



YEARLY STATUS REPORT - 2020-2021

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 **080 42991002**
- Alternate phone No. **080 42991000**
- Mobile No. (Principal) **9448345434**
- Registered e-mail ID (Principal) **principalengg@mvjce.edu.in**
- Address **Near ITPB, Channasandra**
- City/Town **Bangalore**
- State/UT **Karnataka**
- Pin Code **560067**

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://www.mvjce.edu.in/wp-content/uploads/2021/06/AQAR-2019-20.pdf>;

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-2020-21>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B++	3.00	2018	02/11/2018	01/11/2023

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
Prof. S. C. Gupta	R & D	ARDB	02/01/2020	Rs. 8,78,000
Prof. S. C. Gupta, Dr.P. Arunagiri	MODROB	AICTE	02/07/2020	Rs. 11,37,000
Dr.R.Rajasekar	R & D	ARDB	01/10/2019	Rs. 8,57,000
Dr. Vinoth Kumar. V	FDP	AICTE (ATAL)	16/12/2020	Rs.93,000
Dr.D.Tamilarasi & Dr.Shoaib kamal	FNIP	NIAS (IISc)	18/08/2020	Rs.1,20,000
Dr Vivekanand B Huddar	FNIP	NIAS (IISc)	17/08/2020	Rs. 86,500
Dr Vivekanand B Huddar	FNIP	NIAS (IISc)	17/08/2020	Rs.65,000

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)

Faculty training in National Education Policy 2020 Introduction of new courses in Thrust areas Formative Assessment for one of the courses in III Sem as a pilot project Implementation of NEP from 2021-22 Academic Year

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
Introduction of new courses in thrust areas	Applied to VTU and AICTE to start new courses in IIOT and Computer Science & Design
Faculty training in NEP 2020	All faculty members are trained

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

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	20/11/2021

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

- Year

Part A

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14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
29/01/2020	29/01/2020
15. Multidisciplinary / interdisciplinary	
MVJCCE is autonomous from 2019-20 and has the flexibility to design its own curriculum. It is planned to implement 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 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 will be introduced from 2021-22 by the affiliating university and the college will also follow the guidelines of the affiliating university.

16.Academic bank of credits (ABC):

The college has registered in National Academic Depository.

17.Skill development:

MVJCE has been conducting various skill Development courses for its students. The following skill development courses have been conducted in 2020-21.

"ARDUINO" by IIT-B Spoken Tutorial
 "JAVA" by IIT-B Spoken Tutorial
 "PYTHON 3.4.3" by IIT-B Spoken Tutorial
 "C" by IIT-B Spoken Tutorial
 "CPP" by IIT-B Spoken Tutorial
 "QCAD" by IIT-B Spoken Tutorial
 "OPENFOAM" by IIT-B Spoken Tutorial
 "PHP and MYSQL" by IIT-B Spoken Tutorial
 "PERL" by IIT-B Spoken Tutorial
 "HTML" by IIT-B Spoken Tutorial
 "RDBMS" by IIT-B Spoken Tutorial
 "OPEN MODELICA" by IIT-B Spoken Tutorial
 "SCILAB" by IIT-B Spoken Tutorial
 "QGIS" by IIT-B Spoken Tutorial
 "BLENDER" by IIT-B Spoken Tutorial
 "PYTHON" by IIT-B Spoken Tutorial
 "LATEX" by IIT-B Spoken Tutorial
 "RUBY" by IIT-B Spoken Tutorial
 "ANDROID APP USING KOTLIN" by IIT-B Spoken Tutorial
 "R" by IIT-B Spoken Tutorial
 "ADVANCED CPP" by IIT-B Spoken Tutorial
 "LIBRE OFFICE SUITE" by IIT-B Spoken Tutorial
 "ESIM" by IIT-B Spoken Tutorial
 "INKSPACE" by IIT-B Spoken Tutorial

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

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

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

Faulty members and students regularly adopt the Outcome Based Education Framework (OBE) and carry out many innovations in teaching-learning 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.

