YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	MCKV INSTITUTE OF ENGINEERING
• Name of the Head of the institution	Prof. Abhijit Lahiri
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	03326549315
• Alternate phone No.	03326549317
• Mobile No. (Principal)	9674246187
• Registered e-mail ID (Principal)	principal@mckvie.edu.in
• Address	243 G. T. Road (North), Liluah
• City/Town	Howrah
• State/UT	West Bengal
• Pin Code	711204
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	10/10/2019
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Dr. Satadal Saha**
• Phone No.	**03326549315**
• Mobile No:	**9836149699**
• IQAC e-mail ID	**iqac@mckvie.edu.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/09/21145022/AQAR-2020-21-Downloaded-29.07.22.pdf
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.mckvie.edu.in/wp-content/uploads/2021/09/Academic-Calendar_2021-2022.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.02**	**2017**	**30/10/2017**	**31/12/2025**

6.Date of Establishment of IQAC	**29/09/2016**

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
NA	**NA**	**NA**	**Nil**	**NA**

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	4	
• 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)

? Installation of Institution's Innovation Council (IIC) for the implementation of NISP. ? Adopting blended mode of teaching while coming back to new normal condition after COVID-19 pandemic. ? Conducting placement oriented training program for final year students for achieving better hit ratio in the placement drives. ? Conducted FDP, Seminar, Conference, Workshop, Expert lecture, Training etc. for the students and/or staff members. ? Conducted various awareness programs and outreach activities addressing social issues.

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	The institute has started following emerging technology and skill-based bachelor degree courses from the academic year 2021-22. • B.Tech. in Artificial Intelligence and Machine Learning • B.Voc in Software Development • B.Voc in Automobile Servicing • B.Voc in Automotive Manufacturing Technology
To establish laboratories equipped with tools in conformity with emerging technologies to start skill-based certificate courses.	A Center of Excellence in 3D Printing has been established to bring together industries, R&D institutions, and academics to hold manufacturing problems using 3D printing technologies with the aim to bridge the gap between basic research, product design and development, and provide cutting-edge solutions. An Electric Vehicle (EV) Laboratory with Logiczap NextGen Technologies has been established to provide skilled and employable engineers in the rapidly evolving domain of electric vehicles. The objective of lab is to focus on performing hands-on practical training, skill development, EV Internship, research and development to support a wide array of EV technology.
To create additional rooms and laboratories by optimally utilizing the available space for the upcoming new courses.	Additional infrastructures have been created as per the need of the new courses.
To automate various academic and administrative processes including examination system.	The admission system and examination system have been fully automated using ERP. Other administrative systems are in

	the process of inclusion in the ERP.
To upgrade Library Resources to include video lectures, study materials etc. which can be accessed by Students and Faculty online.	The library resources have been upgraded. The video lectures made by the faculty members are being uploaded in the local server. The scanned copy of the study materials is available online.
To sign MOU's with Industry Associations to promote Academia –Industry Linkages, to enable placements, internship, training, etc. for the students.	Several MOU's have been signed with industries to promote industry-academia linkages. 1. Elmax Systems and Solutions Pvt. Ltd. for training/internship for the faculty members and the students for capacity building. 2. Skill Academy for complete preparation for job/training/internship. 3. Logiczap for training students to provide skilled and employable engineers in the rapidly evolving domain of electric vehicles. 4. Ardent Computech Pvt. Ltd. for training and involving the young and talented students for research and development activities. 5. IP EVER LLP for guiding the institute for patent filing. 6. Edunet Foundation for different Upgrade Campus Program. 7. Euphoria GenX for visiting lectures for students and faculties, guidance of industrial project, organizing seminar/workshop/conference/ symposium, guidance and opportunities for live project/ internship, IRG by R&D activities, EDP, internship absorption program. 8. Engineering Institute of Technology (EIT), Australia for

	conducting a variety of joint academic and educational initiatives.
To establish national and/or international collaborations with academia to promote collaborative research for faculty members and internship for the students.	An International Memorandum Of Understanding (MOU) has been signed between Engineering Institute of Technology (EIT), Australia and MCKV Institute of Engineering keeping in view a variety of joint academic and educational initiatives like exchange of faculty experience, providing seminar/invited talk, carrying out joint research, providing training/internship for the students etc.
To foster and strengthen relationship of Alumni with the Institution.	All the departments have carried out Alumni Interaction programs and discussions were made with them to get the suggestion regarding curriculum improvement to make the students ready for the industry. They have also suggested about the formation/modification of the Vision, Mission, PEO and PSO in accordance with NBA guidelines.
To encourage faculty member to apply for IPR.	The faculty members are encouraged to apply for IPR under KAPILA through Institution's Innovation Council. Some of the faculty members have published patents.
To continue organizing Extension Activities for the benefit of the Society and to create awareness on various social issues.	The institute has organized a number of extension activities around its premise and also in the neighbouring district through its NSS unit and Rotaract Club. Around 500 students participated in those programs as a whole.
13.Was the AQAR placed before the statutory	Yes

body?

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Body	23/12/2022

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

- Year

Year	Date of Submission
2021	28/02/2022

15.Multidisciplinary / interdisciplinary

The institute incorporates 8 departments, viz. Basic Sciences, Management Science and Humanities, Automobile Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering, Information Technology, Mechanical Engineering conducting 9 UG level engineering programs and 1 PG level engineering program and 1 PG level management program. All the departments are well equipped with the teaching-learning amenities including state-of-the-art laboratories. The institute is preparing itself for offering multidisciplinary / interdisciplinary facility to the students.

The curriculum of all programs contains a section called Open Electives, which contains a basket of elective course primarily from other disciplines. The students submit their choice of interest in taking one elective course from each such basket to develop their multidisciplinary knowledge.

The institute organizes annual technical competition called Technotica, which is a multidisciplinary event where the students from different departments of the institute form small groups and exhibit innovative projects in an open platform.

The institute also organizes another annual event called PRAYAS, which is a students' technical article competition where students from different engineering colleges including ours form small groups

and submit their innovative research ideas in the form of technical article and selected articles are being presented by the in an open platform.

The institute encourages the students to adopt their curriculum project as a multidisciplinary one so that a holistic knowledge up gradation can be developed amongst them.

The institute has framed its National Innovation and Startup Policy and is implementing it through its Institution's Innovation Council. All the faculty members are being encouraged to proactively inspire the students and involve them towards better innovation. A set of well structured committees have been framed for efficient implementation and monitoring of the whole process.

Though the institute has started its autonomy only 2 years back, it has been continuously in the process of modifying its curriculum as per the need of the society so that better man power can be delivered to the industry for providing efficient engineering solutions to mitigate the societal problems. While designing the curriculum, the basic structure and the guidelines as provided by AICTE and the affiliating university have been maintained. The whole curriculum consists of a cluster of courses on management, basic sciences, engineering sciences, professional core, professional elective, open elective, project/seminar/internship and mandatory courses. The credit score amongst different sections and the total credit score are also been set as per the guidelines provided by AICTE and affiliating university, as given below.

Sl. No.	Category	Breakup of Credits
1	Humanities and Social Sciences including Management courses	12
2	Basic Science courses	25
3	Engineering Science courses including workshop, drawing, basics of electrical/mechanical/computer etc.	24
4	Professional core courses	48
5	Professional Elective courses relevant to chosen specialization/branch	18
6	Open subjects – Electives from other	18

	technical and /or emerging subjects	
7	Project work, seminar and internship in industry or elsewhere	15
8	Mandatory Courses [Environmental Sciences, Induction training, Indian Constitution, Essence of Indian Traditional Knowledge]	Non-Credit
	Total	160

On the basis of students requirement and market demand, the individual department in consultation with the stakeholders framed a curriculum where students has the flexibility of choosing professional and open electives. Moreover, a student will be eligible to get Under Graduate degree with Honours if he/she acquires an additional 20 credits. Here, students have full flexibility of choosing subjects from sciences, humanities, creative arts etc.

The institute implements and provides courses involving flexible and innovative curricula as being framed as an autonomous institute. The institute boasts of very active and vibrant bodies like NSS, Rotaract Club and is also a recipient of the Unnat Bharat Abhiyaan Scheme from MoE, Govt. of India, under which the institute has adopted 5 villages of Burdwan (East) district of West Bengal. The curriculum consists of courses on Environment Sciences and Renewable Energy. The institute has set up a grid connected 5KW Roof Top Solar Generating Station (RTGS) through it enthusiastic faculty members and students. To inculcate the value-based education to the students the courses named Values and Ethics in Profession and Universal Human Values have been incorporated in the curriculum. The faculty members are also being encouraged to attend workshops on Universal Human Values, as being conducted by AICTE from time to time. The institute has also setup Swami Vivekananda Centre for Positive Thinking at its premise, which regularly conducts seminars, invited talks for inculcating the life skill and value education to the students and the staff members of the institute. Through these initiatives the institute is already involved in community engagement and service, environmental education and value based education.

The institutional will plan for offering curriculum framework with multiple entries and exits as and when the provision is being incorporated by the affiliating University.

The institute organizes annual technical competition called Technotica, which is a multidisciplinary event where the students from different departments of the institute form small groups and exhibit innovative projects in an open platform.

The institute also organizes another annual event called PRAYAS, which is a students' technical article competition where students from different engineering colleges including the internal students of the institute form small groups and submit their innovative research ideas in the form of technical article and selected articles are being presented by the in an open platform.

The institute is working on adopting good practices to promote Multidisciplinary / interdisciplinary approach in view of NEP 2020.

16.Academic bank of credits (ABC):

As per the guidelines of NEP-2020, the institute is in the process of implementing ABC.

