



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**MARWADI UNIVERSITY**

**RAJKOT - MORBI ROAD,  
360003**

**[www.marwadiuniversity.ac.in](http://www.marwadiuniversity.ac.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**March 2023**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

To prepare young students to make use of the job opportunities available in the business-oriented and technologically advanced region of Saurashtra to the fullest, Marwadi Chandarana Group, a conglomerate having more than 3% of equity trade volume on the Bombay Stock Exchange and a daily transactional turnover upto one lakh crore plus, was encouraged to establish an educational institute in 2008, that provides quality education to a larger number of students. With a vision to contribute to the economic growth of the region through industry-ready professionals, Marwadi Education Foundation's Group of Institutions (MEFGI) started offering UG programmes in Engineering and PG programmes in Management and Computer Applications in 2009.

The institute made large-scale investments to provide world-class infrastructural facilities. Close academic supervision has resulted in making MEFGI a prominent learning place. As a result, MEFGI was the first and only institute in Gujarat to have received A+ accreditation by NAAC. With this step-wise progress, a proposal to establish Marwadi University was presented, bill was passed in Gujarat Assembly and Marwadi University was established by Gujarat Private Universities act 9 of 2016 on 9th May 2016.

Marwadi University started offering degree programmes in Engineering, Management, Computer Applications and Commerce in 2016 and added Law and Pharmacy in 2018 and Physiotherapy in 2019. Marwadi University has attached a special character to itself by providing quality benchmarks, setting up startup and innovation centre, internationalisation, and designing cutting-edge curricula with the support of faculty members from prestigious institutions across the world. In 2021, University received "Centre of Excellence" status from the Government of Gujarat, a special status bestowed on only 6 top-performing universities in Gujarat.

An ecosystem is in place to promote innovation through DST's NewGen IEDC Incubation Centre and University received the Excellent band in the Atal Ranking of Institutions on Innovation Achievements (ARIIA 2021). Marwadi University is also a paper-free University in administration with the help of University Resource Planning(UniRP).

University has MoUs with 32 international academic institutions and 11% international student strength showcasing the cultural diversity at the campus. This makes Marwadi University a true example of innovative and diverse learning.

### **Vision**

Vision and Mission adopted by the University is based upon the framework developed by "*Building Your Company's Vision*" by *Jim Collins*, an American researcher, author, speaker and consultant focused on the subject of business management, company sustainability and growth.

The University had *participative, collaborative and fruitful discussions among all stakeholders* to develop and finalize Vision and Mission for the University, which is presented as below;

### **Our Vision**

*To foster an environment that empowers people, organizations and societies through education, ideas, research and training*

## **Mission**

### **Our Mission**

- To provide quality education and thereby bring social transformation
- To create leaders through innovation and entrepreneurship
- To cultivate the culture of research advancements
- To imbibe universal consciousness
- To stimulate growth through industrial and international partnerships

## **1.2 Strength, Weakness, Opportunity and Challenges(SWOC)**

### **Institutional Strength**

- Internationalization and Student Diversity, students from 52 Nations and representation of 18 states on campus
- World Class Infrastructure and amenities having green and sustainability concepts creating serene ambience
- Indigenously developed University Resource Planning (UniRP) system making University virtually paper free and bringing transparency in governance, reducing admin burden and exchange of real time data
- Centre of Excellence (CoE) status awarded by the Government of Gujarat after a rigorous screening and assessment process. The youngest and only University outside Ahmedabad region to receive CoE status
- Dynamic faculty members from 22 states working towards achieving the University vision
- Learner-centric approach and focus on all-round development of the students
- Active linkages with institutions, industries and research organisations to enrich and update the curriculum
- Focus on Lifelong learning for faculty and staff
- Every classroom and laboratory with internet connectivity and WiFi across the campus for blended learning and assessing e-resources
- Every faculty is trained on the pedagogical aspect of teaching-learning process to achieve academic rigour and attain program outcomes
- Continuous, completely automated and transparent e-assessment evaluation system imparting Choice Based Credit System (CBCS)
- International Relations Cell creating collaboration with foreign academic institutions and creating opportunity for student and staff exchange and promoting joint research, credit transfer and dual degree programs
- NCC, NSS and community outreach activities and engagement