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 3741

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 948

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 3741

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

3.1 671

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded

3.2 221

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:	3741
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	948
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:	3741
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	671
File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded

3.2	221
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	221
Number of sanctioned posts for the year:	

4. Institution

4.1	360
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	

4.2	124
Total number of Classrooms and Seminar halls	

4.3	1140
Total number of computers on campus for academic purposes	

4.4	1196
Total expenditure, excluding salary, during the year (INR in Lakhs):	

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/autonomous-scheme-syllabus/

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	View File

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

674

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	View File
Any additional information	View File

1.2 - Academic Flexibility

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

308

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

cross-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 Non-Conventional 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

27

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	View File

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

4035

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

2169

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
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File Description	Documents
Provide the URL for stakeholders' feedback report	https://mvjce.edu.in/wp-content/uploads/2022/07/Feedback-and-action-taken-report-NAAC.pdf
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
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File Description	Documents
Provide URL for stakeholders' feedback report	https://mvjce.edu.in/wp-content/uploads/2022/07/Feedback-and-action-taken-report-NAAC.pdf
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

912

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)

338

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.

MVJCE organizes induction programmes for freshers. The purpose of our Student Induction Program is to make them aware of the facilities in the college. This process serves as a base for monitoring the future progress of the students. The Institute has developed a structured mechanism for assessing the knowledge level of the students, and continuously monitors this for improving their academic as well as overall performance.

The learning levels of the students are assessed, based on their performance in CIE and SEE, in each semester. On the basis of their 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.

After the completion of each CIE, the students who have secured less than 60% in each subject are identified as slow learners. Faculty mentors continuously monitor their performance, and corrective measures are taken. Faculty mentors do periodic interactions with parents, and update them on the performance of their wards. Remedial classes are conducted to improve the performance of these slow learners.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvjce.edu.in/events/induction-programme-report2020-21/

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
10/02/2021	3741	221

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.

E-learning platforms are provided to students to facilitate independent learning, wherein they can access course contents online. Thus e-learning platforms complement classroom learning, and also supplement advanced learning.

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.

Experiential Learning:

Laboratory Sessions, with students challenged to do experiments beyond the syllabus content.

Summer Internship

Add-on Courses on latest technologies, with NPTEL, ICT-IITK, Coursera etc.

Project Development on latest technologies by students - they get to showcase their working models at technical fests.

Industrial Certification Courses (Value-Added Courses) by market experts such as Microsoft/ Google/ NSE etc. to develop their skill and expertise.

Participatory Learning: Annual Tech Fest & Culturals, Quiz Programmes , & Presentation and publishing of Papers in Conferences and Journals

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 MOOC courses, and participate in various inter-college and intra-college technical fests and other competitions.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://mvjce.edu.in/category/achievements/

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

MVJCE constantly upgrades its IT facilities in order to make learning more creative, innovative and informative. The entire campus is enabled with Wi-Fi facility with a bandwidth of 1.2 GBps. Entire campus is having Wi-Fi facility to make available resources. Many classrooms are equipped with LCD projection system, Screens and Green Boards. Students are using online public Access Catalogue which include digital library, Bibliography, E - Journals, E - Books, E- Databases. In addition to chalk and talk method of teaching, the faculty members are using the ICT enabled learning tools such as PPT, Video clippings , Audio system, online sources, MOOC, NPTEL videos to expose the students for advanced knowledge and practical learning. The major emphasis is on classroom interaction in terms of research paper presentations, seminars, group

discussions, assignments, quiz/tests/viva-voce and laboratory work.

IT help desk is functioning in the campus for resolving the various issues.

LIST OF ICT TOOLS USED BY TEACHERS

1. Smart class room
2. Seminar Halls
3. Computer assisted learning
4. Webex online class room
5. Microsoft Teams online class room
6. LMS materials available in 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://mvjce.edu.in/video-lectures/
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

218

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 is prepared and circulated to the faculty. It is displayed on the notice board after the approval of the Principal, Vice-Principal 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

221

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

60

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)

841

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**

25

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

MVJ College of Engineering is an autonomous institute, affiliated to VTU, Belagavi. The rules and regulations of the examinations are laid down by the affiliating University and are communicated to the students through the syllabus book provided at the beginning of the first year of their academic program. An academic calendar is issued every year before commencement of the academic year in June.

Examination Procedures:

The examinations for the autonomous courses are conducted into two categories 1. Continuous Internal Assessment (CIE), 2. Semester End Examination (SEE). The schedules of examinations are communicated to students and faculty at the beginning of the semester through institute academic calendar which is prepared based on the university academic calendar. The whole examination process is executed as per the direction of the Office of the Controller of Examination.