The institute is an autonomous institute working under the affiliating university. It runs its own curriculum as designed by the BoS and approved by AC and BoG. The Institute already has an ERP system in place where all student details starting from their personal details, attendance, continuous assessment and semester examination related details are entered. All the details regarding the registration and examination are shared with the affiliating university so that there is a seamless flow and access of all student related data between the college and the university. Thus, as and when the university adopts the ABC, the institute has all necessary infrastructure in place to implement it. Further, the institute already offers elective courses where students have the flexibility to opt preferred courses. So, institute will be able to adapt to the multiple entry, exists and collaborations with other institutes, universities and international institutions regarding the same.

The faculty members of the college have completely migrated to the blended mode of teaching-learning pedagogy where they provide tailor-made solution to their students and have completely implemented the leaner-centric approach. Faculty members not only provide relevant online and offline resources to the students but also develop and

deliver content whenever there are gaps in the understanding level of students in addition to regular classroom teaching-learning, to have a more effective and efficient knowledge transfer. The faculty members of the institute are constantly engaged in the creation of online contents including text materials, instructional videos, demonstrational videos, remedial and tutorial sessions to help the students achieve their best. The faculty members are highly motivated to conduct seminars/ workshops/ invited talks on the cutting edge technologies for the students to make them ready for the future.

17.Skill development:

The institute offers to its students optional skill enhancement courses as per their aptitude, curriculum and courses which are best suited to their needs. In addition to these courses, the institute also offers generic skill enhancement optional courses which also aim to develop discipline related skills and hands-on approach. The institute also offers mandatory courses on language skill, soft skill, general aptitude skill, values and ethics and environment science as part of the ability enhancements courses.

The institute runs following three skill enhancement courses from the academic year 2021-22.

1. B.Voc in Software Development

2. B.Voc in Automobile Servicing

3. B.Voc in Automotive Manufacturing Technology

Implementation of these skill based courses, with developed content and curriculum as per the need of the society, will cater the necessity of the industry of the current time. The institute has tie up with different companies for capacity building training, industry training and internship of the students.

The institute has setup Swami Vivekananda Centre for Positive Thinking at its premise, which regularly conducts seminars and invited talks for inculcating the life skill and value education to the students and the staff members of the institute. It also conducts various activities throughout the year to serve for the society, which educate, sensitize and help develop a positive value based mindset and attitude amongst students.

The Rotaract Club of the institute consists of a large group of

energetic and enthusiastic students, which takes initiatives in serving for the underprivileged people of the society. It is also involved in holistic development of the environment by tree plantation, spreading insecticides/ germicides around the slum area; and organizing blood donation camp thereby helping in the healthcare system of the society.

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

Induction training, Indian Constitution and Essence of Indian Traditional Knowledge are incorporated within the autonomous undergraduate curriculum as mandatory courses.

Though the main medium of teaching is English, the faculty members normally deliver the speech in Hindi and Bengali also depending on the need of the students.

To promote Indian arts and culture, several events are organized throughout the year, where national and regional languages are used as per the need of the program. The tradition of the institute is to inaugurate any such program using Ganesh Vandana, which uses Sanskrit sloka. Different regional arts and/or cultures are being exhibited in such type of cultural programs.

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

As per the National Board of Accreditation (NBA) mandates, the institute adopted a student-centric teaching and learning methodology in which the course design, course delivery and course assessment are planned and implemented as per the requirement of Outcome Based Education (OBE). At present (AY 2021-22) 4 UG programmes of MCKVIE are NBA accredited which ensures proper implementation of OBE in the institute.

The following steps are being implemented to incorporate OBE at the institute/ department/ program level:

1. Setting the Vision and Mission of the institute.
2. Setting the Vision and Mission of the departments in line with the institute.
3. Defining the Program Educational Objectives (PEO) of each program.
4. Defining the Program Outcomes (PO) as set by NBA.
5. Defining the Program Specific Outcomes (PSO) of each program.
6. Defining the Course Outcomes (CO) of each course and mapping each of them with PO's and PSO's.

7. Designing the Course Curriculum to achieve the targeted CO's.
8. Preparing the Lesson Plan for each course and delivering of course content to implement student centric learning.
9. Conducting the examination with the blending of Continuous Assessment (CA) mode and end-semester examination mode.
10. Assessing the performance of the students in each course by evaluating the attainment of the CO's.
11. Assessing the performance of each program by calculating the attainment of the PO's from the attainment of the CO's, performance in end-semester examination and course end survey.
12. Monitoring the performance on regular basis and taking action as per the requirement.

20.Distance education/online education:

MCKV Institute of Engineering has started conducting Certificate Courses (duration more than 30 Hrs.) on Emerging Technologies like 3D Printing and Electric Vehicle Technology through online/off-line mode.

During last few years, the faculty members have adopted the blended mode of teaching. In the classroom teaching they use the ICT along with the chalk-and-talk mode of teaching. The learning materials and assignments are uploaded in the Google Classroom. Sometimes they also provide hard copy of the class notes to the students. The faculty members create video lectures also on course contents and upload them in the drives, which is being shared to the students to assist the self-learning. Many faculty members upload the video content in their YouTube channel and share the link to the students for their self-learning.

The institute has an enriched library where along with a large volume of hard copy of books, magazines and journals, there is a sufficient volume of e-version of them which can easily be accessed by the students. The library also contains a repository where all the video lectures made by the faculty members are being kept for easy access by the students.

Extended Profile

1.Programme

1.1   **15**

Number of programmes offered during the year:

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

2.Student

2.1   **1578**

Total number of students during the year:

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

2.2   **402**

Number of outgoing / final year students during the year:

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

2.3   **1553**

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   **537**

Number of courses in all programmes during the year:

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

3.2   **110**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1		15
Number of programmes offered during the year:		

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1		1578
Total number of students during the year:		

File Description	Documents
Institutional data in Prescribed format	View File

2.2		402
Number of outgoing / final year students during the year:		

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3		1553
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		537
Number of courses in all programmes during the year:		

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**110**

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

3.3 Number of sanctioned posts for the year:	**110**

4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**0**
4.2 Total number of Classrooms and Seminar halls	**52**
4.3 Total number of computers on campus for academic purposes	**775**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**185**

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.

Factors for Curriculum Design:

The Institute has adopted a systematic procedure for curriculum development and implementation across all the departments. The curriculum is designed and/or modified carefully keeping in mind the state-of-the-art technologies which can address the domain knowledge, skills and attitude with relevance to the societal

needs. Following courses have been incorporated across different programs of the institute.

- Environmental Science
- Renewable energy
- Entrepreneurship and Skill Development
- Internet of Things

Implementation of OBE:

As per NBA mandates, the institute adopted OBE. At present (AY 2021-22) 4 UG programmes of MCKVIE are NBA accredited which ensures proper implementation of OBE in the institute.

Programs offered by the institute in 2021-22:

B.Tech in Automobile Engineering (AUE), Computer Science and Engineering (CSE), Computer Science and Engineering (Data Science), Electronics and Communication Engineering (ECE), Electronics and Communication (VLSI design), Electrical Engineering (EE), Mechanical Engineering (ME) and Information Technology (IT), Information Technology (Artificial Intelligence an Machine Learning)

M.Tech in ECE with specialization in communication

Master of Computer Application

MBA (Business Analytics)

B.Voc in Automotive Manufacturing Technology, Automobile servicing and Software development.

File Description	Documents
Upload additional information, if any	**No File Uploaded**
Link for additional information	NA

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

14

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

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

561

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

1.2 - Academic Flexibility

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

32

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
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

The institute offers various courses on Professional Ethics, Environment and Sustainability, and Human Values to the students through its curriculum. The key features of the environmental science course are about sensitizing students regarding maintenance of healthy eco-system. The course on Values and Ethics in Profession imparts moral values to the students so that they may maintain ethics in their professional life. Course on Universal Human Values incorporates Self-Exploration, Continuous Happiness and Prosperity, Right understanding, Relationship and Physical Facility, understanding Happiness and Prosperity correctly, method of fulfilment and understanding harmony in self, society and nature. This course carries great importance about the development of human personality and harmony in society and building a prosperous nation. On completion of Renewable Energy course, the students will be able to list the challenges and problems associated with the use of fossil fuels, with regard to future supply and the environment. They can also suggest the best combination of technological solutions to minimize the emission of greenhouse gases and increase the sustainability of the energy system in specific areas/regions.

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	**No File Uploaded**

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

2

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

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

369

File Description	Documents
List of students enrolled	View File
Any additional information	**No File Uploaded**

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

456

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	**No File Uploaded**

1.4 - Feedback System

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

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.mckvie.edu.in/feedback-2/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following   B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.mckvie.edu.in/feedback-2/
Any additional information	No File Uploaded

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

543

File Description	Documents
Any additional information	No File Uploaded
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)

1

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.

Assessment and organization details for advanced learners

- **Certificates are awarded to Class Toppers.**
- **Encouraged to attend conferences, workshops and publish papers in national / international journals / conferences on content beyond syllabus.**
- **Motivated to take up innovative projects.**
- **Make them interested to participate in various competitions.**
- **Encouraged to take up competitive examinations like GATE, GRE etc. for pursuing higher studies.**
- **On campus Student Chapter of IET & IE(I) is continued.**

Assessment and organization details for slow learners

- **The department has a well-defined process of identifying, guiding and assisting weak / slow learners.**
- **Weak students are identified based on their performances in internal examination(s).**
- **Remedial/Doubt clearing classes are arranged for them.**
- **If required, parents are informed about the internal marks and attendance in Parents-Teacher meetings.**
- **A blended motivation and responsibility from both parents and faculty create a positive mindset and help the students to overcome the inabilities and hurdles faced.**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	NA

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2022	**1578**	**110**

File Description	Documents
Upload any additional information	**No File Uploaded**

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:

The departments has prepared an event calendar stating slots of training and curriculum, wherein faculties prepare lesson plan and soft and hard copy of notes along with course coverage report of the curriculum at the end of curriculum. The teaching methodology includes black board teaching, smart board teaching, presentations, video lecturing etc. and assignments are given on regular basis to improve learning ability in the students. Invited talks, workshop, seminar, industry visits are organized on regular basis to bridge the gap and students are encouraged to attend national/international seminars and conferences and to publish papers in conferences/journals. Technical quizzes are conducted for students. Collaborative learning environment is encouraged further to increase subject specific interest amongst the students and to increase the ability of team work in the students. Regular student monitoring is done to identify the weak/slow learners and remedial class and tests are conducted to improve student learning. Appreciation is given to students scoring good marks in examination and also for those students maintaining good attendance in classes. Students are encouraged to take up competitive projects. Students are encouraged to participate in various competitions in Nation and Abroad for enhancing student confidence.

