YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	MVJ College of Engineering
• Name of the Head of the institution	Dr P Mahabaleswarappa
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	08042991002
• Alternate phone No.	08042991000
• Mobile No. (Principal)	9448345434
• Registered e-mail ID (Principal)	principalengg@mvjce.edu.in
• Address	Near ITPB, Channasandra, Whitefield, Bangalore
• City/Town	Bangalore
• State/UT	Karnataka
• Pin Code	560066
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	24/06/2019
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Dr M Brindha**
• Phone No.	**08042991005**
• Mobile No:	**9632773981**
• IQAC e-mail ID	**viceprincipal@mvjce.edu.in; iqac@mvjce.edu.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://mvjce.edu.in/iqac
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.mvjce.edu.in/academic-calendar

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B++**	**3.00**	**2018**	**02/11/2018**	**31/12/2024**

6.Date of Establishment of IQAC	**01/12/2012**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Shashikumar P M, Civil	SSP	KSCST	02/02/2023	5000
Anu Joy & Dr. Ajith	SSP	KSCST	01/05/2023	5000
Prof. Shima Ramesh,ECE	SSP	KSCST	01/05/2023	4000
SUSMITHA M N,CSE	SSP	KSCST	01/05/2023	4000
GAYATHRI R & Dr. SOUMYA MISHRA,EEE	SSP	KSCST	01/05/2023	6000
BINI BABU,EEE	SSP	KSCST	01/05/2023	7000
Dr. SOUMYA MISHRA,EEE	SSP	KSCST	01/05/2023	7000
Dr. SANTHOSH N, Mech	SSP	KSCST	01/05/2023	7000
Dr.RESHMI VERMA	ECR	VGST - ECRA	01/02/2023	10,00,000

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI

  View File

9.No. of IQAC meetings held during the year — 2

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?

  Yes

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

  No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year?	No
• If yes, mention the amount	

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

1. Submission of Compliance report to NBA for three Programmes - Chemical Engineering, Electrical and Electronics Engineering and Information Science & Engineering and three departments have been granted accreditation by NBA for three years, 2022-23 to 2024-25 2. Academic reforms : To integrate vocational education into the mainstream education, NEP 2020 has been implemented from 2021 curriculum for the students to facilitate skilled based education in par with the industry, society and global stakeholders. 3. Constitution of Institute Research Promotion Centre (IRPC) and Research Monitoring Committee to strengthen research and development activities. 4. To foster the culture of Innovation and Entrepreneurship spirit among students: Conduction of activities related to Innovation and Entrepreneurship and obtained 4-star rating in Institute Innovation Council of Ministry of Education. 5. Introduction of Multidisciplinary courses through open electives, skill enhancement courses, etc.,

12.Plan of action chalked out by IQAC at 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
Submission of AQAR for the year 2020-21.	AQAR for the academic year 2020-21 was submitted on 07.09.2022.
NIRF 2021 Ranking	Participated in NIRF 2021
AICTE Approval Process and approval for introduction of two new courses Industrial IoT, Computer Science and Design	Extension of Approval was received from AICTE. Got approval from AICTE to start new courses from 2021-22.
Visvesvaraya Technological University Affiliation Process	The details for Visvesvaraya Technological University affiliation were submitted and the affiliation order was received
Submission of Compliance report to NBA for three Programmes - Chemical Engineering, Electrical and Electronics Engineering and Information Science & Engineering.	Got NBA accreditation letter and accreditation was granted for three years, 2022-23 to 2024-25
Constitution of Innovation, Incubation and Entrepreneurship Council	Students were motivated to carry out innovative projects. More than 65 innovative projects have been carried out by the students.
Introduction of Ability Enhancement Courses	4 weeks Intra-Institutional Internships to all I year students.
National Innovation and Start-up Policy	Policy was drafted as per the guidelines of Ministry of Education and uploaded in NISP Portal
Institute Innovation Council (IIC) – conduction of activities as per the calendar of Innovation Cell of Ministry of Education	Conducted all the activities and uploaded all the reports in the IIC portal and obtained 4 star rating.

13.Was the AQAR placed before the statutory body?	Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
BOG	11/02/2023

14.Was the institutional data submitted to AISHE ?	**Yes**

- Year

Year	Date of Submission
2022-23	27/03/2024

15.Multidisciplinary / interdisciplinary

MVJCE is autonomous from 2019-20 and has the flexibility to design its own curriculum. We have implemented NEP 2020 from 2021-22. The multidisciplinary courses introduced to all the students are Management and Entrepreneurship, Constitution of India and Professional Ethics, Universal Human values and Environmental sciences. IQAC of MVJCE is very keen on implementing this. Students are given opportunity to learn Multidisciplianry/interdisciplinary courses through Open elecitve, ability enhancement courses, certiifcate courses, etc., Multidisciplinary/Interdisciplinary education. Students are encouraged to do multidisciplinary projects (major/minor/course) and mentors have been allocated to them from their respective disciplines. The concept of Major and Minor is introduced from 2021-22 and regulations are drafted for this purpose. Ability Enhancement Courses are introduced from 2021 curriculum for all the students from I year as per NEP guidelines.

16.Academic bank of credits (ABC):

Academic Bank of Credits has been established on the lines of the National Academic Depository (NAD), in the sense, NAD is the backbone of ABC, where the students' academic data are held and academic awards are stored (i.e. storehouse of academic awards). Despite the fact that ABC enables students to register or commence credit transfer, the final outcomes of credit redemption and issuance of certificates, as well as the compilation of award records, are administered by academic institutions via the NAD Platform. Our students are encouraged to register in NAD as well as

in ABC platform to get thier ABC id. Students records are uploaded to NAD portal.

17.Skill development:

MVJCE has been conducting various skill Development courses for its students. The curriculum is so designed to enhance the professional skill attributes of students, as per the recommendation of AICTE, Professional skills courses were introduced in align with the graduate attributes specified by NBA. To enhance the practical skill for students and to familiar with latest developments in industry, one credit courses were also introduced. The following skill development courses have been conducted in 2021-22. Apart from this Skill Development courses are offered under 11 verticals and Intra-Institutional Internships were provided to all I-year students. Ability Enhancement Courses for Skill Development: 1.Idea Box 2.Tomorrow's Engineers 3.Foundation Skills in Integrated Product Development 4.Astronomy Club 5.CNC 6.IOT 7. Robotics & Industrial Automation 8.Software Development 9.UAV 10.Tinkering Lab 11.LabVIEW We have also included 11credits for Ability Enhancement courses to develop skills of students in 2021 Autonomous Curriculum.