### **Institutional Weakness**

- Lack of autonomy in fees and admissions due to state regulations of Fees Regulations Committee and

Admission Committee for Professional Courses

- Financial dependency on student fees and the ever-growing need for funds for cutting edge Research facilities
- Alumni Engagement is in its nascent stage as only a few batches have passed out and all alumni are at a very early stage of their career
- **Location Disadvantage:** Situated in Rajkot, a Tier III city having very limited Air and Rail connectivity for the businesses to grow and MNCs setting up their units
- Less number of full-time doctoral students

### **Institutional Opportunity**

- University has the best infrastructure and faculty diversity in the region
- Growth of the region was seen recently as Rajkot is given Smart City grant, AIIMS, International Airport will develop eco system of education, placement and investments in the region
- Addressing needs of the industry by creating customised programs and services which can generate additional revenue
- Developing interdisciplinary programmes
- Increase in international students through Student Ambassador program shows faith of our existing students on the quality of education and respect given to every human being irrespective of their cast, race and religion
- Strengthening Research and Innovation by attracting funds from National and International agencies
- Offering consultancy services in domains of family business, energy, design and manufacturing and establish more accredited laboratories for research and testing
- National Education Policy 2020 focusing on increase in enrolment ratio and promoting quality private institutions at par with Government Universities
- Creating more hostel spaces on campus to enhance student engagement and activities

### **Institutional Challenge**

- Creation of additional space to promote Art and specialized clubs
- Polarization of education towards Computer Engineering and Information Technology programs and lack of interest towards core engineering and technology programs
- Offering more scholarship
- Attracting and retaining experienced faculty members
- Keeping pace with fast changes in all disciplines and increase in expectations from industry and society to have industry ready graduates.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

#### **Curriculum design and development**

The curricula development emphasizes the gain of knowledge, competencies, and relevance to the local needs and emerging national and global trends. During curricula design, the aspects relating to the development of

leadership qualities, ethical and moral virtues are taken into consideration.

Average 88% percentage of courses having focus on employability, entrepreneurship, skill development.

Advanced training in some specific skill sets through Moot courts for Law students, Clinical posting and on-campus Out-Patients Department (OPD) for Physiotherapy students and laboratory techniques for B.Sc. Microbiology students to impart skills to ensure employability.

Fostering entrepreneurship through collaborations with professional organizations and businesses. Pitch deck training for start-up by Marwadi University Centre of Innovation, Incubation and Research.

### **Academic flexibility**

CBCS course structure implemented in 93.10% of the programs offered in the last five years. CBCS allows more flexibility in choosing skill-oriented, interdisciplinary courses as per their learning needs.

### **Curriculum enrichment**

Value-added courses in various focus areas of science and technology, communication skills, yoga and sports to provide transferable and life skills. Partnership with Coursera for accessing courses, guided projects on its platform.

118 value-added courses offered through constituent institutions and average 75.36% percentage of students enrolled in the value-added courses offered during the last 5 years.

Emphasis on research projects and internships to promote the culture of research, enhancing employability and creating industry-academia collaborations.

54.17% students undertaken internships/projects/field visits in 2021-22

### **Feedback System**

Feedback on the curriculum from stakeholders is discussed in the Board of Studies and appropriate actions are taken.

### **Teaching-learning and Evaluation**

Marwadi University (MU) is able to attract applicants from all Indian states as well as from abroad due to its transparent, equitable and regulatory-compliant admission procedures. This is clearly evident from its impressive demand ratio of 1.5 and 91% admissions against seats earmarked for reservation as per state government policies.

MU categorizes students into premium, average, and challenged learners, with AI-driven cards available to track attendance and academic performance. Advanced learners are encouraged to participate in co-curricular activities like MU Fest, SAE BAJA, Moot Court etc., while slow learners are given extra classes, support and motivation. This is possible due to a healthy student-faculty ratio of 17:1 with more than 100% full-time faculties recruited against sanctioned posts.

Almost 100% of faculty members at MU are using various ICT-enabled tools and student-centric methods to incorporate active learning, project-based learning, and other participatory learning techniques for improving student learning experiences.