File Description	Documents
Upload any additional information	**No File Uploaded**
Link for additional Information	NA

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

Use of Smart Board and Projector in Teaching: Faculty members of the department are using smart board and projector todeliverthe students an experience of modern teaching and learning process. The smart boards are interactive in nature with web access along

with facility to use various colors. Thus it makes the teaching much more attractive and the students become much more focused.

Online Teaching using various platforms: Apart from conventional classroom teaching, faculty members are using online teaching method on regular basis using various platforms like Zoom, Google Meet, Cisco Webex, Google Classroom etc.

Video Lectures for digital library:Faculty members prepared video lectures on topic basis for different subjects to help the students for future learning.

Online Lab Class using various platforms: Faculty members are also using online teaching method on regular basis to teach the laboratory classes using various platforms like Zoom, Google Meet, Cisco Webex, Google Classroom etc by showing Live video of the laboratory work (Circuit design, simulation etc.) directly from the LABs (whenever possible), video recording of practical works etc. During online Lab Classes Students records data and makes the necessary calculations and submits the report through Google classroom.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/12/23001302/2.3.2-4.1.3-ICT-tools.pdf
Upload any additional information	No File Uploaded

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

2.3.3.1 - Number of mentors

51

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

Upload the Academic Calendar and Teaching Plans during the year

The institution prepares the academic calendar every year in well in advance. The academic calendar covers the list of examination dates, seminars, conferences, guest lectures, workshops and industrial visits holidays, vacation dates, festivals, etc. Academic calendar provides the total effective working days available in a given semester. Then the principal, dean academics, HODs and senior colleagues prepare the time table by correlating the working days available and coverage of curriculum of the subjects. Thus the academic calendar monitors the effective delivery of the program with academic and business inputs.

The concern faculties prepare teaching plan for their respective subjects of required hours. These required hours are distributed among class room teaching, case studies, role play, workshops and lab session as per the subject requirements. These plans are made in advance and serves as guide for conducting required academic sessions. The principal, dean academics and HODs check the progress of each course and ensures timely and effective completion of course in the specified time frame with perfect blend of practical and theoretical inputs.

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

110

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

27

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	No File Uploaded

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

1213

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

20

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

- **Examination procedures**

i) All the under graduate and post graduate programmes of the institute are semester based (Odd semester: January to June, and Even semester: July to December).

ii) The schedule of pre-examination activities like enrollment date, date of continuous assessment, uploading of marks by the faculty, Form fill up for end semester examination, date of admit card generation etc., is published at the beginning of the semester.

- **Processes/Procedures integrating IT**

1. **The institute has implemented EMS to integrate examination related activities, as given below, with IT.**
    1. **Enrollment of students**
    2. **Teacher tagging with the courses**
    3. **Filling of examination registration form by the students**
    4. **Marks entry by the Examiners after evaluation of the paper.**
    5. **Online tabulation sheet generation and publishing of the final result.**
    6. **Application for reviewing paper(s) and publishing the result after re-evaluation.**

- **Continuous Internal Assessment System**

1. **The institute has implemented an effective Continuous Internal Assessment System (CIA).**
2. **CIA categories: Theory papers: CA1 and CA3 are class tests; CA2 and CA4 are assignment/seminar/quiz. Lab papers: PCA1**

and PCA2.

The marks of continuous assessments are added with the marks of semester examination according to institutional policy.

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

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

The Course Outcomes (COs) under a program is framed by considering the Six levels of learning as per Bloom's taxonomy. The Levels are: Evaluation, Synthesis, Analysis, Application, Comprehension and Knowledge. The keywords are as follows:

1. Remembering and understanding: recall, identify, label, illustrate, summarize.
2. Applying and analyzing: use, differentiate, organize, integrate, apply, solve, analyze.
3. Evaluating and creating: Monitor, test, judge, produce, revise, compose.

At the end of the Course, the learners will be able to achieve the goals about the course; i.e, they will get specific and measurable knowledge about the subject, which is relevant and achievable to their course in time-bound manner.

The processes of communication of COs from teacher to the students are done mainly in the classroom teaching and the practical application of the theory in the laboratories. But the other ways of communication are Power point presentation in online mode, providing teaching materials which are already discussed in the class and the evaluation of knowledge through examination in online mode keeping in mind the current pandemic situation. In this way the knowledge transfer is done in the current scenario.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File](#)
Upload any additional information	No File Uploaded
Link for additional Information	NA

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

We have two categories of the assessment process: Internal and External Assessment.

Internal Assessment of Theory Subjects and Practical Subjects

Evaluation of Theory Subjects follows the parameters of Assignment, Class-tests, Attendance.

Evaluation of laboratory performance involves parameters of Daily performance, Attendance and Preparation and submission of Laboratory file.

End-semester assessment of Theory Subjects and Practical Subjects.

Evaluation of both Theory and Practical subjects involves the marks obtained during the semester examinations.

The attainment target level for internal and end-semester examinations has been kept as 60% . The number of students achieving the set target level is listed in each course for every semester. Usually if the 60% students of a batch get equal and above 60% marks in the required level criteria based formative assessment then that criteria (CO,PO,PSO) is attained.

Attainment level is obtained for all the Course Outcomes from Faculty Course Assessment Report (FCAR)

The evaluation of each of the PO and PSO is based on direct and indirect assessments. The direct assessment tools are Internal

assessment such as class test, laboratory, semester examination of theory and laboratory, seminar and projects.

The indirect assessment tools are alumni survey, exit survey, course-end survey, parent survey, employers' survey, Rubrics.

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

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

402

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	**No File Uploaded**
Paste link for the annual report	[NA](#)

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://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/12/16153855/NAAC-Student-Satisfaction-Survey-2021-22.pdf

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

Policy for promotion of research

A well-defined policy has been prepared and implemented to encourage the enrolment of faculty in Ph.D programmes and to provide suitable incentives for Ph.D holders and to those who publish research articles in reputed peer reviewed indexed journals as follows.

- Teachers without PhD are encouraged to pursue and complete their PhD. Such faculty members may be given reduction in academic and administrative work load and will be decided by respected HODs.
- The eligible Faculty members are encouraged to guide PhD research scholars in accordance with PhD Regulation of respective universities and institutes wherever applicable.
- MCKVIE encourages faculty members to establish network with other universities within India as well as abroad and go for MoUs.
- Periodically every year the research output of faculty members will be collected and published in annual report which would be published in the institute website for disseminating the information to all stakeholders.
- Faculty is provided with independent responsibility to undertake the execution of research projects.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	https://www.mckvie.edu.in/research/
Any additional information	No File Uploaded

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

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

0

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	No File Uploaded
List of teachers receiving grant and details of grant received	No File Uploaded
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

0

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

3.2 - Resource Mobilization for Research

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

0.93

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	View File

3.2.2 - Number of teachers having research projects during the year

1

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	NA
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

13

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

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.aicte-india.org/content/online-portal-invite-proposal-conduct-aicte-sponsored-inductionrefresher-programmes
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 provides beneficial environment for promotion of Innovation and Incubation. Students are encouraged to actively involve for application of technology for societal needs. Necessary support is provided for publication of research papers

in journals and conferences. Institute - Innovation Council (IIC) of MCKVIE facilitates interaction with industries and corporate establishments for the following activities. It motivates the student and faculty members and extends scopes to explore their new ideas in the field of research and development.

Start-Up-Club by MCKVIE has been devised to guide and motivate student, faculty and staffs to become entrepreneurs. This club is focussing on development of students for Entrepreneurship & Start-up by providing guidance on project report preparation, financial assistance, and marketing of product. Entrepreneurship awareness workshops have been organized to provide ideas to manage and run entrepreneurial venture. It motivates students to incubate their start-ups and offer them guidance. Workshops, seminars and guest lectures on Entrepreneurship development are organized. Regularly organized. Students are provided opportunities to directly interact with entrepreneurs of different fields.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	NA

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

76

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

C. Any 2 of the above

authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

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

1

File Description	Documents
URL to the research page on HEI website	https://www.mckvie.edu.in/research/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

54

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

32

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

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

2688

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

111

File Description	Documents
Bibiliometrics 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)

0.34054

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	**No File Uploaded**
Any additional information	[View File](#)

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

0.24

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	**No File Uploaded**
List of facilities and staff available for undertaking consultancy	**No File Uploaded**
Any additional information	[View File](#)

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 institutecoordinates a variety of extracurricular events to encourage institute-neighbourhood community and to educate students about local issues. Our college's students actively engage in volunteer work that benefits their entire growth. The National Cadet Corps Units and National Service Scheme are successfully conducted by the college. The college engages in a variety of community outreach initiatives through these units. In addition to the NSS and NCC groups, the institute's many departments are cognizant of their roles in educating students about social concerns through a variety of programmes in order to help them become responsible members of society.Swachh Bharat,

