policies and procedures. Frequent interactive sessions with juniors feature alumni sharing expertise on skills, latest technologies, corporate trends, and working culture. Financial contributions from alumni support activities and book donations.

Alumni participate in mock interviews, mentoring sessions, and Group Discussions for their juniors. Industrial visits are facilitated by alumni, offering insights into current practices. Experienced alumni provide orientation and motivation sessions, guiding students in career choices. Those alumni studying in higher educational institutions offer valuable guidance on entry-level tests for further studies to their juniors. Entrepreneurial alumni sign MoUs for technical and in-plant training, while start-up founders share their experiences to the juniors through the activities of the Institute Innovation council. Our alumni embody success and continue to enrich the institution's legacy.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/alumni/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	A. ? 5Lakhs
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File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Our institution, underpinned by a well-defined vision and mission, has developed these statements with invaluable contributions from diverse stakeholders, including faculty members, employers, industrial experts, alumni, parents, and students. The process also integrates an understanding of social needs at regional, national, and global levels. Sponsored by the prestigious SMVE Trust, a leading educational trust in Puducherry managing 13 institutions, the institution benefits from a robust governance structure. The Governing Body, comprising trust members, university representatives, industry leaders, institution heads, and faculty, convenes annually to evaluate proposals, approve developmental initiatives, review achievements, and ensure alignment with the trust's vision.

Our mission encompasses excellence in academics, research, innovation, development, employability, entrepreneurship, and community service, as detailed in a comprehensive strategic plan. These objectives are achieved through 40 active cells, clubs, and committees, each led by a coordinator and supported by team members. These entities collaboratively design and execute action plans aligned with the institution's strategy.

Regular review meetings, chaired by the coordinators and the principal, ensure the timely implementation of activities and adherence to planned objectives. Outcomes are periodically assessed in meetings led by the principal, and corrective measures are implemented as needed. Detailed reports are subsequently presented to the Governing Body for approval and ratification. This integrated approach ensures the institution remains dynamic and responsive to its mission, fostering continuous improvement and alignment with stakeholder expectations and needs of the society.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_1_1/6_1_1_upload.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as

decentralization and participative management.

The institution operates under a decentralized structure, with the Principal overseeing both academic and administrative functions. Heads of Departments (HoDs) ensure the effective execution of departmental activities while also contributing to institution-wide administrative responsibilities. The institution's 40 committees, clubs, and cells, each governed by the clearly defined responsibilities in the Governance Manual, are managed by designated coordinators. Regular meetings facilitate collaboration among HoDs, faculty, non-teaching staff, technical assistants, library personnel, and students. Administrative functions are efficiently carried out under the supervision of the Administrative Officer, Librarian, and Hostel Supervisor.

Case Study: Training & Placement Cell The Training and Placement Cell is dedicated to aligning students' career aspirations with industry demands. Led by the Training and Placement Officer (TPO) and supported by departmental placement coordinators, the cell organizes training programs and collaborates with recruiters for campus placements.

Key activities include:

- Implementing placement strategies.
- Preparing students for aptitude tests, soft skills development, and psychometric assessments.
- Conducting mock interviews.
- Arranging career counseling sessions.
- Offering industry-specific training.
- Partnering with platforms like SkillRack and Cocubes for online assessments and recruitment.

Outcomes The cell's efforts have resulted in increased internships and industrial visits, a strong placement record with competitive salary packages, the establishment of centers of excellence for international certifications, and recognition in various competitions. This comprehensive approach equips students with the skills and opportunities needed for successful careers.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_1_1/6_1_1_placed_student.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The strategic / perspective plan of the Institution focused on Admissions, Academics, Placement, Research & Development, students developmental activities, faculty development and infrastructure development are updated in every five years. In the meetings with HOD's and staff members, the strategic plan is discussed, activities in respect of the various parameters are reviewed and corrective actions are suggested to attain the targets.

Case study:

The strategic plan is successfully implemented for Research, Development & Innovation Activities.

The responsibilities of R&D Cell are

- Arranging regular R&D meetings, to review the progress.
- Arranging for R&D workshops/seminars to the faculty members periodically.
- Identifying interested students / faculty members and guide them to carry out the innovative projects.
- Coordinate with EDP cell and TBI cell to take up the project ideas into real time implementations.

One of the activities successfully implemented based on the strategic plan is filing of patents for the innovative products/projects developed by the Institution.