MU has developed an indigenous ERP system to provide trustworthy, unbiased and transparent processes. All phases of examination starting from registration of students to result declaration and post-processing are fully automated with an average result declaration time of around 5.4days and average grievances about evaluation at mere 0.15%

MU has implemented Outcome Based Education since its inception, with Program Outcomes (PO) and Program Specific Outcomes (PSO) derived by rigorous process and consultation with stakeholders. These outcomes are discussed in department meetings and approved by the Board of Studies, Faculty Board, and Academic Council.

### **Research, Innovations and Extension**

Since 2016, the university has had a well-established Research policy and Committee to promote research culture among faculties and students. To improve the effectiveness of the research activities, a non-statutory body called as University Research Council(URC) has been established in 2022.

The university has refined and revised its policies from time to time. At present, various policies such as Research and Development Policy, Research Promotion/Incentive Policy, Consultancy policy, Intellectual Property Rights(IPR) policy, and Plagiarism Policy are in effect. Furthermore, schemes such as seed grants and faculty industry immersion programs are also implemented to encourage faculties to conduct quality research in emerging areas. Various policies are circulated to faculties through website, institute ERP and email from time to time.

The university imbibes the culture of Research Ethics as well as Intellectual Property Rights in faculties and students. To achieve this, separate courses on Research Methodology, and Research Ethics are introduced in the curriculum of the Ph.D. Program.

Faculties are encouraged to apply to various schemes of the government and non-government bodies to undertake research. In addition to this, faculties are encouraged to collaborate with industries to undertake industrial problems and focus on their solutions.

As a result of the research work, a significant percentage of research articles are published in reputed journals, conferences and book/book chapters.

The university has established a dedicated innovation centre since its inception. The centre undertakes various research, skill development, and IPR related activities and provided financial and technical support to innovators. As a result, several IPRs including Patents, Designs and Copyrights are filed to respective offices.

The welfare of various stakeholders and society is at the heart of the university. A large spectrum of activities is carried out under the umbrella of initiatives such as NSS, NCC, Unnat Bharat Abhiyan and Swachh Bharat Abhiyan. The villages adopted under such programs include Bedi, Ratanpar, Moviya, Gauridad, Ishwariya and Gundada.

The university has signed numerous MoU with reputed universities, local industries and corporate agencies. This has resulted in a significant number of collaborative activities such as collaborative research projects, student exchange programs, faculty exchange programs, and internships of students.

### **Infrastructure and Learning Resources**

Marwadi University Campus is a synonym of the Green Campus. More than 1200 trees and about 150 species of plants make the campus very beautiful. A state-of-the-art infrastructure, laboratories, studios, libraries, conference and board rooms, etc., with the faculties handpicked amongst the best, is the basic objective of the organisation, is to be the trendsetter and a place of choice for knowledge aspirants in the peninsula of Saurashtra and Kutch. The University has various facilities for cultural events and sports. These are Music Room, auditoriums, amphitheatre, cricket ground, gymnasium, volleyball and basketball courts, football ground etc.

The University has separate hostels for boys and girls. The University has one canteen and food courts at various places to cater to the needs of its students, staff, and faculty members. Besides, there is Bank, ATM Facility Health Centre and 24X7 Ambulance service available.

The University library has a rich collection of print and digital books. Library adopts ERP systems integration with RFID Technology. The library also provides Kindle library service to its users, kindle devices issued to users just like Books. The library has got a place in Guinness World Record after the successful completion of a record attempt for relay reading which was executed under the title **“Most People participating in a Reading Relay - Single Work.” “Gandhiji’s Autobiography: My experiments with Truth”**. 3071 students and staff participated and read the aforesaid autobiography in relay successfully. The record attempt started at 8:00 am on 22nd September 2015 and lasted till 6:30 pm and the record is still Intact.

The University has established fully automated systems for maintaining and utilising the physical spaces. The maintenance department takes care of the university buildings, classrooms, and Laboratories and also maintain sports ground and Gardens.

The University follows a systematic process of planning, creating, maintaining, and utilising its physical infrastructure, both in terms of academic and support facilities. It has established a full-fledged Estate Department for looking after the maintenance of the buildings, classrooms, laboratories, lawn/garden, sports field, auditoriums, guest house, etc.