Processes / Procedures integrating IT:

The examinations were conducted based on Calyxpod and Microsoft Teams software by executing in a secure, accurate and efficient to maintain confidentiality for the smooth conduction of examinations.

Continuous Internal Assessment System:

It is based on 3 CIE test, Quiz, Assignment, Mini-Projects, Major Projects, Model Making, Flipped classes, Seminars, Simulations, Field survey & AICTE Activity point etc. The subject faculty, senior faculty and HOD prepare the Question bank on various RBT Levels and mapped to COs to assess the

students. The HOD submits the question bank to COE office and exam committee coordinators sets the question paper and gets the approval from the Principal.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mvjce.edu.in/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, Program Outcomes and Program Specific Outcomes of the college is communicated effectively to all stakeholders namely students, faculty, parents, industry, regulating authorities, alumni, management, etc

MVJCE follow the Program Outcomes (POs) defined by National Board of Accreditation (NBA) and are to be fulfilled by all the programs. The Course Outcomes (COs) for each subject is available in syllabus are defined by concerned faculty member in consultation with other faculty teaching the same subject and HOD. Learning Outcomes of the Programs and Courses are observed and measured periodically by IQAC.

The POs, PSOs and COs are available on college website and are also communicated to students, teachers and other staff by displaying at following location:

1. College website
2. Prominently displayed on department notice boards and laboratories
3. Department Newsletter, Magazine, Brochures and prospectus.
4. Lab manuals
5. Disseminated in Placement trainings
6. Disseminated during student seminars and orientation

program

7. Department Handbook
8. Survey Forms
9. Academic Calendar
10. Internal Answer Booklets
11. Syllabus Book

The COs, POs & PSOs is also disseminated to students through faculty announcements to the students 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

- Direct methods develop the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations, seminars and laboratory, assignments etc. These methods provide a sampling of what students know and/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.
- The Evaluation of attainment of POs and PSOs based on the mappings from COs to POs and PSOs.
- Indirect methods such as surveys ask the stakeholders to reflect on students learning. They assess opinions or thoughts about the graduate's knowledge or skills and their valued by different stakeholders which are used to evaluate the attainment of POs and PSOs.
- POs and PSOs are achieved through curriculum, co-curricular and extra-curricular activities.
- Target levels of attainment of POs and PSOs are set; Program is delivered; actual attainment of POs and PSOs are determined; The loop is closed either by increasing the target level for the next cycle of the program or by planning suitable improvements in all the relevant

activities to increase the actual attainment.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://sgeio-my.sharepoint.com/:b:/g/personal/suguna_mvjce_edu_in/EQjNtm19jJFIjONUKW0dCx8BrW_jf6oKogWgLRFWOjMDpw?e=3uvvnh

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

948

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://sgeio-my.sharepoint.com/:b:/g/personal/m_bsudhan_mvjce_edu_in/EUKLEXohg5dLulX8dPYo2RIBD7pmkJsAL0uR1WY1mnf3sQ?e=rDrgru7

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/internal-quality-assurance-cell-igac/>

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.It

enables 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 of Dr. 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/research-development-cell/
Any additional information	View File

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)

1.04044

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	No File Uploaded

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	View File

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)

57.45559

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

33

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

14

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

9

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	http://www.drdo.gov.in ; https://www.aicte-india.org/ ; https://www.kscst.org.in/ ; https://www.iiche.org.in/ ; https://atalacademy.aicte-india.org/ ; https://iisc.ac.in/ ; https://www.indiascienceandtechnology.gov.in/ ; https://nif.org.in/ ; http://www.vgst.in/ ; https://vtu.ac.in/ .
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, Industry-Academia 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 well-established and vibrant Institute Innovation Council (IIC) which strengthens other cells such as EDC, Idea Box, IIPC, Tomorrow's Engineers, 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	mvjce.edu.in/campus-life/

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

52

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 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

A. All of the above

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

3

File Description	Documents
URL to the research page on HEI website	https://mvjce.edu.in/research-development-cell/
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

85

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

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

2

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://link.springer.com/chapter/10.1007/978-981-33-6984-9_19

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

132

File Description	Documents
Any additional information	No File Uploaded
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

877

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

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

0.294

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	No File Uploaded

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

6112527

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 self-confidence. 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/nss/

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

1363

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)

428

File Description	Documents
Reports of the events organized	View File
Any additional information	No File Uploaded

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

1367

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

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

1149

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

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	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

MVJCE has state-of-the-art infrastructure, creating an environment for progressive learning and development. All classrooms are Wi-Fi enabled. Six departments of MVJCE are VTU-recognized research Centres.