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

The institute has designed and developed the Professional Skills courses that focus broadly on ethical and morality responsibility; importance of relationships, reaching out to people and physical, mental and social wellbeing. These courses have been designed with the help of domain experts and are being offered to all students at various semesters. Various sessions on Wellness for Students, Universal Human Values, Understanding Harmony, Teamness and interpersonal skills and Campus to Corporate are organized for first year students during Induction Programme. We have Ek Bharat Shreshtha Bharat (EBSB) Cell in our college. Ek Bharat Shreshtha Bharat programme aims to enhance interaction & promote mutual understanding between people of different states/UTs through the concept of state/UT pairing. We are mapped to uttarakhand state. students came to know different religions present in Uttarakhand. Students came to know about various Arts and Crafts in Uttarakhand. They came to know about the art style called 'Aipan' which is the main attraction of Art in the state. It helps students to know the culture and tradition followed in other states. Students actively participate in Yoga, Holistic Health, Painting, Music (Vocal), Music (Instrumental), Film Making, entrepreneurial development etc. Our Institution organises intra and inter college events to promote these events.

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

All programs are defined according to expected outcomes of Graduates, as defined by National Board of Accreditation guidelines. This involves identifying Course Outcomes and Program Outcomes, while revising the curriculum. The Examination questions framed are based on Bloom's Taxonomy of cognitive processes for all our assessment methods including Internal and EndSemester Examinations, value added courses, entrepreneur programs, Internships, projects, Viva-Voce, Assignments etc.,Faulty members and students regularly adopt the Outcome Based Education Framework (OBE) and carry out many innovations in teachinglearning practices and assessment. The attainment of Course Outcomes is calculated for all the courses and program attainment is also calculated. The feedback is taken from all the stakeholders through survey forms and analysis and is analysed for continuous improvement. The skill sets of students are analyzed and improved through various activities like seminars, lecture sessions, workshops, industrial visits, internships, course projects, etc., The curriculum is framed according to the industry requirements to make students employable. The IQAC sets the target level for all the courses. The measurement of Course Outcome attainment and Program outcome attainment are analyzed further and appropriate actions are taken for continuous improvement.

20.Distance education/online education:

MVJCE is not offering Distance education or online education. During pandemic, online classes were conducted using Microsoft Teams. The various online tools like Virtual labs, Webex tools, open source tools, and software were used for online teaching and learning. MVJCE encourages students to learn courses through online mode. Faculty follow the methods of teaching and learning practices such that it is learner centric. Faculty members regularly use number of prominent ICT tools,, Virtual lab practical, etc., In 2021 Autonomous Curriculum, the certification courses (online/offline) and MOOC courses are given 3 credits.

Extended Profile

1.Programme

1.1   **18**

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

2.Student

2.1   **3843**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	[View File]()

2.2   **966**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

2.3   **909**

Number of students who appeared for the examinations conducted
by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

3.Academic

3.1   **789**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

3.2   **229**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1

Number of programmes offered during the year:

18

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1

Total number of students during the year:

3843

File Description	Documents
Institutional data in Prescribed format	View File

2.2

Number of outgoing / final year students during the year:

966

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

Number of students who appeared for the examinations conducted by the institution during the year:

909

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

Number of courses in all programmes during the year:

789

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**229**

File Description	Documents
Institutional Data in Prescribed Format	<u>View File</u>

3.3 Number of sanctioned posts for the year:	**229**

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**605**
4.2 Total number of Classrooms and Seminar halls	**127**
4.3 Total number of computers on campus for academic purposes	**1126**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**2070**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

All the courses that have been developed by MVJCE have relevance to local, national and global developmental needs. Every department has a Board of Studies (BoS) comprising the Faculty and external Subject Experts (from Academia and Industry), who, after deliberations, approve the syllabus of every course. Every programme presents the Programme Outcomes, Programme Specific Outcomes, and Course Outcomes of each course. Additionally,each

course/subject of any given programme carries a Course Objectivethat unfolds the learning outcome for that course. The Board of Studies of each department oversees the relevancy and requirements of any course in the programmes that the department offers. As members of the BoS meet every year without fail, the BoS revises courses if needed, considering the academic trends, and market or industry requirements. Though minor revision is a continuouspractice, any major revision is done mostly after the completion of the duration of a programme. Every department has a wide range of domain-based special interest groups to carry out Research and Development activities that are pertinent to the industrial and socio-environmental spectrums, for local, regional, national and global developments. There are several courses in different programmes which enable students to analyze the local and regional needs, and provide solution based on the engineering / science / management knowledge that they have acquired. At the same time, this opportunity also gives the students a real-life experience.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://mvjce.edu.in/programmes/artificial-intelligence-and-machine-learning/curriculum/

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

17

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

778

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	**No File Uploaded**
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

747

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

18

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

MVJ College of Engineering strongly believes in integrating

Pagecross-cutting issues with a view to ensuring the holistic development of students. The Institute has left no stone unturned, to create a healthy and harmonious working environment with respect to issues related to Gender, Environment and Sustainability, Human values and Professional Ethics, all of which are included in the curriculum. Professional Ethics: The courses that integrate Professional Ethics are 'Constitution of India, Professional Ethics and Cyber Law'. This helps students identify their individual role and ethical responsibility towards society, and to understand human rights and their implications.

Gender: Boys and Girls are given equal preference in all aspects such as admission, training and placement activities and all Curricular and Extra-Curricular Activities.

Women Empowerment Cell is developed to increase social, economic and intellectual capacities for peace, security and prosperity of mankind.

Environment and Sustainability:

Subjects like Environmental Studies are offered to all 3rd year students in all the Engineering branches. 6th semester students are offered open elective subjects such as Process Wastewater Management, Solid Waste Management in Process Industry, Occupational Health and Safety, Renewable Energy System and NonConventional Energy Sources – all of these impart knowledge related to Environment and Sustainability. Universal Human values (UHV) is a two-credit course offered at the II-year level for all the students. It provides the essential guidelines for human conduct and human society.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

374

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	**No File Uploaded**

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

4457

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

2619

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	https://mvjce.edu.in/about-us/internal-quality-assurance-cell-iqac/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://mvjce.edu.in/about-us/internal-quality-assurance-cell-iqac/
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

952

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

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

952

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 students' learning levels and organises special programmes for both slow and advanced learners.

Based on their CIE & SEE performance in the subjects, students are classified into two groups - advanced learners and slow learners. After the completion of each CIE, the student who secures good scores in each subject is identified as an advanced learner and every year, semester toppers and university rank holders are

honored with certificates and cash prizes during Founder's Day. Students are continuously motivated to appear in competitive examinations - GATE, GRE etc. - and the necessary support is provided to them. Advanced learners are given opportunities to be part of innovative projects and other technical initiatives of the institute. They are given the opportunity to participate in Hackathons, Paper Presentations, Project Competitions, and participate in Summer Projects and Internships. They also help slow learners through peer learning. Through a mentor-mentee system also all kinds of support are provided to the slow learners. The strenuous efforts taken by the faculty towards the slow learners has resulted in students' understanding in their chosen domain, improved results, and pass percentage. The mentor takes extra effort to understand the socioeconomic backgrounds also which is sometimes a reason for poor performance. Parents of students are informed in case of poor academic performance and psycho-social problems whenever necessary.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://mvjce.edu.in/all-news/report-on-awareness-program-on-gate-exam/ https://mvjce.edu.in/news/students-or-college-achievements/#:~:text=MVJCE%20is%20extremely%20proud%20announcing,Best%20Female%2C%20Best%20Design%2C%20and

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
17/08/2022	3746	229

File Description	Documents
Upload 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:

Student learning is enhanced by adopting approaches/methods such

as the organizing of seminars, conferences, and special lectures. Challenging assignments and projects are given to the students to hone their intellectual caliber and sharpen their inquisitiveness. Study material and periodic assignments are also made available to the students.