Environmental Awareness, Health and Hygiene, Tree Planting, World Polio Day, National Pollution Control Day, Ganga Cleaning Drive, World Environment Day, blood donation camps, and organising visits to orphanages are just a few of the significant initiatives and events that the institute organises every year.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	[NA](NA)

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

4

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)

9

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

491

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

88

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)

8

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution has adequate infrastructure and physical facilities for teaching- learning. Adequate numbers of classrooms, tutorial rooms, and well-equipped laboratories are available in every department. The majority of the classrooms are equipped with LCD projectors, and LAN connections, and few classrooms are equipped with smart boards. Wi-Fi connectivity is available across the campus. The central library has adequate text and reference books with LIBSYS as ILMS software. With the facility of a digital library enables students and staff members to access the e-journals of Springer Link, a large collection of e-books, and video lectures uploaded by respective faculty members. Reading

rooms are available in the central library and in departmental libraries as well for students and faculty members. The institute has a state-of-the-art language lab and a computer centre with internet connectivity. ICT-enabled seminar halls are available in the institute with LCD projectors and LAN connections for the conduction of various academic events.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	NA

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

The Institute has a fully air-conditioned auditorium with its own audio-visual and lighting facilities for conducting various cultural activities. Institute hosts an annual cultural program, and a freshers' welcome and farewell program for students every year. Institute has its own Basketball Court and one outdoor Badminton Court. The common room for students is equipped with a facility for Carrom and Table Tennis as indoor sports. Annual Sports and Games are conducted every year in the institute. Institute is having its own Cricket and football team. Students of our Institute regularly participate in sports and related activities conducted by Maulana Abul Kalam Azad University of Technology, as well as other inter-college sports tournaments. The students receive prizes from various competitions every year. The Gymnasium of the institute was established in the year 1999 of 100 sq. m area and is being used by both students and staff members. The institute established Swami Vivekananda Centre for Positive Thinking of 75 sq. m area and developed a Yoga centre for both students and staff members.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	NA

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

52

File Description	Documents
Upload any additional information	**No File Uploaded**
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)

92.18

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 central library of the institute uses LIBSYS, a Library Automation Software for Integrated Library Management System (ILMS). It was procured in the year 2003 and is employed in Institutional Central Library throughout the year. Presently, the system is fully automated and the LSEASE version of the LIBSYS software is being used. Such web-based library management solution enabled library staffs to manage all library operations efficiently including acquisition, cataloguing, circulation, serials, new purchase approvals, collection development etc. Central library has active subscription to Springer e-journals and several hardcopy journals. The e-books of Pearson, IEEE, MGH and Springer and DELNET database are accessible for students and staff members.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	NA

4.2.2 - Institution has access to the following: B. Any 3 of the above
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	**No File Uploaded**

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

8.02

File Description	Documents
Audited statements of accounts	View File
Any additional information	**No File Uploaded**
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

75

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

The institute is having Windows Operating System Version 10.0, with Paper License for 100 users and its validity is up to 2022-2023. In addition to this Microsoft Team Licensed version for 100 users is available. As Security Policy is concerned, the institute is having Firewall (i.e. Checkpoint) for filtering and Routing of the incoming and outgoing traffic. Quick Heal Antivirus with 120 user's license is available. The institute has been selected by National Cyber Safety and Security Standards (NCSSS) as a "Resource Centre" for Cyber Security. In order to secure the network, Internet Unit (Computer Maintenance Cell) of the institute has taken appropriate steps by installing firewalls, access controlling, virus checking and content filtering software at the gateway. The activities done by the maintenance cell includes, Software Installation & Licensing, Hosting of Web Pages, Monitoring Network Usage, Access to Computer Centre, Guidelines for Desktop Users, Video Surveillance etc. However, in the presence of clearly defined IT policies, the users are aware of these policies, hence easy for the network management team to manage the entire network smoothly.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	NA

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1578	**775**

File Description	Documents
Upload any additional information	**No File Uploaded**

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. ?50 Mbps

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

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

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	NA
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)

85.64

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.

To plan, execute, utilize, monitor and maintain the academic and support facilities such as laboratory, library, sports complex, computers, classrooms etc. there exist several committees in departmental as well as institute level. Few such committees are Academic Council, Departmental Academic Committee (DAC), Library committee, Research committee, Training and placement Committee, Sports committee etc. The members of the committee meet at regular

interval to discuss and resolve the issues pertaining to academic and support facilities. The proposals coming out of these committees are then placed to the top management for approval. Once the proposals are approved, actions initiated to implement the policies. The maintenance activities of the institute are under the Administration Department. There are permanent staff members available to handling the entire system of maintenance. For the maintenance of Air conditioners and water coolers in the Institute the AMC is given to Vendors outside. Similarly, the maintenance of Electrical equipment and day to day cleaning, carpentry work is done, and contract is given to vendors outside. Similarly, the security of the Institute is done by outsourcing the job to agency outside on contractual basis.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	NA

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

68

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

209

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

File Description	Documents
Link to Institutional website	https://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/12/23145511/5.1.3.pdf
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

243

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   A. All of the above

submission of online/offline students'
grievances Timely redressal of grievances
through appropriate committees

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

5.2 - Student Progression

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

287

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

5.2.2 - Number of outgoing students progressing to higher education

11

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
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

3

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

0

File Description	Documents
e-copies of award letters and certificates	**No File Uploaded**
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

Currently, we don't have Student Council as such, but there are student representatives in several bodies and/or committees of the institution.

1.One student representative in IQAC

2.Student's representatives also present in Anti-ragging committee and Anti- ragging Monitoring Cell

3. Students' Canteen Committee has also student's representative

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	[NA](#)

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

40

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

Yes, there is a alumni Association and

Name of the Association: MCKVIE Alumni Association

Registration Number: S/2L No.60214 of 2016-2017

The college has a registered Alumni Association. All the outgoing students automatically become members of the association. The Institute gives importance to feedback data obtained from alumni for the betterment of the Institute. An Alumni meet is organized every year in the institute during which relevant feedback is

also collected to improve the institute's performance in academic and professional domain such as the basic requirements of the companies from the graduate engineers.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	NA

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	**No File Uploaded**

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

Effective leadership significantly impacts on policy, planning and management of engineering education. To endorse quality of education to all stakeholders in academic, social and ethical arena in our institute, the authority has developed a responsible and participatory management. The management has adapted various means for improving the effectiveness of education system and the quality of educational services.

1. **At various levels, the Institute grooms the leadership. Governing body, Management, Principal, IQAC, Academic Council, Board of Studies, Examination Cell, Training and Placement Cell, Departmental Academic Committee, Library Committee and various other bodies have been authorized to propose, design, formulate and execute their plans within the framework of governance. The HoDs, Deans, CoE along with the other teaching staff, non-teaching staff, supporting staff, student representatives and alumni are engaged in various activities coherently in tune with the vision and mission of the institute.**

2. **Students are empowered to play active role in coordinating the co-curricular, extra-curricular activities and social services. The institute inspires the culture of participative management by involving the staff and students in various activities. The Rotaract club of the Institute organized several students' online programme during pandemic.**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	NA

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

The effective leadership is already reflected in various institutional practices such as decentralization and participative management by forming different committees, cells and bodies and empowering them within the organizational framework of the institute. Be it cultural activities, games and sports, social

activities, technical fest, annual cultural fest or any other event bearing the need of the society, a concrete participative management consisting of all the stakeholders always helps the institute in executing them efficiently.

Activities of Library Committee as a case study showing participative management:

Library Committee is a body consisting of certain personnel who will supervise and advise the Librarian in library matter. It has been recognized as the essential agency which is needed for the governance of the library service in a better way. The main function is to select and acquire sufficient reading materials for its readers.

Composition

Sl. No.

Designation

Category

1

Chairman

Nominated by the Principal

2

Member

All Deans

3

Member

One Faculty Nominated by HOD of all departments

4

Member

Two Library Staff Nominated by the Principal

5

Member Secretary

Librarian

Term

The term of the nominated members shall be three years.

Meetings

The Library Committee shall meet at least twice a year.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File]()
Upload any additional information	**No File Uploaded**
Paste link for additional Information	NA

6.2 - Strategy Development and Deployment

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

Institutional Strategic Goals:

1. Efficient Teaching erudition procedure

2. Internal Quality Assurance System

3. Ensuring effective governance

4. Student's Overall Development through Participation

5. Escalating Placements

6. Proper Discipline

7. Women/Student/Faculty Grievance

8. Financial Planning & Management

9. Institute – Industry Interaction

10. Encouragement of Budding Entrepreneurs

11. Constant Growth in Research and Development

12. Boosting Internal Revenue Generation

13. Alumni Interaction and Outreach activities

14. Physical Infrastructure including barrier free space

Strategic Planning:

Efficient Teaching-Learning methodology

Effective Leadership and Participative management

Internal Quality Assurance System

Ensuring Effective Governance

Student's Overall Development through Participation

Employees Advancement & Welfare Placements

Proper Discipline

Women/Student/Faculty Grievance

Financial Planning & Management

Institute – Industry Interaction Cell

Encouragement of Budding Entrepreneurs

Constant Growth in Research and Innovation

Alumni Interaction and Outreached Activities

Boosting Internal Revenue Generation

Physical Infrastructure

File Description	Documents
Strategic Plan and deployment documents on the website	<u>View File</u>
Paste link for additional information	<u>NA</u>
Upload any additional information	**No File Uploaded**

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 Body of the institute acts as the top most managing authority of the authority and it guides and approves all the policy making issues of it. The Principal looks after all the day to day activities for running the institute as per the decisions and/or resolutions of the Governing Body. He interacts with Academic Council for taking all the academic decisions and executing academic expansion activities. He is also the Chairman of the IQAC which monitors overall activities of the institute and maintains the quality benchmark. As a part of participative management, Dean-Academics, Dean-Administration, Dean-Students Affairs and Dean-Research and Consultancy share responsibilities of the appropriate functional wings of the institute. The Finance Officer in consultation with the Finance Committee manages the financial issues with prior approval from the Principal. The Dean-Academics in association with the HoDs of different departments maintains all the daily academic activities of the institute, whereas the HoDs look after the departmental academic issues with the help of Departmental Academic Committee and Board of Studies. The examination system of the institute is maintained by the Controller of Examination office with prior approval from Dean-Academics.