Fully WI-FI campus, having 1 GBPS internet speed and support systems.

### **Student Support and Progression**

Students are benefited from scholarships and freeships provided by the University, government, and nongovernment agencies. All the constituent departments of the University provide career counselling and guidance for competitive examinations to its students. Several activities are organized for the capacity development and skills enhancement of students. The activities are focused on improving soft skills, language and communication skills, life skills (yoga, physical fitness, health, and hygiene), and awareness of trends in technology.

The University adopts transparent mechanisms for the redressal of student grievances as per the guidelines of statutory/regulatory bodies.

Students appear in state/national/international level examinations (e.g., IIT/ JAM/ NET/SLET/GATE/GMAT/CAT, GRE/TOEFL/Civil Services/State government examinations. Many of them successfully clear such examinations. Students are facilitated for career counselling and campus placement.

Several awards/medals are won by students for outstanding performance in sports/cultural/co-curricular activities at inter-university/state/national/international levels.

There is a Students Welfare Board (SWB) at the department level which represents the University level SWB that looks into the welfare activities of the students. There are coordinators of SWB in each department. The Board aims at promoting the social-psychological and cultural growth of the students through a host of activities all year round. The board carries out cultural, sports, and social activities for the students.

Various Student Councils (SCs) are there at the department levels which are as under:

- The SC of the Chemical Engineering Department
- The SC of the Faculty of Physiotherapy
- The SC of the Faculty of Pharmacy
- The SC of the Mechanical Department
- SC of Computer Engineering Department
- SC of Automobile Engineering:
- The SC of Civil Engineering
- Faculty of Law SC
- The SC of the Faculty of Science:
- The SC of the Faculty of Computer Applications
- The SC of the Faculty of Management Studies

Under the umbrella of Marwadi University, departments have their individual Alumni chapters to coordinate and provide a direction for all alumni-related activities and engagements. The alumni association facilitates the functioning of alumni chapters and works towards the strengthening of the Industry-Institute interface, participation in statutory and non-statutory bodies and create placement opportunities. The association pursues and sustains excellence in education through interaction between alumni, faculty and present/current students of the University.

### **Governance, Leadership and Management**

The vision and Mission of the University illustrate its roadmap and the same has been adopted by the staff members in total for the fulfilment of its objectives while up-keeping the Core values for which the University stands for.

Statutory bodies such as Governing Body, Academic Council, Board of Management & Finance Committee and Board of Studies have been formed at the University to consider the data and make judgments in the areas of activities. University governance and its management are controlled by IT modules developed by in-house developers for improving capabilities and facilitating students in their path of learning & development. This has also helped in making paperless transactions with minimal movement of physical papers and thus supports the



Green initiatives of the University.

The mission of the University has been translated into strategic plans and the same has been deployed through defined actionable to be attained during a specified period of time. Implementation of such strategic plans at the grass root level has yielded results towards the internationalization of higher education. University has been successful in bringing more than 11% of its total students on campus as international students, enabling cross-board education, outreach to international educators and open opportunities for knowledge dissemination and sharing.

PBAS system developed by the Human Resource Department has defined norms for internal promotions and desired candidates fulfilling the eligibility norms are promoted to a suitable cadre with bigger organizational roles.

A faculty member at the University applies to various funding agencies for mobilizing financial resources and undertaking research activities. The robust IT system at the University monitors and ensures the effective utilization of financial resources. As a statutory requirement, University also has a structured mechanism of internal and external audits of books of accounts.

Practices such as delegation of financial & administrative powers, participation in statutory meetings and sharing of views and suggestions in the open houses are one of a kind which the University has adopted to attain participative management and a decentralized approach towards deliverables.

### **Institutional Values and Best Practices**

We, at the University strongly believe in instilling the right values in our students and staff. The composition of students and staff members at the University reflects its commitment to gender equity. To become responsible citizens, we continuously educate students about constitutional obligations, environmental consciousness, and sustainability at the university.

Various initiatives have been taken by University to keep campus green and environmentally friendly. As part of the University's efforts to conserve energy and be environmentally friendly, solar panels have been installed on campus. During each academic year, the University conducts energy audits and conducts energy conservation measures. ASSOCHAM GEM Green Building Council 2022 recognized Marwadi University as one of the most environment-friendly green campuses.