The Institute focuses on student-centric methods to enhance the lifelong learning skills of students. Faculty members take efforts in making the learning activity highly interactive, by adopting the following student-centric methods.

1. Experiential Learning: Every department conducts add-on programmes to support students in their experiential learning. The Institution adopts the following experiential learning practices to enhance the creativity and cognitive levels of the students

2. Participatory Learning: In this type of learning, students participate in various activities such as seminars and group discussions. Students are encouraged to participate in activities where they can use their specialized technical or management skills. These activities include: Annual Tech Fest , Seminar Presentations , Presentation and publishing of Papers in Conferences and Journals

3. Problem-solving methods: Departments encourage students to acquire and develop problem-solving skills. Towards this end, the College organizes expert lectures on various topics, motivates students to join NPTEL & MOOC courses, and participate in various inter-college and intra-college technical fests and other competitions. The following activities foster problem-solving skills in students:

- Regular Case study-based Assignments
- Creation of innovative Projects
- Regular participation in Technical Quizzes

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	https://mvjce.edu.in/student-achievements/

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

MVJCE constantly upgrades its IT facilities to help make learning more creative, innovative and informative. The entire campus is enabled with Wi-Fi facility with a bandwidth of 1.2 GBps. Classrooms are equipped with LCD projection systems, Screens and Green Boards. Students use an online public Access Catalogue which includes a Digital Library, Bibliography, E-Journals, E-Books and E- Databases. Students and faculty members can access e-books, eresources through DELNET, VTU – Consortia. In addition to the chalk-and-talk method of teaching, the faculty members are using ICT-enabled learning tools such as PPT, Video clippings, Audio system, online resources, MOOC and NPTEL videos, to expose the students to advanced knowledge and practical learning. There is a major emphasis is on classroom interaction in terms of research paper presentations, seminars, group discussions, assignments, quiz/tests/viva-voce and laboratory work.

LIST OF ICT TOOLS USED BY TEACHERS

1. Smart classroom

2. Seminar Halls

3. Computer-assisted learning

4. Webex online classroom

5. Microsoft Teams online classroom

6. LMS materials available on the College website

7. E-book and E-Journal facilities available in library

8. NPTEL and IIT-Bombay Spoken Tutorial online classes

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://sites.google.com/view/mvjce-central-library/digital-library
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

229

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Adherence to Academic Calendar: At the commencement of every academic year, the College announces the academic calendar. The academic calendar provides the date of commencement of the academic session, duration of the semesters, dates of internal assessment tests, final semester examinations and government holidays. The academic calendar helps students and faculty members to get full visibility of events on the campus during the year.

Teaching Plans:

The teaching plan is prepared by each department, under the guidance of the Department Advisory Committee (DAC) and Internal Quality Assurance Cell (IQAC).

- Once the academic schedule is prepared, the subject allocation is done as per the following procedure.
- Heads of the departments conduct meetings with their respective faculty well in advance, before the commencement of the semester, and allocate subjects to the faculty. Once subject allocation is finalized, the Timetable isprepared and circulated to the faculty. It is displayed on the notice board after the approval of the Principal, VicePrincipal and Head of the Department.
- The number of hours for each course is decided, depending on the credits of that particular course. The effective implementation of the lesson and lecture schedule is monitored by the Head of the Department and TQM Members.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

299

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

41

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

911

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

15

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	[View File](#)
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

University guidelines have been strictly adhered to, with respect to examination procedures and the evaluation process. Three internal tests are conducted. The schedules of internal assessments are communicated to students and faculty at the beginning of the semester, through the academic calendar which is prepared based on the VTU academic calendar.

A week before the commencement of the internal exam, the timetableis displayed on the notice board. Questions are framed such that they adhere to VTU standards. It follows Bloom's Taxonomy and Outcome-based Education. The subject-handling faculty prepares a question bank that covers an equal number of questions from each module, and the question paper is set by the senior faculty of the department/course coordinator.

MVJCE has a well-established and efficient examination management system, where processes related to the conducting of examinations, declaration of results and awarding of degrees are controlled and monitored by the Controller of Examinations. The office of the COE organizes various meetings with the Principal, Vice-Principal and Registrar, for smooth functioning of the examination system.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://mvjce.edu.in/autonomous/exam-notification-timetable-and-application/

2.6 - Student Performance and Learning Outcomes

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

Every effort is made to ensure that the Course Outcomes, Programme Outcomes and Programme Specific Outcomes are communicated effectively to all stakeholders, namely students, faculty, parents, industry, regulating authorities, alumni, management etc.

MVJCE follows the Programme Outcomes (POs) defined by the National Board of Accreditation (NBA), and these are to be fulfilled by all the programmes. The Course Outcomes (COs) for each subject are available in the syllabus, and are defined by the concerned faculty member (in consultation with other faculty teaching the same subject) and HOD, and approved in the BOS meeting. Learning Outcomes of the Programmes and Courses are observed and measured periodically by IQAC.

The POs, PSOs and COs are available on the College website. Moreover, they are available at the following places too, for the benefit of students, teachers and other staff:

1. College website

2. On department notice boards and laboratories

3. Department Newsletter, Magazine, Brochures and prospectus

4. Lab manuals

5. Disseminated in Placement training programmes

6. Disseminated during student seminars and orientation programmes

7. Department Handbook

8. Survey Forms

9. Academic Calendar

10. Internal Answer Booklets

11. Syllabus Book

Students also get to know the COs, POs and PSOs through faculty announcements during the beginning of each semester, and from time to time during the entire semester.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://mvjce.edu.in/about

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Method of assessment of POs:

Programme Outcomes are assessed with the help of Course Outcomes of the relevant courses, through direct and indirect methods. Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable Course Outcomes. The knowledge and skills described by the Course Outcomes are mapped to specific problems on semester-end examinations, internal exams, and home assignments. The performance of students in different assessments of CIE and SEE are evaluated for the attainment of COs. The attainment calculation is based on the mappings between CO and PO. Finally, Program Outcomes are assessed, and the Program Assessment Committee concludes the PO attainment level.

The weightage given for direct assessment is 80% and indirect assessment is 20%.