File Description	Documents
Paste link to Organogram on the institution webpage	<u>https://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/12/23145509/6.2.2-Organizational-Chart.pdf</u>
Upload any additional information	**No File Uploaded**
Paste link for additional Information	<u>NA</u>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

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 institute uses a well-defined system of Self Appraisal Report of Faculty members and Lab Instructors. Dully filled and signed Self-Appraisal form of Faculty members and laboratory Instructors are collected in June every tear and then scrutinized by HOD and provide his/ her comments regarding their performance. For HODs, Dean (Academics) scrutinizes the information. For Deans, Principal does the scrutiny. The API points obtained in Self-Appraisal and the marks scored in Students Feedback are then compiled by HR and send the same to Dean (Academic) for review.

Finally, Principal analyzes all the comments and sends reports / recommendations to Chairman.

The faculty members or laboratory instructors whose rating is less than threshold value are called for a discussion on improvement of his/ her deficiencies and measures he/she is going to take to rectify the same.

Other Welfare measures:

- Bus facility for attending institute at free of cost
- Free of cost lunch facility
- Health checkup facility at subsidized rate at the trust diagnostic centre
- Tuition fee waiver for wards of the employees studying in

the trust school.
- **Monthly general health check up**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	NA

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

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	**No File Uploaded**

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

11

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	**No File Uploaded**

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.)

70

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	**No File Uploaded**

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The financial audit is completed for the academic year 2021-22.There are no major audit objections.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	NA

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)

0

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	**No File Uploaded**
Any additional information	**No File Uploaded**

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

The institute is a self-financing institute and it receives no fund from government for its running. The main fund that it receives is as the tuition fees from the students. All the recurring and non-recurring expenditures are incurred from that fund only. The institute asks for budget proposal from each department in every financial year to meet up the requirement for manpower for running its library, laboratory, project, research etc. Funds are allocated by the institute accordingly. Over and

above, the development of central facilities and welfares are done from the same fund only. Some of the laboratories have been enriched in collaboration with industries and/or using funds from govt. (MODROB). Some of the events have been organized in collaboration with external manpower. Requirements from admin department is also taken periodically.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	NA

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)

Three practices institutionalized as a result of IQAC initiative are:

1. Installation of Institution's Innovation Council (IIC) for the implementation of NISP.
2. Adopting blended mode of teaching while coming back to new normal condition after COVID-19 pandemic.
3. Conducting placement oriented training program for final year students for achieving better hit ratio in the placement drives.

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

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

Teaching-learning process:

Under the new normal condition after COVID-19 pandemic, the faculty members have been motivated to adopt blended mode of teaching.

Evaluation process:

The evaluation for different papers is composed of internal and external assessment tools. The internal assessment for theory, practical and sessional papers has the following components.

Implementation of Outcome Based Education (OBE):

During a decade or so the institute has started implementing OBE as per the guidelines of NBA. Course Outcomes (CO), Program Outcomes (PO) and Program Specific Outcomes (PSO) are formulated and course curriculum has been designed accordingly.

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

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)

C. Any 2 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/08/09222957/ANNUAL-REPORT-2021-final-compressed.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

Safety and security: The Internal Complaints Committee (ICC) regularly conducts meetings to oversee the safety and security for females in the workplace and carrying out the activities to promote gender equity and sensitization, organizing talks and awareness programs on discrimination against women, maintenance of safe working environment etc.

1. **Security personnel, student and staff ID cards, CCTV.**
2. **Engagement of Security professional and hostel warden in girl hostel in the campus.**
3. **Regular medical check-up and a lady nurse/doctor for women in the campus. The college has installed one Automatic Sanitary Vending M/C mini (Maker: VEND IGO) at A block 1st floor Girls Toilet.**
4. **A grievance redress and anti sexual harassment cells provides a convenient opportunity for girls to voice their problems.**

Counselling: Alady students' Counselor is appointed. Her work incorporates positive guidance to the engineering students of all batches. Students facing any of their academic, career related or personal problems can contact her to resolve their problem.

Extra-curricular activities:

The curricular and co- and extra-curricular activities promoting gender equity and sensitization and the facilities available for women on campus, viz. Vishwa Swachhta Diwas,Sanitary napkin distribution,Voice your opinion,Self Defence Training Programme, BRAVE ART etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NA

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	No File Uploaded

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)

The college has set up separate bins to ensure proper segregation and collection of the various wastes.

Solid waste management: All solid wastes (paper, metal, glass, other dry waste, e-waste, etc.) are separated in different bins in the college and resell to the local vendor. Moreover, a few out dated computers are gifted to local schools.

Liquid waste management: It is to be noted that there are no harmful waste water/ Nontoxic chemicals from chemistry lab is emitted during the experimentation. Most of the waste generated is water-soluble and ultimately disposed through normal sewage system, diluted largely so bio magnifications is negligent. However, the ceramic materials like Glass which are broken during the experimentation are stored in a bucked and are sold to vendors for recycling.

E-waste management: E-waste like batteries, print cartridges,

old/obsolete computer is sold to vendors for recycling. Moreover, a few out dated computers are gifted to local schools.

Waste recycling system: No, the college does not have any such recycling device to carry on the procedure. However, glass, cans, white coloured and brown paper, batteries, print cartridges, cardboard and furniture are sold to vendors for recycling.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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   C. Any 2 of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: C. Any 2 of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	**No File Uploaded**
Any other relevant documents	**No File Uploaded**

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:

    B. Any 3 of the above

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions/awards**
5. **Beyond the campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

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

    C. Any 2 of the above

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

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	**No File Uploaded**
Details of the software procured for providing assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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).

The institute is involved in various cultural, regional, socio-economic an dother related activities throughou tthe year.

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

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

The institute promotes activities related to sensitization of thestudents and the employees of it to develop the sense of values,rights, duties and responsibilities as a responsible citizen of thecountry.

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   **C. Any 2 of the above**

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

File Description	Documents
Code of Ethics - policy document	**No File Uploaded**
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	**No File Uploaded**
Any other relevant information	View File

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

The institute celebrates and/ororganizes national and international commemorative days, events and festivals throughout the year.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	**No File Uploaded**
Geotagged photographs of some of the events	**No File Uploaded**
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 I

Promotion of inculcating Positive Mindset among Students and Staffs.

Best Practice II

Technotica: A Technical Competition.

File Description	Documents
Best practices in the Institutional website	https://www.mckvie.edu.in/best-practices-and-distinctiveness/
Any other relevant information	NA

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)

The prime area of distinctiveness are given below:

1. **Emerging Tech Laboratory**
2. **Green-Campus-Clean-Campus**
3. **Institution's Innovation Council (IIC)**
4. **PRAYAS**

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.

Factors for Curriculum Design:

The Institute has adopted a systematic procedure for curriculum development and implementation across all the departments. The curriculum is designed and/or modified carefully keeping in mind the state-of-the-art technologies which can address the domain knowledge, skills and attitude with relevance to the societal needs. Following courses have been incorporated across different programs of the institute.

- **Environmental Science**
- **Renewable energy**
- **Entrepreneurship and Skill Development**
- **Internet of Things**

Implementation of OBE:

As per NBA mandates, the institute adopted OBE. At present (AY 2021-22) 4 UG programmes of MCKVIE are NBA accredited which ensures proper implementation of OBE in the institute.

Programs offered by the institute in 2021-22:

B.Tech in Automobile Engineering (AUE), Computer Science and Engineering (CSE), Computer Science and Engineering (Data Science), Electronics and Communication Engineering (ECE), Electronics and Communication (VLSI design), Electrical Engineering (EE), Mechanical Engineering (ME) and Information Technology (IT), Information Technology (Artificial Intelligence an Machine Learning)

M.Tech in ECE with specialization in communication

Master of Computer Application

MBA (Business Analytics)

B.Voc in Automotive Manufacturing Technology, Automobile servicing and Software development.

File Description	Documents
Upload additional information, if any	**No File Uploaded**
Link for additional information	[NA](NA)

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

14

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	[View File](#)
Details of syllabus revision during the year	[View File](#)
Any additional information	**No File Uploaded**

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

561

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

1.2 - Academic Flexibility

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

32

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
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

The institute offers various courses on Professional Ethics, Environment and Sustainability, and Human Values to the students through its curriculum. The key features of the environmental science course are about sensitizing students regarding maintenance of healthy eco-system. The course on Values and Ethics in Profession imparts moral values to the students so that they may maintain ethics in their professional life. Course on Universal Human Values incorporates Self-Exploration, Continuous Happiness and Prosperity, Right understanding, Relationship and Physical Facility, understanding Happiness and Prosperity correctly, method of fulfilment and understanding harmony in self, society and nature. This course carries great importance about the development of human personality and harmony in society and building a prosperous nation. On completion of Renewable Energy course, the students will be able to list the challenges and problems associated with the use of fossil fuels, with regard to future supply and the environment. They can also suggest the best combination of technological solutions to minimize the emission of greenhouse gases and increase the sustainability of

the energy system in specific areas/regions.

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	No File Uploaded

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

2

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

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

369

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

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

456

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

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

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.mckvie.edu.in/feedback-2/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	**No File Uploaded**

1.4.2 - The feedback system of the Institution comprises the following	**B. Feedback collected, analysed and action taken**

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.mckvie.edu.in/feedback-2/
Any additional information	**No File Uploaded**

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

543

File Description	Documents
Any additional information	**No File Uploaded**
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)

1

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.