With its strategic tie-ups with many important industries, the institution aims to build an industry-oriented repository of technologies and skills. Moreover, it assists students with internships and projects in the industry, as well as hands-on learning experiences in real-life situations. University takes pride to be the youngest university to be recognized as a Centre of Excellence by the Government of Gujarat.

University has signed an MoU with the Indian Technology Congress Association (ITCA) and ISRO to launch Gujarat's first-ever student satellite. Gujarat's first student satellite will be made under the 75 Students Satellites Mission 2022 by Marwadi University's students and faculty.

As part of its mission to inculcate ethics and human values into students, the University strives to set a high standard. University students are trained to be academically brilliant, professionally excellent, and more importantly, responsible citizens.

University has adopted several best practices and some of them are listed herewith. University has **Empowered, Participative, and Transparent Governance through the indigenous University ERP System** which is now implemented at various national and regional Universities due to its comprehensive approach and inclusion of all outcome-based education processes. McGraw Hill publication has published books which are customized by Marwadi University faculty members based on the syllabus of first-year engineering subjects.

Internationalization has played a vital role at Marwadi University and in the region due to the presence of more than 11% of international students coming from 52 countries.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the University	
Name	MARWADI UNIVERSITY
Address	Rajkot - Morbi Road,
City	Rajkot
State	Gujarat
Pin	360003
Website	<a href="http://www.marwadiuniversity.ac.in">www.marwadiuniversity.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Sandeep Sancheti	0281-7123456	9638565600	-	provost@marwadiuniversity.ac.in
IQAC / CIQA coordinator	Nareshkumar Jadeja	0281-7174890	9727724694	-	registrar@marwadiuniversity.ac.in

Nature of University	
Nature of University	State Private University

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	09-05-2016
Status Prior to Establishment, If applicable	

<b>Recognition Details</b>		
<b>Date of Recognition as a University by UGC or Any Other National Agency :</b>		
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>
2f of UGC	12-03-2020	<a href="#">View Document</a>
12B of UGC		

<b>University with Potential for Excellence</b>	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

<b>Location, Area and Activity of Campus</b>							
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>	<b>Programmes Offered</b>	<b>Date of Establishment</b>	<b>Date of Recognition by UGC/MHRD</b>
Main campus	Rajkot - Morbi Road,	Urban	42	145957	Diploma, UG, PG, Ph.D		

## 2.2 ACADEMIC INFORMATION

### Furnish the Details of Colleges of University

<b>Type Of Colleges</b>	<b>Numbers</b>
Constituent Colleges	7
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	4
Colleges with Research Departments	2
University Recognized Research Institutes/Centers	0

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)		: Yes
SRA program	Document	
PCI	<a href="#">113303_10087_6_1669290362.pdf</a>	
BCI	<a href="#">113303_10087_8_1675769346.pdf</a>	

### Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	36				69				288			
Recruited	33	3	0	36	54	15	0	69	175	113	0	288
Yet to Recruit	0				0				0			
On Contract	0	0	0	0	0	0	0	0	31	8	0	39

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned				254
Recruited	196	58	0	254
Yet to Recruit				0
On Contract	0	0	0	0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned				49
Recruited	29	20	0	49
Yet to Recruit				0
On Contract	0	0	0	0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	33	3	0	50	13	0	26	20	0	145
M.Phil.	0	0	0	0	0	0	12	6	0	18
PG	0	0	0	4	2	0	137	87	0	230
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

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

**Distinguished Academicians Appointed As**

	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Emeritus Professor	2	0	0	2
Adjunct Professor	6	0	0	6
Visiting Professor	2	0	0	2

**Chairs Instituted by the University**

<b>Sl.No</b>	<b>Name of the Department</b>	<b>Name of the Chair</b>	<b>Name of the Sponsor Organisation/Agency</b>
1	Faculty of Management Studies	R.M Mehta Chair	R.M Mehta
2	Faculty of Engineering and Technology	Jyoti CNC Chair	Jyoti CNC LTD