- Direct methods gauge the students' knowledge and skills from their performance in the continuous internal assessment tests, semester examinations, seminars, laboratory assignments etc. These methods provide a sampling of what

students knowand/or can do, and provide strong evidence of student learning.
- Target levels of attainment of Course Outcomes (COs) are set; Course is delivered; actual attainment of COs is determined using internal assessment 1, 2, 3 and SEE.
- Indirect methods such as surveys ask the stakeholders to reflect on the student's learning.
- Target levels of attainment of POs and PSOs are set and attained.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://sgeio-my.sharepoint.com/:b:/g/personal/jeeva_b_mvjce_edu_in1/EYa_lvrHC5RBh9D_HIKqyGYoBzOOULGPoFAFcUesi2kOYbw?e=63CbK9

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

966

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://mvjce.edu.in/files/documents/MVJCE%20Annual%20Report%202022-23.pdf

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://mvjce.edu.in/about-us/internal-quality-assurance-cell-iqac/

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The Research & Development Cell of MVJCE facilitates and encourages research culture among the faculty and students.Itenables a congenial and conducive environment for technological development, providing all the infrastructural facilities and monitoring the research activities of faculty and students. The R&D Cell is functioning under the guidance ofDr. V. Bhujanga Rao. Faculty are encouraged to apply to various funding agencies and pursue their research. The Institute also provides seed funding or partial funding, based on the merit of the proposals submitted by faculty or student. The college has formulated a R & D policy to promote R & D amongst faculty. The R & D cell meets every fortnight to discuss the funding proposals to be submitted to various funding agencies. The R&D Cell takes upon itself the responsibility of creating a workplace that can attract the best talent, and strives continuously to pool the skills and internal resources and create strategy, overcoming limitations. The Institute encourages the faculty by providing incentives for peer-reviewed publications in SCI indexed journals, writing books and filing patents. The Institute takes care of the patent filing process, which is governed by the IPR Cell of the Institute. Six of our Research Centers are recognized by Visvesvaraya Technological University, and fulltime research scholars are allotted by the University to pursue their research work in these Centres under the guidance of the College faculty.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://mvjce.edu.in/campus-life/special-departments/
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

2.61881

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

1

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

12.47297

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

12

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	**Nil**
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

38

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.kscst.org.in/english/index.html, https://vgstdst.karnataka.gov.in/kn
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Institution has created an ecosystem for innovation, including incubation centres and other initiatives, for the creation and transfer of knowledge. Faculty members are empowered to take up research activities, utilizing the facilities available at the

Institute. The Research and Development Cell of the College motivates the faculty members to write feasibility studies and research projects, and get funding from various funding agencies like DRDO, DST, AICTE, DBT, KSCST, VGST etc, It also helps to create a research culture among faculty members and students. The Entrepreneur Development Cell (EDC) at MVJCE initiated various activities and training programmes for the career enhancement of students. EDC created a platform like IDEABOX, for students to share their research perspectives/ideas. The Institute also has an active Industry Institute Partnership Cell (IIPC), which helps to bridge the gap between industry and academics by organizing various events like skill development programmes, IndustryAcademia meets, guest lectures etc. Awareness programmes of various schemes under Karnataka State Small Industry Development Corporation, Digital India, and Make in India were also conducted under the auspices of the IIPC. The Institution has a wellestablished and vibrant Institute Innovation Council (IIC) which strengthens other cells such as EDC, Idea Box, IIPC, Tomorrow'sEngineers, FSIPD, and Tinkering Lab. The well-established IPR cell at MVJCE guides both faculty and students on Intellectual Property Rights, and also guides them in filing patents with financial support.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://mvjce.edu.in/campus-life/special-departments/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

89

File Description	Documents
Report of the events	[View File](#)
List of workshops/seminars conducted during the year	[View File](#)
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for	A. All of the above

Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

5

File Description	Documents
URL to the research page on HEI website	https://mvjce.edu.in/campus-life/special-departments/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

180

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during

the year

20

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

673

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

135

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

5.2308

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

117.58307

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	**No File Uploaded**

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The College is taking up various initiatives to improve the quality of life of the people living in the surrounding neighborhoods. It is mandatory for all our students to play a role in representing various social issues through parallel activities in various student clubs. The student volunteers visit neighboring localities and conduct various activities, regularly. The basics of computer and computer programs such as C, C++, JAVA, MS office etc. are taught to the children in rural areas. Our NSS unit created awareness among these people, of the harmful effects of plastic on the environment, to make our surroundings plastic-free. The NSS unit conducted awareness sessions on COVID-19 in the

nearby villages, and distributed food, masks and sanitizers at the peak of the pandemic. Our students are also helping the local school to achieve good results, encouraging these kids to take up technical education. Our students are doing a lot for the overall benefit of the society, fulfilling their responsibility towards the world around them. All these activities have a positive impact on the students too, it has developed student-community relationships, and embellished their leadership skills and selfconfidence. It has brought out a hitherto unknown side of our students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvjce.edu.in/campus-life/nss-ncc/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

264

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	**No File Uploaded**

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

7

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1065

File Description	Documents
Reports of the events	[View File](#)
Any additional information	[View File](#)

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

771

File Description	Documents
Copies of documents highlighting collaboration	[View File](#)
Any additional information	[View File](#)

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

4

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	[View File](#)
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	[View File](#)
Any additional information	**No File Uploaded**

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 equipments, etc.

MVJCE has state of the art infrastructure, creating an environment for progressive learning and development. All classrooms are Wi-Fi enabled. Eight departments of MVJCE are VTU recognized research Centre wherein the students and faculties can carry out their project/research work.

During the pandemic period the online classes the academic activities remained unaffected. Classes were conducted in Microsoft Teams platform. The institution has Microsoft office 365 A1 plus licence and all students and faculties were provided with organizational account. All the classes conducted were recorded and recordings were uploaded in Streams where the students can access it anytime. Lab experiments were recorded and shared with the students during online class.

Apart from regular labs, we have R&D Labs, industry tie up laboratories like, Infosys campus connect lab, UAV lab, NI labetc. in order to fill the gap between the curriculum and industry. Labs are equipped with sufficient hardware and licensed software to run program specific curriculum and off program curriculum Enough number of personal computers are available for the smooth conduction of the lab. The number and area of the classrooms and labs are as per the requirement specified by the statutory bodies.

The faculty innovations in teaching and learning are as follows:

Learning management system(LMS Modules) LMS of MVJCE is a student centric learning facility for the students to refer the study materials anytime within the campus premises. It is a centralized source for study materials and slide based presentation for all the branches.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://mvjce.edu.in/campus-life/facilities/

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

Sports activities occupy a significant part of the college curriculum in MVJ College of engineering. The Physical Education Department of MVJCE is equipped with multitude of sports-centric facilities. These facilities are optimally utilised for training students and assisting them to remain fit through various sports activities. The campus houses full-fledged sports amenities for both indoor and outdoor sporting events.

The outdoor facilities include large playing fields for Cricket,

Hockey, Football, Kabbady and Kho-Kho. The campus is equipped with dedicated space for basketball, Volleyball and Throw ball. There is a 200-metre athletic track available for the athletic events.

The indoor sport facility at MVJCE includes practice/training rooms for Wrestling, Judo, Table Tennis, Chess and Carrom. The Weight lifting and Power lifting training facility at our campus helped many students to win many university level and inter collegiate events.

We also host Dr. M.V Jayaraman memorial cricket tournament and Smt Raja Lakshmi Jayaraman inter collegiate volleyball tournament every year.