An exclusive IPR cell is functioning under the auspice of R&D cell and its objectives are

- To create awareness among the faculty and students on IPR through periodic workshops/seminars.

- To encourage and facilitate students and faculty members to apply for patents, address FER queries and support during hearing.

Outcome:

Product patent Filed: 17

Granted: 05

Published: 17

Design Patent Filed: 18

Granted: 18

Copyrights Filed: 07

Copyrights Granted: 07

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mvit.edu.in/wp-content/Files/product_development.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Manakula Vinayagar Institute of Technology emphasizes the critical role of effective governance to ensure quality teaching, learning, and research outcomes. To achieve this, the institution has developed a comprehensive governance manual, policies, and standard operating procedures (SOPs) that ensure transparency, accountability, and stakeholder satisfaction.

The leadership and governance framework adopts a participative approach, engaging stakeholders through well-structured systems. The Governing Body of the institution approves developmental initiatives and oversees their implementation. A

strategic plan outlines the key focus parameters , action plans to achieve the target and designated responsibility centers, is providing a roadmap for institutional growth.

A well-defined organizational structure incorporates internal, external, and student members across various committees and boards. Regular meetings are held to review the progress of activities, and detailed reports are submitted to the Governing Body for evaluation and guidance.

The institution adheres to a robust HR policy aligned with AICTE and UGC norms, ensuring a transparent recruitment process, well-defined promotion criteria, and incentive structures. All policies, SOPs, and service rules are disseminated through the institute's website and also through periodic meetings, for providing clarity and accessibility to the stake holders.

Decentralization and delegation of authority are key aspects of the governance model, facilitating efficient functioning through a bottom-up approach. The Management, Principal, and HoDs collaboratively plan and execute activities, ensuring alignment with the institution's vision. This participative governance structure fosters accountability, innovation, and a commitment to excellence in all institutional endeavors.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/Downloads/2024_Governance_Manual.pdf
Link to Organogram of the institution webpage	https://mvit.edu.in/wp-content/Files/Aboutus/Organogram.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The Institution firmly believes that the overall well-being of individuals drives the sustainable growth of the Institution. To maintain high morale, motivation, and staff retention, the Institution has implemented various welfare schemes for Teaching and Non-Teaching staff.

Leave Benefits:

- Casual leave, earned leave, Sick leave, Maternity leave.
- On-Duty leave for teaching staff to attend seminars, conferences, etc.
- Compensatory off for working on holidays.

Monetary Benefits:

- Employees' Provident Fund and ESI: Management matches the employees' contribution.
- Group Insurance: Premium fully paid by the Management.
- Special increments for PhD awardees.
- Interest-free emergency loan facility.
- Fee concessions for staff members' children.
- Concessional medical treatment at Sri Manakula Vinayagar Medical College Hospital.
- Free transport facility for all staff.

Other Welfare Measures:

- Annual free health check-ups at Sri Manakula Vinayagar Medical College Hospital.
- Staff Recreation Club organizes annual tours and events.

- Awards and certificates are presented to staff members for their outstanding contributions.
- Awareness programs on health, investments, technology, and stress management.
- Employment consideration for dependents of deceased employees based on merit and post availability.
- Subsidized food is provided on request for faculty and staff.

These initiatives reflect the Institution's commitment to the holistic development and welfare of its employees, ensuring a supportive and rewarding work environment.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_3_1/6_3_1_final.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

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

81

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

56

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

196

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Faculty members in Higher Educational Institutions (HEIs) today

undertake innovation, conduct research for self-renewal, and stay updated with technological advancements. This enhances their expertise to effectively implement curricular requirements while also contributing to industry and community. A well-structured Self-Appraisal System is essential for maximizing faculty contributions and fostering individual and institutional development. Our institution has implemented a meticulously designed Self-Appraisal Form to record faculty achievements in academic activities, student development, departmental growth, and self-development. Faculty members document their accomplishments, calculate scores as per predefined metrics, and derive their Faculty Performance Index (FPI) on a five-point scale.

The Self-Appraisal System motivates faculty to excel in teaching, research, innovation, and developmental activities. The FPI impacts:

Annual increments.

Special increments and rewards for exceptional performance.

Continuous performance monitoring and improvement.

Assessment Period

The evaluation is conducted annually after the academic year concludes on May 30th.

Components of Assessment

Following AICTE guidelines, performance is evaluated under:

- Academic Activities
- Research Activities
- Extension Activities
- Administrative Activities

For Non-Teaching Staff, appraisal includes responsibilities handled, lab course assistance, skill development programs, qualification upgrades, and contributions to institutional growth.