Assessment and organization details for advanced learners

- **Certificates are awarded to Class Toppers.**
- **Encouraged to attend conferences, workshops and publish papers in national / international journals / conferences on content beyond syllabus.**
- **Motivated to take up innovative projects.**
- **Make them interested to participate in various competitions.**
- **Encouraged to take up competitive examinations like GATE, GRE etc. for pursuing higher studies.**
- **On campus Student Chapter of IET & IE(I) is continued.**

Assessment and organization details for slow learners

- **The department has a well-defined process of identifying, guiding and assisting weak / slow learners.**
- **Weak students are identified based on their performances in internal examination(s).**
- **Remedial/Doubt clearing classes are arranged for them.**
- **If required, parents are informed about the internal marks and attendance in Parents-Teacher meetings.**
- **A blended motivation and responsibility from both parents and faculty create a positive mindset and help the students to overcome the inabilities and hurdles faced.**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	NA

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2022	1578	110

File Description	Documents
Upload any additional information	No File Uploaded

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:

The departments has prepared an event calendar stating slots of training and curriculum, wherein faculties prepare lesson plan and soft and hard copy of notes along with course coverage report of the curriculum at the end of curriculum. The teaching methodology includes black board teaching, smart board teaching, presentations, video lecturing etc. and assignments are given on regular basis to improve learning ability in the students. Invited talks, workshop, seminar, industry visits are organized on regular basis to bridge the gap and students are encouraged to attend national/international seminars and conferences and to publish papers in conferences/journals. Technical quizzes are conducted for students. Collaborative learning environment is encouraged further to increase subject specific interest amongst the students and to increase the ability of team work in the students. Regular student monitoring is done to identify the weak/slow learners and remedial class and tests are conducted to improve student learning. Appreciation is given to students scoring good marks in examination and also for those students maintaining good attendance in classes. Students are encouraged to take up competitive projects. Students are encouraged to participate in various competitions in Nation and Abroad for enhancing student confidence.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	NA

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

Use of Smart Board and Projector in Teaching: Faculty members of the department are using smart board and projector todeliverthe students an experience of modern teaching and learning process. The smart boards are interactive in nature with web access along with facility to use various colors. Thus it makes the teaching much more attractive and the students become much more focused.

Online Teaching using various platforms: Apart from conventional classroom teaching, faculty members are using online teaching method on regular basis using various platforms like Zoom, Google Meet, Cisco Webex, Google Classroom etc.

Video Lectures for digital library:Faculty members prepared video lectures on topic basis for different subjects to help the students for future learning.

Online Lab Class using various platforms: Faculty members are also using online teaching method on regular basis to teach the laboratory classes using various platforms like Zoom, Google Meet, Cisco Webex, Google Classroom etc by showing Live video of the laboratory work (Circuit design, simulation etc.) directly from the LABs (whenever possible), video recording of practical works etc. During online Lab Classes Students records data and makes the necessary calculations and submits the report through Google classroom.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/12/23001302/2.3.2-4.1.3-ICT-tools.pdf
Upload any additional information	No File Uploaded

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

2.3.3.1 - Number of mentors

51

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

Upload the Academic Calendar and Teaching Plans during the year

The institution prepares the academic calendar every year in well in advance. The academic calendar covers the list of examination dates, seminars, conferences, guest lectures, workshops and industrial visits holidays, vacation dates, festivals, etc. Academic calendar provides the total effective working days available in a given semester. Then the principal, dean academics, HODs and senior colleagues prepare the time table by correlating the working days available and coverage of curriculum of the subjects. Thus the academic calendar monitors the effective delivery of the program with academic and business inputs.

The concern faculties prepare teaching plan for their respective subjects of required hours. These required hours are distributed among class room teaching, case studies, role play, workshops and lab session as per the subject requirements. These plans are made in advance and serves as guide for conducting required academic sessions. The principal, dean academics and HODs check the progress of each course and ensures timely and effective completion of course in the specified time frame with perfect blend of practical and theoretical inputs.

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

110

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

27

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	No File Uploaded

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

1213

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

20

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

- **Examination procedures**

i) All the under graduate and post graduate programmes of the institute are semester based (Odd semester: January to June, and Even semester: July to December).

ii) The schedule of pre-examination activities like enrollment date, date of continuous assessment, uploading of marks by the faculty, Form fill up for end semester examination, date of admit card generation etc., is published at the beginning of the semester.

- **Processes/Procedures integrating IT**

1. The institute has implemented EMS to integrate examination related activities, as given below, with IT.
   1. Enrollment of students
   2. Teacher tagging with the courses
   3. Filling of examination registration form by the students
   4. Marks entry by the Examiners after evaluation of

the paper.
        5. Online tabulation sheet generation and publishing
           of the final result.
        6. Application for reviewing paper(s) and publishing
           the result after re-evaluation.

    • Continuous Internal Assessment System

   1. The institute has implemented an effective Continuous
      Internal Assessment System (CIA).
   2. CIA categories: Theory papers: CA1 and CA3 are class
      tests; CA2 and CA4 are assignment/seminar/quiz. Lab
      papers: PCA1 and PCA2.

The marks of continuous assessments are added with the marks of
semester examination according to institutional policy.

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

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

The Course Outcomes (COs) under a program is framed by
considering the Six levels of learning as per Bloom's taxonomy.
The Levels are: Evaluation, Synthesis, Analysis, Application,
Comprehension and Knowledge. The keywords are as follows:

   1. Remembering and understanding: recall, identify, label,
      illustrate, summarize.
   2. Applying and analyzing: use, differentiate, organize,
      integrate, apply, solve, analyze.
   3. Evaluating and creating: Monitor, test, judge, produce,
      revise, compose.

At the end of the Course, the learners will be able to achieve
the goals about the course; i.e, they will get specific and
measurable knowledge about the subject, which is relevant and
achievable to their course in time-bound manner.

The processes of communication of COs from teacher to the students are done mainly in the classroom teaching and the practical application of the theory in the laboratories. But the other ways of communication are Power point presentation in online mode, providing teaching materials which are already discussed in the class and the evaluation of knowledge through examination in online mode keeping in mind the current pandemic situation. In this way the knowledge transfer is done in the current scenario.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	NA

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

We have two categories of the assessment process: Internal and External Assessment.

Internal Assessment of Theory Subjects and Practical Subjects

Evaluation of Theory Subjects follows the parameters of Assignment, Class-tests, Attendance.

Evaluation of laboratory performance involves parameters of Daily performance, Attendance and Preparation and submission of Laboratory file.

End-semester assessment of Theory Subjects and Practical Subjects.

Evaluation of both Theory and Practical subjects involves the marks obtained during the semester examinations.

The attainment target level for internal and end-semester examinations has been kept as 60% . The number of students achieving the set target level is listed in each course for

every semester. Usually if the 60% students of a batch get equal and above 60% marks in the required level criteria based formative assessment then that criteria (CO,PO,PSO) is attained.

Attainment level is obtained for all the Course Outcomes from Faculty Course Assessment Report (FCAR)

The evaluation of each of the PO and PSO is based on direct and indirect assessments. The direct assessment tools are Internal assessment such as class test, laboratory, semester examination of theory and laboratory, seminar and projects.

The indirect assessment tools are alumni survey, exit survey, course-end survey, parent survey, employers' survey, Rubrics.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NA

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

402

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	No File Uploaded
Paste link for the annual report	NA

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://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/12/16153855/NAAC-Student-Satisfaction-Survey-2021-22.pdf

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

Policy for promotion of research

A well-defined policy has been prepared and implemented to encourage the enrolment of faculty in Ph.D programmes and to provide suitable incentives for Ph.D holders and to those who publish research articles in reputed peer reviewed indexed journals as follows.

- Teachers without PhD are encouraged to pursue and complete their PhD. Such faculty members may be given reduction in academic and administrative work load and will be decided by respected HODs.
- The eligible Faculty members are encouraged to guide PhD research scholars in accordance with PhD Regulation of respective universities and institutes wherever applicable.
- MCKVIE encourages faculty members to establish network with other universities within India as well as abroad and go for MoUs.
- Periodically every year the research output of faculty members will be collected and published in annual report which would be published in the institute website for disseminating the information to all stakeholders.
- Faculty is provided with independent responsibility to undertake the execution of research projects.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	**No File Uploaded**
Provide URL of policy document on promotion of research uploaded on the website	https://www.mckvie.edu.in/research/
Any additional information	**No File Uploaded**

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

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

0

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	**No File Uploaded**
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	**No File Uploaded**
List of teachers receiving grant and details of grant received	**No File Uploaded**
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

0

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

3.2 - Resource Mobilization for Research

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

0.93

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	View File

3.2.2 - Number of teachers having research projects during the year

1

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	NA
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

13

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

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.aicte-india.org/content/online-portal-invite-proposal-conduct-aicte-sponsored-inductionrefresher-programmes
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 provides beneficial environment for promotion of Innovation and Incubation. Students are encouraged to actively involve for application of technology for societal needs. Necessary support is provided for publication of research papers in journals and conferences. Institute - Innovation Council (IIC) of MCKVIE facilitates interaction with industries and corporate establishments for the following activities. It motivates the student and faculty members and extends scopes to explore their new ideas in the field of research and development.