MVJCE also has a large well equipped indoor gymnasium facility, available for both the staff and students which include facilities for Weight Training and Cardio exercises. An experienced trainer will be available at the gymnasium to assist the users.

Practice of Yoga fosters harmony in the body, mind, and environment. The college organizes Yoga sessions frequently to create awareness on physical and mental well-being among the staff and students of MVJCE.

File Description	Documents
Geotagged pictures	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional information	https://mvjce.edu.in/campus-life/facilities/sports/

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

127

File Description	Documents
Upload any additional information	[View File](#)
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

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

518

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

Name of ILMS software: libsoft

Nature of automation: Fully Automated

Year of Automation: 2009

Library is fully automated. All the library documents are barcoded, and books are issued to users by reading the barcode of the document.

Since the Library is fully automated, the holdings of the Library could be searched using OPAC. The holdings include the books and Journals, syllabus, question papers and Project reports.

The library is member of the DELNET since last 5 years. It is being extensively used for ILL and searching the database of other member libraries.

The library has become the member of the NDL to access the vast eresources that are available on Delnet database

The library has the internet facility through which the eresources could be accessed.

On an average around 1300 students make use of the libraryresources everyday.A register is maintained in order to know the number of users make use of the reference section. The Central Library is a member of the VTU E-Resources Consortia. The

users of the library can access publications of all major publishers like Elsevier, Springer, ASCE, etc. The Central Library is also a member of DELNET which gives access to E-Books and 5000 full text E-journals both National and International.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sites.google.com/view/mvjce-central-library/

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources | **A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

43.86

File Description	Documents
Audited statements of accounts	View File
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

1441

File Description	Documents
Upload details of library usage by teachers and students	[View File]()
Any additional information	[View File]()

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

LAN Facility There are 38 data network switches (Giga byte),18 POE networkswitches (Gb) for access points, CCTV cameras, Intercoms and 1 SOPHOS Cyberoam fire wall for content filtering for 2500 users simultaneously.1.2 GBps of internet connectivity is shared across the campus.

Server configurations in Data Centre

There are 14 servers with Xeon E-5 version-2,32 GB RAM,1.2 TB hard drive, student biometric server, faculty biometric server and application servers.

Storage server-2TB*5=10 TB

Back up device-3TB for critical server back up

Work station:

1240 desktops are provided to all the department labs with configurations of core i3 3Generation 4GB, 500 GB hard disk with LAN connectivity. 140 desktops with configurations of core i3 4GB, 500GB and dual core 250 GB, 2GB hard disk.

Software:

850 genuine windows licenses, with window 7pro and windows XP. 375 Microsoft office standard and professional editions for departments are also available. We also use open source operating systems such as Fedora, Ubuntu and CentOS.

Wi-Fi:

69 Extendable Wi-Fi access points are placed in various places like Library, corridors, Labs, hostel, Canteen and outdoor. Wi-Fi access is provided to all the students which is monitored and

controlled by SOPHOS Cyberoam fire wall at the IT department.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://mvjce.edu.in/campus-life/facilities/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3746	**1126**

File Description	Documents
Upload any additional information	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	**A. ?50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	[View File](#)
Upload any additional information	[View File](#)

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	**D. Any one of the above**

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvjce.edu.in/campus-life/facilities/
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

1553

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The institution has the structured system for maintaining and utilizing the facilities available. MVJCE (http://www.mvjce.edu.in/facilities/) Facility management team maintains the physical and academic support facilities. The various responsibilities of the team are housekeeping activities, maintenance of Garden, pest control, entire campus snag work etc. MVJCE deployed four location supervisors across the campus. Each location supervisor will report to the maintenance manager regarding his observations on electrical, plumbing, and housekeeping related issues/complaints. A logbook is maintained for the same.

The college has various committees for maintenance and upkeep of infrastructure. Regular meetings of various committees constituted for this purpose meet regularly to discuss about the requirements which occur time to time.

The computers are maintained in the Institution by IT help desk. This division provides the integrated IT services like smooth running of automation, up-gradation and maintenance of automation

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package, college website, biometric services, troubleshooting of
hardware, networking equipments including internet connectivity,
procurement of hardware, software.

The equipment and machineries in the laboratory/workshop are
maintained by the lab In-charge(s)/workshop In-Charge(s) with the
advice of HOD.