Assessment Process

Self-Appraisal Form filled by faculty.

Student Feedback and University Exam Results.

Performance evaluated by HoD and Principal through interactive sessions.

Follow-Up Actions

FPI 4-5: Annual increment.

FPI 3.5-4: Increment with suggestions for improvement.

FPI <3.5: Notice for improvement; persistent underperformance may lead to termination.

Exceptional contributions in research or outreach are rewarded with special increments.

This system ensures faculty are recognized, motivated, and aligned with institutional goals.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/proof_teaching_appraisal_link.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The Institution has established a robust mechanism for budget proposals, fund allocation, and internal and external audits to ensure effective and compliant financial management.

Budget Proposal and Fund Allocation:

Before each financial year, the principal submits a budget proposal to the Management based on recommendations from Heads of Departments. The budget includes recurring expenses such as salaries, advertisements, repairs, maintenance, stationery, printing, and lab consumables, along with non-recurring expenses like equipment purchases, furniture, and

infrastructure development. Funds are allocated by the Management after reviewing the proposal.

The Accounts Department monitors expenditures against the approved budget. Petty cash is maintained for daily expenses, with records submitted weekly to the principal. Monthly surprise cash verifications are conducted by the Internal Audit team. Payments to suppliers and contractors are authorized by the Principal and Management, recorded in Tally software, and verified through a separate cheque issuance register to ensure timely payments.

Internal Audit Process:

An experienced team of three internal auditors conducts quarterly audits. Responsibilities include:

1. Verifying transaction entries in Tally software.
2. Checking cash/online payments and vouchers.
3. Verifying bank reconciliation statements.
4. Reviewing statutory payments (TDS, GST, EPF, ESI).
5. Cross-checking unpaid student fees.
6. Confirming salary disbursement via HR software.
7. Verifying staff attendance records.
8. Conducting physical stock verification and inventory checks.

External Audit Process:

A Chartered Accountant audits annual accounts to ensure compliance. The Auditor reviews all payments, submits the Audit Report to Management, and resolves any queries with supporting documents promptly.

The Institution has consistently maintained financial compliance without major audit objections.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/Aboutus/AuditReport/audit_report_23_24.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	No File Uploaded

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Our Institution, a self-financed entity, mobilizes funds for infrastructure development, maintenance, and recurring expenditures primarily through tuition fees collected from students. A nominal fee is also collected for transportation facilities. Financial decisions are made by the Trust, headed by the Chairman, with the Governing Body overseeing and ensuring proper utilization of allocated funds. The Administrative Officer, Accounts Officer, Cashier, and Auditing team collectively manage annual accounts, income-expenditure statements, and related matters.

Sources of Funds:

- Sri Manakula Vinayaga Educational Trust
- Funded projects
- Revenue generated through institutional resource utilization (e.g., examination conduction)

Resource Mobilization Policy and Procedures:

Administrative and academic heads submit annual budget requirements to the Principal. The institutional budget is then prepared, reviewed by the Budget Committee, and submitted to Management for approval.

Optimal Utilization of Resources:

Adequate funds are allocated for effective teaching-learning practices and infrastructure development. The Principal, in consultation with HoDs and the Purchase Committee, evaluates departmental requirements for relevance and feasibility. Competitive bidding with at least three quotations ensures optimal fund utilization before Management approval.

Library funds are utilized to procure learning resources recommended by the Library Committee.

Funds are also allotted for societal activities executed by NSS and UBA.

The R&D cell supports faculty and student projects with seed funding and encourages applications for external project grants like MODROBS, RPS, etc.,

Revenue from conducting exams such as JEE, GATE, and NEET is utilized for maintaining computing systems and power backup facilities.

This system ensures effective and efficient financial resource management.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_4_3/6_4_3_final.pdf
Upload any additional information	View File

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

Practice 1

1. Title: Excelling in Competitions
2. Context: Promoting Innovation and Competitive Spirit
3. Objective:

To motivate and guide students to address industrial and societal challenges by actively participating in competitions.

4. Practice:

An exclusive competition support team has been established to inspire and guide students to participate in competitions organized by industries and organizations. The responsibilities of this team include:

- Conducting awareness sessions and providing guidance on the registration process.
- Arranging specialized training programs
- Offering financial and technical support for project development.

To encourage participation and recognize achievements, the institution honors competition winners with a cash award equivalent to the prize won.