During the pandemic period, the academic activities remained unaffected. Classes were conducted on the Microsoft Teams platform. The institution has a Microsoft office 365 A1 plus licence and all students and faculties were provided with an organizational account. All the classes conducted were recorded and recordings were uploaded in Streams where the students can access them anytime.

Apart from regular labs, we have R&D Labs, industry tie-up laboratories like, Infosys campus connect lab, UAV lab, NI lab

etc. in order to fill the gap between the curriculum and industry. The number and area of the classrooms and labs are as per the requirement specified by the statutory bodies.

LMS of MVJCE is a student-centric learning facility for the students to refer to the study materials anytime within the campus premises. It is a centralized source for study materials and slide-based presentations for all the branches.

For each subject, there is a one-hour NPTEL session allocated per week. The pre-recorded NPTEL videos are shown to the students during NPTEL hour

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvjce.edu.in/wp-content/uploads/2018/02/Special_programs_for_advancedlearnerslowlearners_Learning.pdf

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 at MVJ College of Engineering. The Physical Education Department of MVJCE is equipped with a multitude of sports-centric facilities for both indoor and outdoor sporting events and these facilities are optimally utilised.

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 athletic events.

The indoor sports facility at MVJCE includes practice/training rooms for Wrestling, Judo, Table Tennis, Chess and Carrom. The Weight lifting and Powerlifting training facility is also available at our campus.

We 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. An experienced trainer is available at the gymnasium to assist the users.

The practice of Yoga fosters harmony in the body, mind, and environment. The college organizes Yoga sessions frequently to create awareness among the staff and students. The service of a certified Yoga trainer is available in the campus for the various Yoga related activities,

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://mvjce.edu.in/sports/

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

124

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)

122

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The library is fully automated and all the library documents are bar-coded

Since the Library is fully automated, the holdings of the library could be searched using OPAC (Online Public Access Catalog). The holdings include the books and Journals, syllabus, question papers and Project reports.

The library is a member of the DELNET for the last 5 years. DELNET gives access to E-Books and 5000 full text E-journals. It is being extensively used for ILL and searching the database of other member libraries.

The library has become a member of the NDL to access the vast e-resources that are available on the Delnet database.

The library has an internet facility through which the e-resources could be accessed.

On average, around 1000 students make use of the library resources as most of the day time the students are attending the classes . A register is maintained in order to know the number of users who 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.

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

34

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

1031

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 network switches (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:

1108 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 firewall at the IT department

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3741	1140

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. 750 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/media-centre/
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)	
1074	
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 a structured system for maintaining and utilizing the facilities available. Facility management team maintains the physical and academic support facilities. The various responsibilities of the team are housekeeping activities, maintenance of the Garden, pest control, entire campus snag work, etc.

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

The computers are maintained by IT help desk. This division provides the integrated IT services like smooth running of automation, up-gradation and maintenance of automation package, college website, biometric services, troubleshooting of hardware, networking equipment including internet connectivity, procurement of hardware, software etc.

The equipment and machinery 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 trains the students. The marker of the department makes the playfield ready for the students, by marking the ground and providing the play kits.

The Security of the college is headed by the Security officer, supported by security guards. Security officer assigns the duty to the security guards to control and monitor the college the premises

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://mvjce.edu.in/maintenance-2/

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	
1882	
File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded
5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year	
147	
File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	No File Uploaded
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/event/
Details of capability development and schemes	View File
Any additional information	No File Uploaded
5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year	
3565	

File Description	Documents
Any additional information	No File Uploaded
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 through appropriate committees

A. All of the above

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

700

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

33

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

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

14

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

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

28

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

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

Though the Institution does not have a Student Council, there are Societies/Clubs, the heads of which are part of the Council which oversees all the cultural, sports and literary activities at MVJCE. Similarly, the heads of the technical clubs are responsible for all technical activities at MVJCE. The objective

is to make the students participate in the development of the Institute, and at the same time, develop personally, honing their personality, organizational skills and careers through interactive programmes with the faculty, administration and society. Thus, students are offered a vibrant platform for co-curricular and extra-curricular activities, with active support from faculty members. In addition, every class has a Class Committee that meets twice in a semester, comprising of students and faculty members. This committee sets the rules and regulations for class behaviour. It serves as the voice of the students, and has a say in academic matters such as the conduct of tests and so on.