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

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	3588	408	0	574	4570
	Female	1419	64	0	267	1750
	Others	0	0	0	0	0
PG	Male	313	87	0	43	443
	Female	349	32	0	20	401
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	187	22	0	21	230
	Female	95	11	0	8	114
	Others	0	0	0	0	0
Diploma	Male	787	6	0	38	831
	Female	147	1	0	15	163
	Others	0	0	0	0	0

<b>Does the University offer any Integrated Programmes?</b>	No
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#### Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	Nil
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

## 2.3 EVALUATIVE REPORT OF THE DEPARTMENTS



Department Name	Upload Report
Computer Applications	<a href="#">View Document</a>
Doctoral	<a href="#">View Document</a>
Engineering And Technology	<a href="#">View Document</a>
Law	<a href="#">View Document</a>
Management	<a href="#">View Document</a>
Pharmacy	<a href="#">View Document</a>
Physiotherapy	<a href="#">View Document</a>
Science	<a href="#">View Document</a>

### Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>a) Delineate the vision/plan of the institution to transform itself into a holistic Multidisciplinary institution. Marwadi University is already a Multidisciplinary University offering degree programs in science, technology, computer application, management, commerce, law, physiotherapy and pharmacy. Between AY 2022-25, Marwadi University will introduce more disciplines such as Economics, Sociology, Political Science, Psychology, Nursing, Bioinformatics, Education, Homeopathy, Ayurveda, Agriculture, Environmental Sciences and Hotel Management. b) Delineate the institutional approach towards the integration of humanities and science with STEM and provide the details of the programs with combinations. Towards this integration, Open Electives from different departments are being offered. In the proposed FYUG Programs, a student has to take one Open Elective, other than from her/his parent department, in each Semester. c) Does the institution offer flexible and innovative curricula that includes credit-based courses and projects in the areas of community engagement and service, environmental education, and value-based education towards the attainment of a holistic Multidisciplinary education. Explain. YES. The existing degree programs have credit courses on environmental education, and value-based education. Yoga is offered to all students as a non-credit course and we are planning to introduce it as a credit-course from the next academic year. From AY 2022,</p>
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	<p>Students of the newly launched NEP-compliant FYUG Programs can take up credit-based courses and projects such as Environmental education, Value Education, Indian Constitution, Professional Ethics, and Universal Human Values as part of different Degree Programs. d) What is the institutional plan for offering a Multidisciplinary flexible curriculum that enables multiple entry and exit at the end of 1st, 2nd and 3rd years of undergraduate education while maintaining the rigor of learning? Explain with examples. From AY 2023, two NEP-compliant FYUG Programs – BCA(Hons) and BA (Hons) - are already introduced. As per NEP, Students of these programs will get Certificate, Diploma, Bachelor's degree, Bachelor's degree with Hons / Hons (with Research) if they complete four years. Provision of Mandatory job internship have also been introduced for students exercising the exit option after one or two years. e) What are institutional plans to engage in more Multidisciplinary research endeavours to find solutions to society's most pressing issues and challenges? Currently, Faculty Members are undertaking research and publications and project work many of which are Multidisciplinary /interdisciplinary in nature. From AY 2023, the newly introduced FYUG Programs will encourage the students to take up internships and research projects on identified societal problems using Multidisciplinary approach. The University will apply to AICTE for funding of research Projects under IKS Competitive Research Proposals Program. f) Describe any good practice/s of the institution to promote Multidisciplinary /interdisciplinary approach in view of NEP 2020. The University Open Electives from different disciplines is a good practice to promote Multidisciplinary and interdisciplinarity. The number of Open electives are projected to increase to 40 in AY 2023 and to 50 in AY 2024</p>
2. Academic bank of credits (ABC):	<p>a) Describe the initiatives taken by the institution to fulfill the requirement of Academic bank of credits as proposed in NEP 2020. We have designed sessions for counseling and guidance for all students to open individual Academic Bank Account with Academic Bank of Credits. b) Whether the institution has registered under the ABC to permit its learners to avail the benefit of Multiple entries and exit during the chosen programme? Provide details. Marwadi</p>