5. Outcome:

This initiative has led to a significant increase in student participation and notable success in various competitions.

Practice 2

1. Title: Achieving Impactful Outcomes through Projects

2. Context: Promoting Innovation and Teamwork

3. Objective:

To enable students to apply knowledge, skills, tools, and techniques to develop impactful projects.

4. Practice:

Mini Projects: 2nd and 3rd year students undertake mini-projects.

Final Year Projects: Project selection aligns with POs and PSOs. Project team includes advanced, average, and slow learners to encourage collaboration and peer learning.

Focus areas include:

- Commercialization feasibility
- Environmental impact
- Safety considerations

Faculty encourage students to publish project findings and apply for patents for innovative products.

5. Outcome:

This structured approach has resulted in a notable increase in publications and patents from student projects.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c6/6_5_1/6_5_1_upload.pdf
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Excellence in Academic Performance

The QAC/ARC conducts four meetings each semester; one at the beginning and three following assessments. The QAC/ARC evaluates course files, course information sheets, CO-PO matrices, lesson plans, assignments, and other academic materials. Faculty members incorporate the committee's feedback and suggestions. The QAC/ARC also ensures that Internal Assessment (IA) question papers align with Bloom's Taxonomy and reviews answer scripts to ensure fair evaluation. At the end of the semester, the Academic Administrative Audit Committee conducts a thorough audit and recommends measures to enhance CO/PO/PSO attainments.

Outcomes of QAC/ARC Activities:

- Faculty are well-trained in Outcome-Based Education (OBE).
- Improved academic performance.
- High rankings at the institutional level by the affiliating university.
- Excellence in Industry-Institute Interactions (III).

Departments, Faculty Specialization Groups (FSG), clubs, and committees submit semester-wise action plans to address curricular gaps and enhance PO attainment. Faculty coordinators oversee the activities under Memorandums of Understanding (MoUs) to ensure effective III practices. Industry professionals participate as jury members for technical events, offering valuable feedback on student competencies and skills. The institution actively engages with MHRD's Institute Innovation Council, fostering innovation and entrepreneurship through various programs.

Outcomes:

- High placement rates.
- Recognition in national and international competitions.
- Collaborative activities with industrial forums.

This structured approach to quality assurance and industry engagement ensures continuous improvement, innovation, and excellence across academic and professional domains.

File Description	Documents
Paste link for additional information	https://mvit.edu.in/placement/
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://mvit.edu.in/downloads/annual-report/
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 during the year

The Internal Complaints Committee (ICC) has been constituted as mandated under the provisions of the Sexual Harassment of Women along with the University Grants Commission Regulations, 2015. The main objective behind the formation of the Committee is to address the discriminatory behavior and sexual harassment lodged by any member of the college (teaching, non-teaching, and students). Students are given equal preference in all aspects such as admission, curricular, co/extra-curricular and training & placement activities. Responsibilities are assigned to students irrespective of their gender. Women are given due preference in the workforce. The gender inequality if any is addressed by the ICC/Grievance redressal cell of the institution.

A workforce team is formed for the implementation of every SDG. The team SDG 5 (Gender Equality) and SDG 10 (Reduced Inequalities) have implemented the action plan appropriate to their SDG which comprises of activities to Students, Institution and Community. The activities conducted include Legal Awareness Programmes, Women Health, awareness on online harassment, etc.,

File Description	Documents
Annual gender sensitization action plan	https://mvit.edu.in/wp-content/Files/naac_2023_24/c7/7_1_1/7_1_1_annual_gendersensitization_action_plan.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://mvit.edu.in/wp-content/Files/naac_2023_24/c7/7_1_1/7_1_1_geo_tag_photo_wit_h_sop_policy.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	A. 4 or All of the above
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File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The institution gives utmost priority in providing a healthy and safe environment by adopting effective waste management and disposal system. The institute follows the Standard Operating Procedure (SOP) for waste management which provides a comprehensive framework designed to ensure the effective segregation, collection, and disposal of various waste types, including general, recyclable, organic, and hazardous waste.

Solid waste management is accomplished either by inhouse utilization/ consumption or by outsourcing it to an authorized agency. Over 100 bins have been provided across the campus for collection of the solid waste. These bins are colour coded specific to a category of solid waste. The college has tied up with the local contractors for the disposal of non-degradable solid waste at the dumping yard approved by Government. Plastic

waste are segregated and sent to industry for recycling. E-Waste management is out sourced to private contractor who collects and disposes the waste as per norms.