Students' representatives are present in various committees like Anti-ragging Committee, Internal Complaints Committee, Students' Grievance Redressal Committee, IQAC, Women Empowerment Cell, Sports Committee, Entrepreneur Development Cell (EDC) and Hostel Committee. The Institution also provides avenues for the development of technical skills, updating knowledge, personality development and service to the society, through various technical clubs/societies like the Software Development Club, Astronomy Club, Tomorrow's Engineers Club, Health and Hygiene Club, Music Club, Dance Club, Theatre Club, IEEE, Literary Club etc.

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

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

17

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, 'MVJCE Alumni Association' was formed under the provisions of the Karnataka Societies Registration Act, 1960.

The main Objectives of the Alumni Association are:

- To provide a forum for bringing our Alumni together.
- To promote professional, cultural and social contacts among the members.
- To enhance the growth and prosperity of this great Institution and her progeny.
- To create opportunities for our students, and kindle their spirit of entrepreneurship through interactions with the Alumni.

Activities under the Alumni Association:

- The Alumni keep visiting the College as Resource Persons for invited lectures.
- Some of our Alumni are members of our Board of Studies, Department Advisory Committee and IQAC.
- The Alumni are playing a vital role in shaping the curriculum to meet the demands of the industry and making students industry-ready.
- The Alumni keep the faculty and Placement Officer abreast of job opportunities that are available. They assist and guide the students to crack interviews. They share their experience and expertise with students and motivate them for their career development in various domains.
- Many of our Alumni have visited our campus as recruiters for the companies where they work, recommending and promoting our students for campus placements.
- Some of our Alumni have established startups in different sectors. They share with our students their success stories and challenges that they have faced along their journey, motivating our students to choose the entrepreneurial path.

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://mvjce.edu.in/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

Curriculum Development

The academic autonomy that MVJ College of Engineering enjoys has given it the freedom to design and adopt a new curriculum to make a shift from rote learning to experiential learning. Experiential learning will help students to think critically, and acquire problem-solving skills, which are so important in their future careers. As decided at the IQAC meeting, at least 20% of experimental study and its analyses have been introduced, in all the courses. The curriculum was developed by a strong team of experienced faculty members and industrial and academic experts in the respective domain, discussed and deliberated at the Board of Studies meeting, and then placed in the Academic Council for final approval.

Every course is divided into five modules and every module has laboratory sessions for the implementation of experiential learning. MVJCE has designed the curriculum in such a way that it meets global requirements, adopting a teaching-learning process that brings about innovation, draws out the creativity that is latent in students and enhances their rational, analytical and logical thinking, the proof of which is which is evident in the Semester End Examination results and continuous assessment. Students have also brought in many innovative ideas to be implemented as projects.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mvjce.edu.in/internal-quality-assurance-cell-igac/
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, IIPC, 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/accreditation/
Upload any additional information	View File
Paste link for additional Information	https://mvjce.edu.in/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) Document	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.
- 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
Paste link for additional information	https://mvjce.edu.in/campus-life/ https://mvjce.edu.in/research-development-cell/

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

115

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

56

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.)

213

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 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.
- 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
Paste link for additional information	Nil

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)

1,26095

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	No File Uploaded

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

Sources of funds for the Institution:

- Tuition fees collected from students, and fees collected for other services like transportation, Gym, Registration Fee for Workshops, Skill Enhancement Programmes etc.
- Grants from ISRO/AICTE/KSCST/IUCCEE/IICHE/IETE/DRDO
- Fees collected from students is kept as Fixed Deposits in the bank accounts of the College. A part of these fixed deposits is short-term, which mature after 30 days or less, and the rest are for a long-term period like 1 to 2 years.

Mobilizations of funds:

The short-term deposits are used for the monthly salaries, campus and infrastructure maintenance, purchase of library books, faculty and student skill development programmes, staff welfare, college promotional expenses etc. Long-term deposits are used for any infrastructure construction or development projects in the campus.

Utilization strategies of the funds:

Every department proposes its budget at the beginning of each financial year and funds will be allocated according to the financial requirements of each department. 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 also prepared to ensure that funds are utilized properly, and to allot more to the areas where there is a shortfall.

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. The Institution 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.