The physical education department is facilitated by the physical
directors to educate the students. The marker of the department
makes the play field ready for the students, by marking the ground
and providing the play kits.
```

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvjce.edu.in/about-us/naac/?tab=vdo-lece

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2338

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

397

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://mvjce.edu.in/events/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

4818

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 adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances

A. All of the above

through appropriate committees

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

329

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

34

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

11

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

43

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

STUDENTS PARTICIPATION IN ACTIVITIES

The institution does not have any student council, but there are Clubs/Societies where students are a part of with the objective to make the students participate in the development of the institute as well as in the process to develop their personality, organizational skills, and career through interactive programs with the faculty, administration, and society.

ANTI-RAGGING

COMMITTEE is headed by the Head of the Institution, and consisting of representatives of civil and police administration, local media, Non-Government Organizations involved in youth activities, representatives of faculty members, nonteaching staff, parents, and students.

STUDENT GRIEVANCE REDRESSAL COMMITTEE A redressal committee functions in the institution to receive the grievance in person, to analyze and examine the nature of grievance, to deliberate with the members of committee and call for remarks if necessary and to resolve the issues impartially.

CLASS COMMITTEE is constituted in every department which is headed by the Head of the department and shall have two meetings in a semester to ensure the responsibilities set by the committee.

OTHER CLUBS DETAILS IQAC, EDC, Women Empowerment Cell, IIC, Sports Committee, Hostel Committee Health and Hygiene Club, Music Club, Dance Club, Theatre Club, IEEE, Student Chapter IETE Literary Club

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://mvjce.edu.in/campus-life/clubs-activities/

5.3.3 - Number of sports and cultural events / competitions organised by the institution

38

File Description	Documents
Report of the event	[View File](#)
List of sports and cultural events / competitions organised per year	[View File](#)
Upload any additional information	**No File Uploaded**

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

On 10th May 2019, our Official Alumni Association was formed in the name 'MVJCE Alumni Association' by the provisions of Karnataka Societies Registration Act, 1960.Our Alumni Association works for the overall development of students as well as the institution and it helps our institutionin terms of academic planning, placements of students, career guidance and technological guidance.The first Annual General Body Meeting was conducted on 11.7.2020and recently anAnnual Alumni Meet was organizedat MVJCE on 28.8.2022 .

The main objectives of the Association are:

- **All students graduating from MVJCE to be in sync with the activities and growth of the Institute.**

- **To provide a forum for bringing together the alumni to contribute effectively to the cause of engineering education and research in the country.**
- **To promote professional, cultural, and social contacts among the members to enhance the further growth and prosperity of this great institution and her progeny.**
- **To create opportunities and kindle the spirit of entrepreneurship among students and to support in their development by sharing the expertise, experience of the alumni.**
- **Some of our alumni are industrialists and they share their knowledge and expertise with the students by arranging motivational lectures.**

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional Information	[https://alumni.mvjce.edu.in/]()

5.4.2 - Alumni's financial contribution during the year	**E. <2 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 an effective leadership in tune with the vision and mission of the Institution

VISION:

To become an institute of academic excellence with international standards.

MISSION:

1. Impart quality education, along with industrial exposure.

2. Provide world-class facilities to students, to help them undertake research activities relevant to industrial and professional needs.

3. Promote entrepreneurship and value-added education that is socially relevant, along with economic benefits.

The Governance of the Institution is strictly in accordance with the Vision and Mission. The decentralized governance ensures better performance. The Governing Council, which has representatives from the faculty as well, offers its advice on all the functions, goals and important decisions. The Staff Council, headed by the Principal and Vice Principal, with HODs as members, ensures the proper implementation of the decisions and directions given. The Office Administration of the College is headed by the Registrar. There are several committees for implementing decisions and resolutions. The Institute consistently promotes a culture of participative management. The HODs are conferred department-level authority. The HOD communicates the responsibilities of the faculty members through regular staff meetings. The faculty members involve themselves in the implementation of the decisions of the department. Hence, at every level, there is participative management. The Institute has a perspective plan that helps to streamline various processes like evaluating the methodologies of the teaching-learning process, research progress, infrastructure facilities, Industry-Institute partnership etc. All planning and execution are monitored regularly. The financial perspective is also addressed well.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.mvjce.edu.in/about/board-of-governors

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The College promotes decentralized and participative management, and has various committees to implement decisions. Operational autonomy is provided to functionaries at every level – Vice Principal, HOD, faculty, students and supporting staff. The Principal is the Academic and Administrative head, followed by Vice Principal, department heads and unit heads on the hierarchy. As per government guidelines, various committees such as Grievance Redressal Committee, Internal Complaints Committee, Anti-Ragging Committee, SC/ST Committee and Women Empowerment Cell are in place. Besides, there are Institution level committees such as

Research Committee, Exam Committee, Library Committee, Discipline Committee and Cultural Committee, functioning with operational powers. The Principal and the HODs are bestowed with some financial powers, to purchase any material urgently needed for academic purposes.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional Information	https://mvjce.edu.in/aicte-statutory-committees

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The institute has a strategic plan which includes the following:

1.Constitution of IIEC: To promote innovative ideas and entrepreneurship among students and staff, as per NISP policy of India.

2. Innovative Curriculum: , MVJCE has revamped its curriculum considering the recommendation of

- NEP 2020
- AICTE (Model Curriculum)
- UGC
- VTU National and Societal requirements

Ability Enhnacement courses are introduced in 2022-23.

3.NBA Accreditation: NBA Compliance reports shall be submitted to get further extension for three years for three Programmes – Chemical Engineering, Electrical & Electronics Engineering and Information Science and Engineering and to prepare for NBA Compliance visits.

4. Centres of Excellence: Identify niche areas to develop Centres of Excellence based on thestrength of the facilities and faculty which are already available.

5. Introduction of new UG Courses: IQAC has suggested to start new course in B.E. in Industrial IoT with 60 intake and B.E in Computer Science and Design with 60 intake.

6. Formative Assessment: It is suggested to implement Formative Assessment at least for one course in each Programme.

7. NIRF Ranking: To analyse all the weak areas and plan action to be taken to improve the score in NIRF ranking to come within 300 band.

8.COVID CELL: MVJCE has been taking continuous efforts and measures to ensure safety of all the students, faculty and staff members.

9. MVJ Merit Scholarship: To help needy students and motivate meritorious students, MVJ College of Engineering provides financial assistance for meritorious students at Under Graduate and Post graduate levels, to impart technical skills which will ultimately benefit the society.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mvjce.edu.in/about/internal-quality-assurance-cell-iqac
Upload any additional information	View File

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

The Governing Council of MVJCE which is comprised of very eminent people from Industry and Academia, meets once in three months and interacts with faculty and students to understand the improvement areas, and provide the guidance necessary.The Academic Council monitors academic functions and approves the curriculum. The prime task of the IQAC is to develop a system for a conscious, consistent and catalytic improvement in the overall performance of the Institution. There are committees and clubs like DAC, BOS, BOE, Examination Committee,R&D, Budget Monitoring and Purchase Committee, Library Advisory Committee, Anti Ragging, TQM, Student Welfare, Grievance Redressal, Class Committee, Training and Placement, Professional Body, Sports Committee, Event Management,

Technical Fest Committee, EDC, Idea Box, Innovation Cell, Tomorrow's Engineers Club, FSIPD, Departmental Technical Clubs, Theatre Club, Music Club, Dance Club, Literary Club and ICC, where students and faculty members are members. Meetings are conducted regularly to discuss and implement the decisions and actions suggested by IQAC.The Principal provides necessary advice for effective implementation. All the policies and roles and responsibilities are well-defined in-service rules, and the coordinators/section heads enjoy the freedom to effectively implement official orders, in the best interest of all the stakeholders.