A sewage treatment plant of 1000 KLD is in operation for collection and treatment of sewage in the campus. Wastewater received from all the blocks of the institution, hostels, quarters are treated in STP and the treated water is reused for gardening, and landscaping purposes. The STP storage is composed along with other Bio degradable solid waste and used as manure. The college has adopted a minimum and essential use of paper policy which helps in the conservation of resources.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**

A. Any 4 or All of the above

4. Ban on use of plastic	
5. Landscaping	
File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human	A. Any 4 or all of the above

assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

Our institution has been consistently working to promote and celebrate India's rich cultural and intellectual heritage, integrating Indian Knowledge Systems (IKS) into various events and activities throughout the academic year. Students are encouraged to participate in different intra/inter-collegiate events, to make them sensitize towards cultural, regional, linguistic, communal and socio economic diversities.

The cultural committee of the institution celebrates festivals with discussions on their ecological and social relevance highlighting the traditional wisdom.

Linguistic differences are assimilated by ensuring a common professional language, English, during working hours. However, proper care is taken to ensure that no faculty, staff, or student, feels marginalized because of any linguistic barrier.

In salute to our traditional spiritual norms of mental and physical wellbeing, MVIT celebrates the International Yoga Day.

The institution creates an inclusive environment for communal and socio-economic diversities by offering financial aid, scholarships in reference to the policy thereby ensuring equal opportunities for economically disadvantaged and marginalized students. Support services like mentorship and counseling are given to cater individual needs.

Our Institute is a participating Institute under Unnat Bharat Abhiyan (UBA) scheme and has adopted seven villages. The Institute has done significant works to improve the rural governance and citizen participation in the adopted villages.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

The institution is keen in sensitizing students and employees of our institution to their constitutional obligations for fostering responsible citizenship. A course on Professional Ethics and Indian Constitution that deals with Moral issues, Ethical theories, constitutional rights, duties etc., is included in the 8th semester of B.Tech (Mechanical)

The Indian Constitution guarantees the right to vote under Article 326. In line with this, National Voters' Day is being celebrated in the institution and it serves as an opportunity to celebrate the Constitution's commitment to democracy, reinforcing the need for active participation in the electoral process as a duty and responsibility of every citizen.

The Indian Constitution is the foundational document that upholds the principles of unity, integrity, and justice. In accordance with this National Unity Day emphasizing the importance of national integration and unity is being celebrated.

National Youth Day, honoring Swami Vivekananda whose ideals resonate with the Constitution's principles of justice, liberty, and fraternity is being celebrated every year.

National Constitution Day to honor the adoption of the Indian Constitution is celebrated by organizing seminars/lectures, that raise awareness about the Constitution's significance and the responsibility of every citizen to uphold them.

NSS volunteers, by participating in community service, contribute to fulfilling the Part IV of the Constitution, which guide to work towards the welfare of citizens and promote social and economic justice. Through initiatives like blood donation camps, environmental awareness, rural development, etc., NSS encourages students to become active citizens, fostering the constitutional values.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://mvit.edu.in/wp-content/Files/naac_2023_24/c7/7_1_9/7_1_9.pdf
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Our institution recognizes the importance of celebrating national and international commemorative days, events, and festivals. These events are organized with active participation from students, faculty, and staff, offering a platform for reflecting on key social, historical, and cultural milestones.

Following are the national and international commemorative days organized by our institution during 2023-24.

- MSME Day, World Food Safety Day and World blood Donor day were organized during June 2023
- International Literacy Day, National Engineers Day, World Environmental Health Day and world tourism Day were organized during September 2023
- World students' day, World food day, National Unity Day were organized during October 2023
- World Television Day was organized during November 2023
- World computer literacy day, National Mathematics Day, International Volunteers Day and National Consumers Day were organized during December 2023
- National Youth Day, National voters' day and International customs day were organized during January 2024
- Safer Internet Day, National Productivity Day and National science day were organized during February 2024
- National Safety Day, World PI Day, World Engineering Day, World Consumer Rights day, International Day of Happiness, World water day and world Tuberculosis Day were organized during March 2024
- World Health Day, World Heritage Day, World book and Copyright Day and World intellectual property day were organized during April 2024
- National Technology Day, World Intellectual Property Day, Mother's Day, International Women's Day and World No Tobacco Day were organized during May 2024.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