During the pandemic, online tools, open-source 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 - 40 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/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. Students

are 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/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/accreditation/
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

MVJCE has been taking specific initiatives to facilitate gender equality and women empowerment:

1. **Women Empowerment Cell:** WEC aims to empower girl students, to ensure their safety in the college campus, and to tackle women-centric issues. WEC conducts various programmes to educate and sensitize both male and female members, and create a harmonious atmosphere on the campus.

2. **Internal Compliance Committee:** The objective of ICC is the prevention, prohibition and redressal of sexual harassment of women employees and students. ICC hears complaints and grievances related to incidents of sexual harassment. The Committee members are ever vigilant, and ensure that no untoward incidents occur on the campus, by creating awareness and having open dialogues with students and staff.

3. **Anti-Ragging Committee.** The Anti-Ragging Committee aims to prevent and prohibit ragging in the campus.

MVJCE leaves no stone unturned to ensure the safety and security of students and staff. Around 374 CCTVs are deployed across the campus, for round-the-clock vigil and surveillance. Separate timings are earmarked for girls to utilize the gym facilities; there are separate elevators for girls and lady staff. There are separate Common Rooms for boys and girls, with indoor game

facilities, magazines and newspapers. There is an exclusive Common Room for faculty too, to create a stress-free environment for them. Many Gender Equality Promotion programmes are arranged in the MVJCE campus, from time to time.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://mvjce.edu.in/aicte-statutory-committees/

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

B. Any 3 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, radioactive 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.

2. Liquid Waste management: MVJCE utilizes Rainwater Harvesting technology to collect and store rainwater from clean surfaces. The waste water 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.

4. Hazardous chemicals and Radioactive Waste: Disposal of chemical waste is coordinated by the Facility Management Division. The College has made it compulsory for bottles /containers with chemicals to have clear labels specifying the contents, before disposal.

Website: <https://www.mvjce.edu.in/sustainability-initiatives/>

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:

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**

A. Any 4 or All of the above

- 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**

A. Any 4 or all of the above

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

A. Any 4 or all of the above

and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, 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).

Activities such as celebration of days in memory of eminent personalities and celebration of National festivals pave the way for an inclusive environment, by bringing students and teachers from diverse backgrounds on a single platform. India is a unique nation, whose fabric has been woven from diverse linguistic, cultural and religious threads, held together into a composite national identity. MVJCE spares no efforts to reinforce this unity in diversity through various activities and initiatives that bring together young minds from different milieus.

MVJCE has an EBSB (Ek Bharat Shreshtha Bharat) Cell, which organizes programmes to promote understanding and enhance interaction between people of different states through the concept of State/Union Territory pairing. The EBSB Cell conducts activities on a regular basis to promote a cultural connect with other Indian states, in the areas of language, culture, music, tourism, cuisine etc.

Special days like the Sadbhavana Divas organized by the NSS unit of MVJCE, Rashtriya Ekta Diwas etc. foster the spirit of peace, affection and communal harmony among students and staff hailing from diverse linguistic, regional and communal backgrounds. Some

special events organized in 2021:

- Lecture on Art and Culture of Karnataka
- Poster making competition on Uttarakhand heritage, organized by EBSB Cell & IQAC
- Guest Lecture on 'Environmental Sustainability and Pollution Prevention'
- Pledge on Swachh Bharat, organized by EBSB Cell

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:

Just as we have duties towards our family, we all have a duty towards our country also. MVJCE organizes various activities to sensitize its students and employees to their constitutional obligations: the values, rights, duties and responsibilities, as citizens of India.

- 'National Voters Day' was organized.
- 'Vigilance Awareness Week', on the theme Satark Bharath, Samriddh Bharath, was celebrated. This awareness week affirms our commitment to the promotion of integrity and probity in public life, through citizen participation.
- To work on the patriotism, honesty and confidence of students, a session on Universal Human Values was organized.
- 'Road Safety Week' was observed to create awareness among students regarding traffic rules, thereby reducing road accidents. This event was organised in co-ordination with NSS Unit and Whitefield Traffic Police.
- The NSS unit of MVJCE organized an RTPCR test drive, in association with BBMP, for students and employees of our institution.
- A COVID-19 vaccination drive was organized with two

approved vaccines - Covishield and Covaxin. Students and staff got themselves vaccinated.

- The department of Primary and Secondary Education, Karnataka Government, conducted the SSLC examination in July 2021. Due to shortage of manpower, the Youth for Seva (NGO), collaborating with VTU Belgaum, enlisted the NSS students from MVJCE on examination duty, for crowd maintenance and Covid 19 screening.