Start-Up-Club by MCKVIE has been devised to guide and motivate student, faculty and staffs to become entrepreneurs. This club is focussing on development of students for Entrepreneurship & Start-up by providing guidance on project report preparation, financial assistance, and marketing of product. Entrepreneurship awareness workshops have been organized to

provide ideas to manage and run entrepreneurial venture. It motivates students to incubate their start-ups and offer them guidance. Workshops, seminars and guest lectures on Entrepreneurship development are organized. Regularly organized. Students are provided opportunities to directly interact with entrepreneurs of different fields.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	[NA](NA)

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

76

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	**C. Any 2 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	**No File Uploaded**

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

1

File Description	Documents
URL to the research page on HEI website	https://www.mckvie.edu.in/research/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

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

54

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

32

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

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

2688

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

111

File Description	Documents
Bibiliometrics 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)

0.34054

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	**No File Uploaded**
Any additional information	View File

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

0.24

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	**No File Uploaded**
List of facilities and staff available for undertaking consultancy	**No File Uploaded**
Any additional information	*View File*

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 institutecoordinates a variety of extracurricular events to encourage institute-neighbourhood community and to educate students about local issues. Our college's students actively engage in volunteer work that benefits their entire growth. The National Cadet Corps Units and National Service Scheme are successfully conducted by the college. The college engages in a variety of community outreach initiatives through these units. In addition to the NSS and NCC groups, the institute's many departments are cognizant of their roles in educating students about social concerns through a variety of programmes in order to help them become responsible members of society.Swachh Bharat, Environmental Awareness, Health and Hygiene, Tree Planting, World Polio Day, National Pollution Control Day, Ganga Cleaning Drive, World Environment Day, blood donation camps, and organising visits to orphanages are just a few of the significant initiatives and events that the institute organises every year.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	*NA*

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

4

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)

9

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

491

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

88

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)

8

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution has adequate infrastructure and physical facilities for teaching- learning. Adequate numbers of classrooms, tutorial rooms, and well-equipped laboratories are available in every department. The majority of the classrooms are equipped with LCD projectors, and LAN connections, and few classrooms are equipped with smart boards. Wi-Fi connectivity is available across the campus. The central library has adequate text and reference books with LIBSYS as ILMS software. With the facility of a digital library enables students and staff members to access the e-journals of Springer Link, a large collection of e-books, and video lectures uploaded by respective faculty members. Reading rooms are available in the central library and in departmental libraries as well for students and faculty members. The institute has a state-of-the-art language lab and a computer centre with internet connectivity. ICT-enabled seminar halls are available in the institute with LCD projectors and LAN connections for the

conduction of various academic events.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	[NA](NA)

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

The Institute has a fully air-conditioned auditorium with its own audio-visual and lighting facilities for conducting various cultural activities. Institute hosts an annual cultural program, and a freshers' welcome and farewell program for students every year. Institute has its own Basketball Court and one outdoor Badminton Court. The common room for students is equipped with a facility for Carrom and Table Tennis as indoor sports. Annual Sports and Games are conducted every year in the institute. Institute is having its own Cricket and football team. Students of our Institute regularly participate in sports and related activities conducted by Maulana Abul Kalam Azad University of Technology, as well as other inter-college sports tournaments. The students receive prizes from various competitions every year. The Gymnasium of the institute was established in the year 1999 of 100 sq. m area and is being used by both students and staff members. The institute established Swami Vivekananda Centre for Positive Thinking of 75 sq. m area and developed a Yoga centre for both students and staff members.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	**No File Uploaded**
Paste link for additional information	[NA](NA)

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

52

File Description	Documents
Upload any additional information	**No File Uploaded**
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)

92.18

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 central library of the institute uses LIBSYS, a Library Automation Software for Integrated Library Management System (ILMS). It was procured in the year 2003 and is employed in Institutional Central Library throughout the year. Presently, the system is fully automated and the LSEASE version of the LIBSYS software is being used. Such web-based library management solution enabled library staffs to manage all library operations efficiently including acquisition, cataloguing, circulation, serials, new purchase approvals, collection development etc. Central library has active subscription to Springer e-journals and several hardcopy journals. The e-books of Pearson, IEEE, MGH and Springer and DELNET database are accessible for students and staff members.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	NA

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	B. Any 3 of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

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

8.02

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
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

75

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

The institute is having Windows Operating System Version 10.0, with Paper License for 100 users and its validity is up to

2022-2023. In addition to this Microsoft Team Licensed version for 100 users is available. As Security Policy is concerned, the institute is having Firewall (i.e. Checkpoint) for filtering and Routing of the incoming and outgoing traffic. Quick Heal Antivirus with 120 user's license is available. The institute has been selected by National Cyber Safety and Security Standards (NCSSS) as a "Resource Centre" for Cyber Security. In order to secure the network, Internet Unit (Computer Maintenance Cell) of the institute has taken appropriate steps by installing firewalls, access controlling, virus checking and content filtering software at the gateway. The activities done by the maintenance cell includes, Software Installation & Licensing, Hosting of Web Pages, Monitoring Network Usage, Access to Computer Centre, Guidelines for Desktop Users, Video Surveillance etc. However, in the presence of clearly defined IT policies, the users are aware of these policies, hence easy for the network management team to manage the entire network smoothly.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	[NA](NA)

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1578	**775**

File Description	Documents
Upload any additional information	**No File Uploaded**

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

File Description	Documents
Details of bandwidth available in the Institution	[View File](View_File)
Upload any additional information	**No File Uploaded**

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	**No File Uploaded**
Paste link for additional information	NA
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)

85.64

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.

To plan, execute, utilize, monitor and maintain the academic and support facilities such as laboratory, library, sports complex, computers, classrooms etc. there exist several committees in departmental as well as institute level. Few such committees are Academic Council, Departmental Academic Committee (DAC), Library committee, Research committee, Training and placement Committee, Sports committee etc. The members of the committee meet at regular interval to discuss and resolve the issues pertaining to academic and support facilities. The proposals coming out of these committees are then placed to the top management for approval. Once the proposals are approved, actions initiated to implement the policies. The maintenance activities of the institute are under

the Administration Department. There are permanent staff members available to handling the entire system of maintenance. For the maintenance of Air conditioners and water coolers in the Institute the AMC is given to Vendors outside. Similarly, the maintenance of Electrical equipment and day to day cleaning, carpentry work is done, and contract is given to vendors outside. Similarly, the security of the Institute is done by outsourcing the job to agency outside on contractual basis.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	[NA](NA)

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

68

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

209

File Description	Documents
Upload any additional information	**No File Uploaded**
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are	**A. All of the above**

organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

File Description	Documents
Link to Institutional website	https://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/12/23145511/5.1.3.pdf
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

243

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	View File
Upload any additional information	**No File Uploaded**

5.2 - Student Progression

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

287

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

5.2.2 - Number of outgoing students progressing to higher education

11

File Description	Documents
Upload supporting data for students/alumni	**No File Uploaded**
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

3

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

0

File Description	Documents
e-copies of award letters and certificates	**No File Uploaded**
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

Currently, we don't have Student Council as such, but there are student representatives in several bodies and/or committees of the institution.

1.One student representative in IQAC

2.Student's representatives also present in Anti-ragging committee and Anti- ragging Monitoring Cell

3. Students' Canteen Committee has also student's representative

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	[NA](#)

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

40

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

Yes, there is a alumni Association and

Name of the Association: MCKVIE Alumni Association

Registration Number: S/2L No.60214 of 2016-2017

The college has a registered Alumni Association. All the outgoing students automatically become members of the association. The Institute gives importance to feedback data obtained from alumni for the betterment of the Institute. An Alumni meet is organized every year in the institute during which relevant feedback is

also collected to improve the institute's performance in academic and professional domain such as the basic requirements of the companies from the graduate engineers.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	NA

5.4.2 - Alumni's financial contribution during the year	E. <2 Lakhs

File Description	Documents
Upload any additional information	**No File Uploaded**

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

Effective leadership significantly impacts on policy, planning and management of engineering education. To endorse quality of education to all stakeholders in academic, social and ethical arena in our institute, the authority has developed a responsible and participatory management. The management has adapted various means for improving the effectiveness of education system and the quality of educational services.

1. **At various levels, the Institute grooms the leadership. Governing body, Management, Principal, IQAC, Academic Council, Board of Studies, Examination Cell, Training and Placement Cell, Departmental Academic Committee, Library Committee and various other bodies have been authorized to propose, design, formulate and execute their plans within the framework of governance. The HoDs, Deans, CoE along with the other teaching staff, non-teaching staff, supporting staff, student representatives and alumni are engaged in various activities coherently in tune with the vision and mission of the institute.**
2. **Students are empowered to play active role in coordinating the co-curricular, extra-curricular activities and social services. The institute inspires the culture of participative management by involving the staff and students in various activities. The Rotaract club of the Institute organized several students' online programme during pandemic.**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	NA

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

The effective leadership is already reflected in various institutional practices such as decentralization and participative management by forming different committees, cells and bodies and empowering them within the organizational framework of the institute. Be it cultural activities, games

and sports, social activities, technical fest, annual cultural fest or any other event bearing the need of the society, a concrete participative management consisting of all the stakeholders always helps the institute in executing them efficiently.

Activities of Library Committee as a case study showing participative management:

Library Committee is a body consisting of certain personnel who will supervise and advise the Librarian in library matter. It has been recognized as the essential agency which is needed for the governance of the library service in a better way. The main function is to select and acquire sufficient reading materials for its readers.

Composition

Sl. No.