File Description	Documents
Paste link to Organogram on the institution webpage	https://mvjce.edu.in/about-us/about-mvjce/
Upload any additional information	View File
Paste link for additional Information	https://mvjce.edu.in/about-us/aicte-statutory-committees/

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The following are the welfare measures extended to the teaching and non-teaching staff of the College.

- On-duty facility is provided to faculty attending Workshops

/Conferences /Seminars, and for visiting Research
organizations to carry out R&D.

- Faculty members are rewarded Rs. 5000 /Rs. 10,000 per paper, for publications in Scopus/SCI journals with a high impact factor.

- Seed Money to carry out research projects.

- Faculty are awarded cash prizes for 100% results, and for generating funds through research projects.
- Faculty is given 60% of the Consultancy fees, for Consultancy projects.
- 7 days of Medical Leave can be availed by staff, in case of hospitalization.
- Women employees are eligible for a 6-month Maternity Leave, with 3 months' salary. ·
- Men employees can avail a Paternity leave of 3 days. ·
- All eligible staff, as per the Staffs' Provident Fund legislation, are enrolled in the EPF scheme.
- Teaching staff are given financial support for attending conferences, workshops and seminars.
- Non-teaching staff are given financial support to pursue skill development.
- Uniform is provided for Instructors, Attenders and Security personnel.
- All staff members are covered under the Group Medical Insurance.
- In case of any financial emergency, staff can avail a personal loan.
- Transport and cafeteria facilities are provided to all staff, at a subsidized cost
- Medical facility is provided to all staff members ·
- ATM facilities are available on the campus.

File Description	Documents
Upload any additional information	[View File](View%20File)
Paste link for additional information	https://mvjce.edu.in/careers/

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

99

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 programmes organized by the Institution for its teaching and non-teaching staff during the year

73

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

98

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution conducts internal and external financial audits regularly. An Audit will be conducted at the end of each financial year. The auditors will visit the college at regular intervals and verify all financial transactions with the supporting documents and approval of proper authority for each financial transaction.

The financial transactions are accounted in Tally ERP by thecollege. The audit is conducted in accordance with the Auditing standards generally accepted in India. They plan and perform the procedures to obtain reasonable assurance about whether the financial statements are free from material misstatements. Auditor will examine on a test basis evidences, supporting for the amounts and disclosure in the financial statements. It also includes assessing the accounting principles used and management estimates and evaluation of overall financial statements presentation. All financial transactions are accounted and financial statements like Balance sheet and Income and Expenditure are also verified.

Such financial statements will be signed and approved by the Auditor and Management. Based on the audited financial statements, the auditor will issue an Audit Report.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://mvjce.edu.in/about-us/internal-quality-assurance-cell-iqac/

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

11.67

File Description	Documents
Annual statements of accounts	[View File](#)
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	[View File](#)
Any additional information	[View File](#)

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Sources of funds:

For the institution the resources of funds are:

- Tuition fees collected from students and Fee collected for the other services like transportation, Gym, the

registration fee for Workshops, Skill enhancement Programs, etc.,

- Grants from ISRO/AICTE/KSCST/IUCEE/IICHE/IETE/DRDO
- Fees collected from students will be kept as the fixed deposits in the college bank accounts. Part of the fixed deposits will mature for a period of 30 days or less and part of them will be for a long-term period like 1-2 year.

Mobilizations of funds: The short-term deposits will be used for the monthly salaries, campus and infrastructure maintenance, library book purchases, Faculty development and student skill development programmes, staff welfare, college promotional expenses etc. Loan term deposits will be used for any infrastructure construction or development at the campus.

Fund's utilization strategies: All Departments propose their budget at the beginning of every financial year. According to the financial requirements of each department, the budget will be allocated annually. Periodic monitoring of the utilization of the funds allocated is done by the Budget and Purchase Committee to ensure optimal utilization of the resources according to the plan. Quarterly budgets are prepared to ensure that funds are utilized and to allot to the areas where it is deficient.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The vibrant Internal Quality Assurance Cell (IQAC) of MVJCE was established in 2012 as per the norms of NAAC, with a vision to streamline the quality initiatives of the Institution. TheInstitution has a well-defined policy for quality assurance which is ensured by the effective participation from all stakeholders. The IQAC coordinator interacts with various functionaries for effective implementation of IQAC, and appraises the Chairperson of IQAC from time to time. IQAC meets periodically

and records its deliberations, suggesting improvements if required, in any academic/administrative function.

Design of an Innovative Curriculum:

The IQAC of MVJCE facilitates the creation of a learner-centric environment conducive to quality education, and the faculty maturation needed to adopt knowledge and technology for the participatory teaching and learning process.MVJCE has designed an autonomous curriculum to make a shift from rote learning to experimental learning, to meet the motto of OBE and NEP. For every theoretical concept, an experimental study and its analysis have been introduced, for better understanding by students. A course is divided into five modules and every module has laboratory sessions to facilitate experimental learning. Ability Enhancement Courses are also introduced. During the pandemic, online tools, opensource software, and virtual labs were used to conduct experiments, and faculty members were trained to handle these tools.

Innovative Projects:

Experiential learning has motivated students to do many innovative projects - 50 projects have been developed by our students, in this academic year alone, which number is only increasing year after year.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://mvjce.edu.in/about-us/internal-quality-assurance-cell-iqac/

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC reviews the teaching-learning process, structures and methodologies of operations and learning outcomes, periodically.The Academic Calendar is prepared in advance,displayed in the Institution, and strictly followed. It is mandatory for every new student to attend the Orientation Programme, where they learn about the philosophy of the College, the uniqueness of the education system, the teaching-learning process, the system of continuous evaluation, compulsory core courses, the co-curricular activities, and above all, the

discipline and culture of the Institution. The students are also given a guided tour of the campus and the facilities available here.

Class Committees take student feedback regularly, and appropriate steps are taken to enhance the teaching-learning process. Feedback from students is also taken individually by teachers, by Proctors, and also directly through IQAC. Studentsare free to approach the Head of the Institution, too, for feedback and suggestions.

The teaching-learning processes are reviewed, and improvements are implemented, based on the IQAC recommendations. IQAC organizes regular academic audits to ensure effective implementation of teaching-learning and maintenance of course files. The following measures are carried out by IQAC:

- Verifying internal test analysis, and question papers
- .Arranging special classes for weak students.
- Identifying new processes/delivery methods and recommending these for improving quality Analyzing deviations from the benchmarks and reporting these.
- Collecting feedback from the stakeholders (students, alumni, industry experts, research organizations and parents) and taking corrective actions.
- Encouraging faculty to do online certification Courses (NPTEL, MOOCS etc.).
- Faculty Development and Skill Development Training Programmes are organized frequently

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://mvjce.edu.in/about-us/internal-quality-assurance-cell-iqac/

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://mvjce.edu.in/about-us/internal-quality-assurance-cell-iqac/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

Gender Equity

MVJ College of engineering is being taking certain specific initiatives to facilitate gender equity and their development and empowerment. Our Gender Positive Initiatives are:

1. Women Empowerment Cell:

Women Empowerment Cell aims to empower girl students and to ensure their safety in the college campus. The WEC works to promote gender sensitivity in the college and ensures various programmes are conducted to educate, sensitize both male and female members and produce harmonious atmosphere in the campus.

2. Internal Compliance committee:

The objective of the ICC is prevention, prohibition and redressal of sexual harassment of women employees and students in higher educational institutions. The committee is institutionalized to hear complaints and grievances in relation to incidents of sexual harassment and create awareness regarding the same by having an open dialogue with all students and female staffs.

3. Anti-Ragging Committee:

The Anti-Ragging Committee is constituted for the prevention and prohibition of Ragging in technical Institutions, Universities

including Deemed to be Universities imparting technical education. As per AICTE notified regulation for prevention and prohibition of ragging in AICTE approved technical Institutions vide No. 373/Legal/AICTE/2009 dated 01.07.2009, the committee has been constituted to prohibit, prevent and eliminate ragging in the campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mvjce.edu.in/admissions/code-of-conduct/