BEST PRACTICE 1

Institution's engagement in addressing Sustainability Development Goals (SDG)

MVIT is committed to addressing global challenges as outlined in the United Nations SDGs, creating positive impacts for both people and the planet. The institution is dedicated to implementing the SDGs through its initiative, "Puvi Kaapome (Puvu Kaapome)", with the sustainability motto: "Walking the sustainable way - Striding towards SDGs - MVIT on the move." To ensure a focused approach, a dedicated workforce team is established for each SDG. The teams are responsible for planning, implementing, and monitoring action plans tailored to their specific goal. The action plans incorporate activities at three levels: engaging students in SDG-related activities, integrating sustainable practices within the institution, and promoting community outreach programs. Guest lectures, student projects and major institutional activity is meticulously mapped to relevant SDGs.

BEST PRACTICE 2

Excellence through activities of Professional Bodies

Professional bodies like IEEE, IEI, ISHRAE, CSI, NIQR, MMA, SAEISS, etc., play a crucial role in fostering excellence. They provide opportunities for knowledge sharing and networking through conferences, seminars, and workshops. Skill development is promoted via training programs, certifications, and workshops that enhance professional competencies. These bodies also contribute funding for activities that drive technological advancements, bridging the gap between theoretical learning and practical application. Recognition and awards from these organizations inspire continuous improvement, while publications help disseminate research findings, contributing to the advancement of knowledge in the field. These bodies play a vital role in preparing graduates for the industry workforce.

File Description	Documents
Best practices in the Institutional website	https://mvit.edu.in/wp-content/Files/naac_2023_24/c7/7_2_1/7_2_1_Best_practices_in_dex.pdf
Any other relevant information	https://mvit.edu.in/sustainability/

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Innovation, Product Development and Patent

Innovation & Product Development

The institution integrates NEP 2020 and SDGs into its product development, fostering innovation, sustainability, and societal impact.

The In-House Laboratory Development includes

- Conveyor system using variable frequency drive (delta)
- Design of simple power system automation
- Substation system with PLC control panel design
- Human machine interfacing control panel
- Car parking application system using AB PLC
- Delta PLC control panel unit
- Automatic pneumatic stamping system using PLC controller
- Dual paper plate machine
- Automatic bell alarm

The Products developed for Industries include

- "Dojo 2.0"for Lucas TVS
- "IoT-Integrated Delta Control Panel for Smarter Industrial Automation", & "Automatic Fresh Juice Dispensing Cut-Off Device", for Luck Automation.
- "Customized Production Counter Display for Pneumatic-Assisted Automated Pipe Drilling", for L&T (Metal-Shop, Puducherry).
- "VFD Based Automatic Carton Box Auto Folder Gluer Machine", for Hutitozz Printz & Promoz.
- "Smart Power Monitoring System for Home and Industry",

for Vin Technology.

- "Smart Substation Using Delta Plc Control Panel", "RO Controller with Remote: TDS Meter, RO SMPS, Water Purifier, UV, Membrane, Filter Change Alarm (WHITE)" and Digital Flow Water Meter", for MNGP, Puducherry.
- "PLC-Based Training Panel for Practical Automation Skills Development", for Amit University .

Patent (2023-24)

The institution fosters innovation by supporting in securing patents.

Design Patents Filed : 18

Design Patents Granted : 18

Product Patents Filed : 18

Product Patents Published : 17

Product Patents Granted: 05

Copyrights Filed : 07

Copyrights Granted: 07

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- Faculty Training sessions to further strengthen the integration of ICT tools to enhance the teaching and learning more innovative, inclusive and student centric.
- To be a hub for innovation, incubation and startup.
- To enhance the research facilities with the funding from Government and non-government agencies to carry out funded research projects.
- Establish Industry supported Centre of Excellence on AR/VR/XR, to equip the students and faculty to mimic the real world complex scenario in industries/factories/warfields, etc., and support solving

critical issues.

- Integrate Indian Knowledge System into the learning ecosystem fostering an appreciation for India's cultural heritage and encouraging the practical application of IKS principles into Engineering domains.
- MoU for 'Climate Education, Ecosystem Restoration, and Research Collaboration for Sustainable Development' to holistically address the Triple planetary crisis, with national/international forums.
- Organize exclusive SDG Conclaves to discuss, deliberate and develop actionable solutions aligned with UN SDG's.
- Awareness sessions/Training to the school students to bridge the digital divide and promote the effective use of technology in daily life.