Designation

Category

1

Chairman

Nominated by the Principal

2

Member

All Deans

3

Member

One Faculty Nominated by HOD of all departments

4

Member

```
Two Library Staff Nominated by the Principal

5

Member Secretary

Librarian

Term

The term of the nominated members shall be three years.

Meetings

The Library Committee shall meet at least twice a year.
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File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	**No File Uploaded**
Paste link for additional Information	NA

6.2 - Strategy Development and Deployment

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

```
Institutional Strategic Goals:

1. Efficient Teaching erudition procedure

2. Internal Quality Assurance System

3. Ensuring effective governance

4. Student's Overall Development through Participation

5. Escalating Placements

6. Proper Discipline

7. Women/Student/Faculty Grievance
```

8. Financial Planning & Management

9. Institute – Industry Interaction

10. Encouragement of Budding Entrepreneurs

11. Constant Growth in Research and Development

12. Boosting Internal Revenue Generation

13. Alumni Interaction and Outreach activities

14. Physical Infrastructure including barrier free space

Strategic Planning:

Efficient Teaching-Learning methodology

Effective Leadership and Participative management

Internal Quality Assurance System

Ensuring Effective Governance

Student's Overall Development through Participation

Employees Advancement & Welfare Placements

Proper Discipline

Women/Student/Faculty Grievance

Financial Planning & Management

Institute – Industry Interaction Cell

Encouragement of Budding Entrepreneurs

Constant Growth in Research and Innovation

Alumni Interaction and Outreached Activities

Boosting Internal Revenue Generation

Physical Infrastructure

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	[NA](#)
Upload any additional information	**No File Uploaded**

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 Body of the institute acts as the top most managing authority of the authority and it guides and approves all the policy making issues of it. The Principal looks after all the day to day activities for running the institute as per the decisions and/or resolutions of the Governing Body. He interacts with Academic Council for taking all the academic decisions and executing academic expansion activities. He is also the Chairman of the IQAC which monitors overall activities of the institute and maintains the quality benchmark. As a part of participative management, Dean-Academics, Dean-Administration, Dean-Students Affairs and Dean-Research and Consultancy share responsibilities of the appropriate functional wings of the institute. The Finance Officer in consultation with the Finance Committee manages the financial issues with prior approval from the Principal. The Dean-Academics in association with the HoDs of different departments maintains all the daily academic activities of the institute, whereas the HoDs look after the departmental academic issues with the help of Departmental Academic Committee and Board of Studies. The examination system of the institute is maintained by the Controller of Examination office with prior approval from Dean-Academics.

File Description	Documents
Paste link to Organogram on the institution webpage	https://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/12/23145509/6.2.2-Organizational-Chart.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	NA

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

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 institute uses a well-defined system of Self Appraisal Report of Faculty members and Lab Instructors. Dully filled and signed Self-Appraisal form of Faculty members and laboratory Instructors are collected in June every tear and then scrutinized by HOD and provide his/ her comments regarding their performance. For HODs, Dean (Academics) scrutinizes the information. For Deans, Principal does the scrutiny. The API points obtained in Self-Appraisal and the marks scored in Students Feedback are then compiled by HR and send the same to Dean (Academic) for review.

Finally, Principal analyzes all the comments and sends reports / recommendations to Chairman.

The faculty members or laboratory instructors whose rating is less than threshold value are called for a discussion on improvement of his/ her deficiencies and measures he/she is going to take to rectify the same.

Other Welfare measures:

- **Bus facility for attending institute at free of cost**
- **Free of cost lunch facility**
- **Health checkup facility at subsidized rate at the trust diagnostic centre**
- **Tuition fee waiver for wards of the employees studying in the trust school.**
- **Monthly general health check up**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	NA

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

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	**No File Uploaded**

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

11

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	**No File Uploaded**

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.)

70

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	**No File Uploaded**

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The financial audit is completed for the academic year 2021-22.There are no major audit objections.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	NA

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)

0

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	**No File Uploaded**
Any additional information	**No File Uploaded**

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

The institute is a self-financing institute and it receives no fund from government for its running. The main fund that it receives is as the tuition fees from the students. All the recurring and non-recurring expenditures are incurred from that fund only. The institute asks for budget proposal from each department in every financial year to meet up the requirement for manpower for running its library, laboratory, project, research etc. Funds are allocated by the institute accordingly. Over and above, the development of central facilities and welfares are done from the same fund only. Some of the laboratories have been enriched in collaboration with industries and/or using funds from govt. (MODROB). Some of the events have been organized in collaboration with external manpower. Requirements from admin department is also taken periodically.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	[NA](NA)

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)

Three practices institutionalized as a result of IQAC initiative are:

** 1. Installation of Instittion's Innovation Council (IIC)**

for the implementation of NISP.

2. Adopting blended mode of teaching while coming back to new normal condition after COVID-19 pandemic.

3. Conducting placement oriented training program for final year students for achieving better hit ratio in the placement drives.

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

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

Teaching-learning process:

Under the new normal condition after COVID-19 pandemic, the faculty members have been motivated to adopt blended mode of teaching.

Evaluation process:

The evaluation for different papers is composed of internal and external assessment tools. The internal assessment for theory, practical and sessional papers has the following components.

Implementation of Outcome Based Education (OBE):

During a decade or so the institute has started implementing OBE as per the guidelines of NBA. Course Outcomes (CO), Program Outcomes (PO) and Program Specific Outcomes (PSO) are formulated and course curriculum has been designed accordingly.

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

6.5.3 - Quality assurance initiatives of the	C. Any 2 of the above

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)

File Description	Documents
Paste the web link of annual reports of the Institution	https://lsplwebsitedata.s3.ap-south-1.amazonaws.com/mckvi-wp-data/wp-content/uploads/2022/08/09222957/ANNUAL-REPORT-2021-final-compressed.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

Safety and security: The Internal Complaints Committee (ICC) regularly conducts meetings to oversee the safety and security for females in the workplace and carrying out the activities to promote gender equity and sensitization, organizing talks and awareness programs on discrimination against women, maintenance of safe working environment etc.

1. Security personnel, student and staff ID cards, CCTV.
2. Engagement of Security professional and hostel warden in girl hostel in the campus.
3. Regular medical check-up and a lady nurse/doctor for women in the campus. The college has installed one Automatic Sanitary Vending M/C mini (Maker: VEND IGO) at A block 1st floor Girls Toilet.
4. A grievance redress and anti sexual harassment cells provides a convenient opportunity for girls to voice

their problems.

Counselling: Alady students' Counselor is appointed. Her work incorporates positive guidance to the engineering students of all batches. Students facing any of their academic, career related or personal problems can contact her to resolve their problem.

Extra-curricular activities:

The curricular and co- and extra-curricular activities promoting gender equity and sensitization and the facilities available for women on campus, viz. Vishwa Swachhta Diwas,Sanitary napkin distribution,Voice your opinion,Self Defence Training Programme, BRAVE ART etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	NA

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	No File Uploaded

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)

The college has set up separate bins to ensure proper segregation and collection of the various wastes.

Solid waste management: All solid wastes (paper, metal, glass, other dry waste, e-waste, etc.) are separated in different bins in the college and resell to the local vendor. Moreover, a few out dated computers are gifted to local schools.

Liquid waste management: It is to be noted that there are no harmful waste water/ Nontoxic chemicals from chemistry lab is emitted during the experimentation. Most of the waste generated is water-soluble and ultimately disposed through normal sewage system, diluted largely so bio magnifications is negligent. However, the ceramic materials like Glass which are broken during the experimentation are stored in a bucked and are sold to vendors for recycling.

E-waste management: E-waste like batteries, print cartridges, old/obsolete computer is sold to vendors for recycling. Moreover, a few out dated computers are gifted to local schools.

Waste recycling system: No, the college does not have any such recycling device to carry on the procedure. However, glass, cans, white coloured and brown paper, batteries, print cartridges, cardboard and furniture are sold to vendors for recycling.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**No File Uploaded**
Geotagged photographs of the facilities	[View File](#)
Any other relevant information	**No File Uploaded**

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	**C. Any 2 of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	[View File](#)
Any other relevant information	**No File Uploaded**

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	C. Any 2 of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
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 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.	**C. Any 2 of the above**

File Description	Documents
Geotagged photographs / videos of facilities	[View File](#)
Policy documents and brochures on the support to be provided	**No File Uploaded**
Details of the software procured for providing assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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).

The institute is involved in various cultural, regional, socio-economic an dother related activities throughou tthe year.

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

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

The institute promotes activities related to sensitization of thestudents and the employees of it to develop the sense of values,rights, duties and responsibilities as a responsible citizen of thecountry.

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	**C. Any 2 of the above**

File Description	Documents
Code of Ethics - policy document	**No File Uploaded**
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	**No File Uploaded**
Any other relevant information	View File

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

The institute celebrates and/ororganizes national and international commemorative days, events and festivals throughout the year.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	**No File Uploaded**
Geotagged photographs of some of the events	**No File Uploaded**
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 I

Promotion of inculcating Positive Mindset among Students and Staffs.

Best Practice II

Technotica: A Technical Competition.

File Description	Documents
Best practices in the Institutional website	https://www.mckvie.edu.in/best-practices-and-distinctiveness/
Any other relevant information	[NA](#)

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)

The prime area of distinctiveness are given below:

1. **Emerging Tech Laboratory**
2. **Green-Campus-Clean-Campus**
3. **Institution's Innovation Council (IIC)**
4. **PRAYAS**

File Description	Documents
Appropriate link in the institutional website	https://www.mckvie.edu.in/best-practices-and-distinctiveness/
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

```
Infrastructure:

  1.  To automate various academic and administrative processes
      including finance, examination and admission systems.
  2.  To create additional infrastructure by optimally
      utilizing the available space for the upcoming new
      courses.

Library Resources:

To upgrade Library Resources to include video lectures, study
materials etc. which can be accessed by Students and Faculty
online.

Linkages:

  1.  To sign MOU's with Industry Associations to promote
      Academia -Industry Linkages, to enable placements,
      internship, training, etc. for the students.
  2.  To establish national and/or international collaborations
      with academia to promote collaborative research for
      faculty members and internship for the students.

Faculty:

To encourage faculty member to apply for R&C, Sponsored
projects and IPR.

Social Obligations:

To continue organizing Extension Activities for the benefit of
the Society and to create awareness on various social issues.
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