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	View File

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

and festivals

India is a land of cultural diversity. Many festivals are celebrated and each of these has its own significance. MVJCE regularly celebrates and organizes commemorative days, events and festivals. The following events were celebrated during the academic year 2020-21:

- The 72nd Republic Day was celebrated in the College campus, inspiring students with patriotism and love for the motherland.
- The 75th Independence Day was celebrated in the College, with a lot of fervour.
- International Yoga Day was organized by NSS unit, MVJCE, on 21st June, 2021. The theme of the International Yoga Day event this year was 'Yoga for Wellness', a theme aligned with the current situation.
- Pi Day is an annual celebration of the mathematical constant π . The Mathematics Department organized the event 'Calculation using Calculator' on Pi Day, in 2021.
- National Mathematics Day is celebrated every year on December 22nd, honouring the birth anniversary of the Mathematical genius Srinivasa Ramanujan. The Mathematics Department celebrated National Mathematics Day - 2020, on 22nd December.
- The 53rd Engineer's Day celebration was organized by the Department of Civil Engineering to commemorate the 159th Birth Anniversary of Bharat Ratna Sir M Visvesvaraya.
- To celebrate World Water Day, the Civil Engineering department organized a talk on 'No Life Without Water', on 22nd March, 2021.

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	View File

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

Best Practice 1 - Tinkering Lab

Tinkering Lab promotes innovation and entrepreneurship among students, and helps them discover the joy of creation. They experience the process of creating technology, right from ideation to prototyping. The Lab is open to students across all departments. It helps them in learning to work as a team and is a good platform for interdisciplinary research.

Many interesting projects like Braille book, Biotic semipermeable membrane using fruit peel waste, Smart Helmet, Boco.aid, Multi-functional AI-assisted drone and Alternative fuels using plastics, have taken birth at the Tinkering Lab, students have presented these at conferences and in journals, and won accolades.

Best Practice 2 - Design of Innovative Curriculum

MVJCE has designed a new curriculum to make a shift from rote learning to experimental learning. For every theoretical concept, an experimental study has been introduced, to help students understand the concept thoroughly, and acquire problem-solving skills. Every course is divided into five modules, and every module has laboratory sessions to facilitate experimental learning. To bridge the gap between Academia and Industry needs, Value-Added Courses are included in the curriculum.

The new curriculum was developed by a strong team of faculty members, with the BoS comprising of industrial and academic experts vetting it. It meets global requirements, stimulates innovation, and enhances rational and logical thinking ability of students.

File Description	Documents
Best practices in the Institutional website	https://mvjce.edu.in/tinkeringlab/
Any other relevant information	Nil

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)

MVJCE has technical labs/clubs to impart holistic education. These labs/clubs are designed to enrich creativity, critical thinking and problem-solving skills, providing a platform for hands-on training.

1. UAV Lab

The UAV Lab, nurtured by the Aeronautical Engineering department, offers students technical assistance to pursue their projects in the domains of design, development, testing and certification of UAVs.

2. Idea Box

Idea Box is a unique flagship initiative of MVJCE which encourages students across all disciplines to present their innovations - they are supported across every stage of the innovation. Idea Box is linked to the College website, where students' ideas are received, and shortlisted for incubation and development.

3. Robotics and Industrial Automation Centre

MVJCE established Robotics Centre in 2016. The Lab is equipped with advanced tools and equipment like 3D Printers, PCB Printers, Pneumatic Machines etc. to aid students in executing their innovative ideas. Industry-level training is also being imparted, as part of the Lab initiative. Braille Pad, Smart Helmet, 3D printer, e-MAD drone and dBook are some of the much-acclaimed innovations from this Lab.

4. Student Development Programme on Foundation Skill in Integrated Product Development (FSIPD)

FSIPD aims to set new standards for knowledge sharing between the industry and educational institutions. MVJCE works on the students' skills, focusing on practical exposure through programmes and workshops hosted by industry experts and faculty members, for getting our students job-ready.

File Description	Documents
Appropriate link in the institutional website	https://mvjce.edu.in/campus-life/
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. Enhance the quality of publications.
2. Enhance the innovative projects of students and motivate them to take part in many competitions.
3. Implementation of NEP 2020 and frame curriculum for the same.
4. Enhance funded projects.