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Geotagged 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 a maximum of 200 words)

MVJCE adopts the best practices in the management and recycling of solid and liquid waste, e-waste and waste generated from hazardous chemicals.

1. Solid Waste management: All the waste from the college premises, canteen and hostel is collected and segregated into wet, dry and plastic waste. Biodegradable materials such as fruit peels, tea and coffee grains are converted into manure in compost pits. Non-biodegradable materials such as paper and plastic are segregated and resold. Dry leaves collected from the campus are converted into compost by rapid composting unit.

2. Liquid Waste management: MVJCE utilizes Rainwater Harvesting technology to collect and store rainwater from clean surfaces. The wastewater from the entire campus is treated at our Sewage Treatment Plant. The treated water is then used in the toilet

flush tanks, or to water the college garden. The drinking water in the campus is also analysed and checked for its potability, every week.

3. E-waste management: All e-waste is disposed to the Municipal Corporation. The printer cartridges are refilled outside the college campus. UPS Batteries are recharged /repaired /exchanged with the suppliers. Waste compact discs and other computer parts are used by students in the Tinkering Lab.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	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
Geotagged 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
Geotagged 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 undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy 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**	**B. Any 3 of the above**

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance,	**A. Any 4 or all of the above**

reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	**No File Uploaded**
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, socio-economic and other diversities (within a maximum of 200 words).

MVJ College of Engineering as part of their Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities in 2022-2023, conducted various events. These include the First-Year Induction Program (2022), where sessions on NCC, "Art of Articulation," and "Art and Culture of Karnataka" were organized. Events like "Saahithya and Raagabhinaya" promoted creativity and cultural awareness among students. Another significant initiative was the Blood Donation Camp held on May 16, 2023, in collaboration with MVJ Medical College. Additionally, the second phase of the First-Year Induction Program (2023) featured sessions on "Meditation for a Happy You," and "Universal Human Values." The college also hosted motivational programs and cultural activities such as performances by students from clubs like Dhwani, Saahitya, and Nrityatrix. In June 2023, students participated in a Drug Awareness Program organized by the NSS unit, culminating in a walkathon

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

The document outlines several activities organized by MVJ College of Engineering (MVJCE) to promote constitutional values, national pride, and civic responsibility:

1. Independence Day 2022: On 15th August 2022, MVJCE celebrated India's 75th Independence Day with more than 300 participants, including students and staff. The flag hoisting ceremony was conducted, followed by a speech from the principal, paying tribute to freedom fighters.

2. National Voters Day 2023: The NSS unit organized this event on 25th January 2023 to promote electoral participation among young students. The principal emphasized the importance of voting and encouraged new voters to register and take pride in their voting rights.

3. Republic Day 2023: On 26th January 2023, over 370 participants gathered for the 74th Republic Day celebration. The principal delivered a speech, acknowledging the significance of the Constitution and its framers. The event included a guard of honor, patriotic songs, and the distribution of sweets.

These activities reflect the institution's commitment to fostering national values and civic engagement.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the 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 programmes, etc. in support of the claims	View File
Any other relevant information	No File Uploaded

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

MVJCE organized several events during 2022-2023, including national and international commemorative days, festivals, and observances. Some key events include:

1. National Commemorative Day titled "Revolution of Industrial Chemistry to Industrial Chemical Engineering," on 27th July 2022, focusing on the revolution of 'Industrial Chemistry to Industrial Chemical Engineering,' with discussions on water treatment, pollution, and eutrophication.
2. Independence Day on 15th August 2022, attended by over 300 participants, featured speeches on patriotism and the sacrifices of freedom fighters.
3. Engineer's Day on 15th September 2022, commemorating the 162nd birth anniversary of Sir Mokshagundam Visvesvaraya, included a documentary and lecture by ISRO scientist M. Sankaran.
4. Food-Energy-Water Nexus Day on 16th November 2022, focused on bioethanol, alternatives to petrol, and ethanol blending technology.
5. Republic Day on 26th January 2023, celebrated with a flag-hoisting ceremony and patriotic songs.
6. National Voters Day on 25th January 2023, highlighting the importance of voting. New voters were encouraged to enroll in the electoral rolls and take an active role in the democratic process?.
7. International Yoga Day on 21st June 2023, promoted yoga for physical, mental, and spiritual well-being, with demonstrations of asanas.

These events emphasized knowledge sharing, patriotism,

professional growth, and holistic well-being

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	[View File](#)
Geotagged photographs of some of the events	[View File](#)
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1. Intra-Institutional Internship to all I year students through 11 verticals (Labs/Clubs)

Objectives:

The objective is to provide 4 week internship to all the students enabling them to experience hands-on session and implement their ideas as an internship project.

The Context

Multidisciplinary team is formed, and mentor has been allotted toprovide technical support.

The Practice

Students can come up with their own idea or a mentor shall allocate a problem statement for the internship. Students were regularly mentored, and necessary technical assistance/supports has been provided to successfully complete the internship.

Evidence of Success

The evidence of success is seen in the number of successful internship projects completed by students.

Problems Encountered and Resources Required

The Challenge is to provide the necessary infrastructure within 4 week duration and hence the laboratories are made available beyond working hours for the students.

2. Implementation of Face recognition attendance system for students and staff:

Objectives of the Practice

To automate attendance tracking, ensuring accuracy and efficiency while minimizing manual errors and time consumption.

The Context

Managing student attendance manually was time-consuming and prone to errors, necessitating a more efficient and reliable system.

The Practice

The system uses facial recognition technology to record student attendance automatically.

Evidence of Success

The system has significantly reduced attendance recording time and improved accuracy.

Problems Encountered and Resources Required

Challenges included high initial setup costs, training staff, and ensuring data privacy. Resources required were high-efficient Biometric devices, dedicated servers, and specialized software.

File Description	Documents
Best practices in the Institutional website	https://mvjce.edu.in/about-us/internal-quality-assurance-cell-iqac/
Any other relevant information	https://mvjce.edu.in/about-us/innovative-projects/

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Offering Ability Enhancement Courses at 3 Levels through 11 verticals:

These courses are introduced to expose the students to more industry related activities, and prepare them to be Industry Ready by the time they move out of the college. While introducing such specific activities, the sole objective has been to equip the students to face the demands of the industry. Courses are carefully crafted and implemented to expose the students to the practical aspects of Engineering, to nurture innovation, instil critical thinking and encourage hands-on training. Courses are

1. Idea Box – Innovation
2. Tomorrow's Engineers – Engineering Solution to Societal Problems
3. Tinkering Lab – Experiment and Conceptualize
4. UAV – Develop Drones
5. Astronomy – Explore the space
6. Robotics and Industrial Automation Lab – Design Robots
7. IoT – Connecting the world
8. FSIPD –Ideas to Product
9. Software Development - Code your ideas
10. LabVIEW – Graphical Programming
11. CNC Programming – Advanced Manufacturing

Three levels are designed and students can select any one course and progress in the same. It helps to inculcate creative and innovative thinking in students, and also to give them an opportunity to design and develop meaningful projects that provide solutions to some of the societal / industrial problems.

File Description	Documents
Appropriate link in the institutional website	https://mvjce.edu.in/about-us/innovative-projects/
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Action plan for 2023-24:

- New Research Labs in the emerging areas of Research
- Introduction of New Courses in emerging areas like Semiconductors, 6G if AICTE permits.
- Increasing visibility of the College
- Organize ATAL sponsored Faculty Development Programmes in emerging areas.
- Encourage quality publications from faculty and scholars in order to improve the h-index of the individual faculty and college.
- Increase the number of citations per faculty of the college.
- Increase the number of industry consultancy projects carried out by the faculty and students.
- Organize awareness workshops for IPR and Patent filing.
- Improve all the parameters of NIRF to enter NIRF band.
- Encourage faculty to submit project proposals to various funding agencies.
- Increase the number of industry collaborative projects.
- Organise various workshops to enhance the knowledge and update the faculty on recent trends in engineering and science.