University, Rajkot is already registered for the ABC as per the recommended process for HEI based on UGC circular dated 28 July 2021. Students' registration will start from 2023 and other benefits of ABC like Multiple entry and Multiple exit will be effectively utilized from the year 2024. As of 17 Mar 2023, 5247 students have opened their ABC account constituting 74.55 % of eligible students. c) Describe the efforts of the institution for seamless collaboration, internationalization of education, joint degrees between Indian and foreign institutions, and to enable credit transfer. Through internationalization, we aim to create an immersive and inclusive academic environment that celebrates diversity and promotes cultural understanding. Credit Transfer: we have implemented a credit transfer policy, which allows students to transfer credits between institutions seamlessly. This policy enables students to pursue their education in different institutions without any loss of credit or time. Our faculty and staff work closely with the students to ensure that the credits are transferred accurately and in a timely manner. Marwadi University has already started collaborating with foreign universities like 'University of Pitesti, Romania', the University of Rhode Island, USA and 'Lodz University of Technology, Poland'. Postgraduate students at Marwadi University have the opportunity to conduct research at the University of Rhode Island in the USA, with the added benefit of credit transfer in the same semester. This type of collaboration can provide valuable learning experiences and help students develop their research skills in an international setting. In international partnership for both as the students as well as faculties we have mobility programs under Erasmus+ d) How faculties are encouraged to design their own curricular and pedagogical approaches within the approved framework, including textbook, reading material selections, assignments, and assessments etc. Faculties Members have the flexibility to choose their pedagogical tools based on subject requirements. This includes adding current topics relating to subjects beyond the syllabus. Faculties have autonomy in finalizing internal assessment. The presence of faculty in various academic committees helps them to obtain feedback from the other Members drawn from such stakeholders as student

	<p>alumni, start-up founders and industry representatives. e) Describe any good practice/s of the institution pertaining to the implementation of Academic bank of credits (ABC) in the institution in view of NEP Seminars on NEP and ABC were planned for faculties and they sensitized students for ABC registration</p>
<p>3. Skill development:</p>	<p>a) Describe the efforts made by the institution to strengthen the vocational education and soft-skills of students All the Degree Programs have a good number of soft skill courses. Additional placement-oriented life skills are provided. Currently, the University is offering 110 skill development courses as per the guidelines of NSQF. b) Provide the details of the programs offered to promote vocational education and its integration into mainstream education. Students are encouraged to bring their ideas to fruition using the state government's Student Start-Up and Innovation Policy. The university is actively considering introduction of Vocational courses in the near future after deliberations and inputs from stakeholders. c) How the institution is providing value-based: Life skills are already a part of the curriculum. Other value-based education will be integrated in the new NEP 2020-compliant educational Programs. As a part of fulfilling NEP 2020 articulated aspirations, Marwadi University, Faculty of Management Studies organized a Symposium on Universal Human Values at Higher Learning Institutes on August 27, 2022. d) Enlist the institution's efforts to: Design a credit structure to ensure that all students take at least one vocational course before graduating Through partnerships with various skill sector councils, All programs of the university provide one skill per year to every student. Two New NEP 2020-compliant FYUG Programs – BCA and BA (Hons) – have their credit structure to facilitate students to take at least one vocational course before graduating. Engaging the services of industry veterans and Master Crafts persons to provide vocational skills and overcome gaps vis-à-vis trained faculty provisions. Services of Industry professionals are already being enlisted. The NEP compliant programs at the university have expanded the scope of internships. Thus, it now allows students to undertake internships under local craftsmen, artisans and professionals, in addition to</p>

	<p>industries. To offer vocational education in ODL/blended/on-campus modular modes to Learners Will be offered for the NEP 2020-compliant educational Programs. Towards this end, required applications will be moved to the concerned regulatory bodies to obtain approval to offer courses in ODL/blended/on-campus modular modes. Moreover, MoUs are being signed with identified Skill Sector Councils to offer vocational education. NSDC association to facilitate all this by creating a unified platform to manage learner enrolment (students and workers), skill mapping, and certification. The said platform would be part of the existing Marwadi University LMS in due course of time. Skilling courses are planned to be offered to students through online and/or distance mode Will be offered as part of the NEP 2020-compliant educational Programs. e) Describe any good practice/s of the institution pertaining to the Skill development in view of NEP 2020. Some of the good practices of Marwadi University are the setting up of such bodies as - University Skill Development Committee, Partnerships with multiple Skill sector councils to provide skilling courses, New Generation Innovation and Entrepreneurship Development Centre, IPR Cell, Student Start-Up and Innovation Policy, Marwadi University Centre for Innovation and Incubation Research, and Center For Family Business.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>a) Delineate the strategy and details regarding the integration of Indian Knowledge System (teaching in Indian Language, culture, etc.) into the curriculum using both offline and online courses. Both English and one Indian language (Gujarati/Hindi) will be used in the teaching of all courses. Gujarati and Hindi languages are offered as electives in BA Hons program. Translated courses by NPTEL, SWAYAM and their YouTube channel will be used as online course materials. The University will undertake translation of a few prominent online courses. Courses not available in these platforms will be offered in offline mode in the classrooms. An IKS Task Force will be set up at the University to recommend courses on Indian Knowledge System, pedagogy and assessment. The University will apply for funding to AICTE for the IKS Center Proposals Program. b) What are the institution's plans to train</p>

	<p>its faculties to provide classroom delivery in bilingual mode (English and vernacular)? Provide the details. Faculty Members will be trained to use the translated contents in the NPTEL and SWAYAM platforms such as PDF transcripts, E-books, subtitles below the videos, scrolling text below videos, and audio files. c) Provide the details of the degree courses taught in Indian languages and bilingually in the institution. The lecture component of the delivery of all the courses are bilingual (English/Hindi) at present. d) Describe the efforts of the institution to preserve and promote the following: i. Indian languages (Sanskrit, Pali, Prakrit and classical, tribal and endangered etc) Faculty of Arts will offer an Open Elective in Sanskrit Language from AY2023 ii. Indian ancient traditional knowledge Faculty of Physiotherapy will offer an Open/General Elective in Yoga from AY2023. iii. Indian arts All the cultural programs at the University include performances/events on Indian Arts. University collaborates with SPIC MACAY to bring legendary artists performing cultural programs at the campus. iv. Indian culture and traditions. All the cultural programs at the University include performances/events on Indian Culture and Traditions. e) Describe any good practice/s of the institution pertaining to the appropriate integration of the Indian knowledge system (teaching in Indian Language, culture, using online course) in view of NEP 2020. All Faculty Members re-explain difficult concepts in the local language. Marwadi University has a separate Dept of Performing Arts which trains both students and staff. Classical Kathak and all types of Indian dances are taught. Marwadi University holds a National Record of organizing an event on occasion of Hanuman Jayanti where in 837 students sang Hanuman Chalisa together in the same tune and same rhythm. Further details at <a href="https://www.marwadiuniversity.ac.in/life-at-campus/music-dance/">https://www.marwadiuniversity.ac.in/life-at-campus/music-dance/</a></p>
5. Focus on Outcome based education (OBE):	<p>a. Describe the institutional initiatives to transform its curriculum towards Outcome based education (OBE)? MU strives to achieve the outcome to educate students to achieve the Vision and core values of the University. All faculties are sensitized by internal and external experts in OBE guidelines and the design of syllabi. University's Vision and Mission; Department's Vision and Mission, Program</p>

Educational Objectives (PEO), Graduate Attributes, Program Outcomes (PO), Program Specific Outcomes (PSO), Course Syllabus and Evaluation Scheme, Course Objectives, and Course Outcomes (COs) are designed as per the guidelines of Outcome Based Education. All course syllabi clearly articulate Course Outcomes whereas teaching methodology and assessment address the methods to achieve Course Outcomes. The mapping of CO with PO; PSO is done through a matrix with justification and using Revised Bloom's Taxonomy. The attainment of CO is also calculated at the end of the course and revision in teaching methodology is done based on the attainment of COs. Feedback from all stakeholders and attainment of PO/PSO/GA are discussed and analysed at a different level, and corrective actions are taken to constantly improve the teaching-learning process and curriculum up to the date.

b. Explain the efforts made by the institution to capture the Outcome based education in teaching and learning practices. The university LMS captures attainments of COs at the end of the Semester through direct and indirect methods. Similarly, PO attainment is captured through the university LMS which is based on the articulation of the CO-PO matrix as well as feedback from stakeholders. Mapping of PEO with PO, Mapping of PO with Graduate Attributes, and Mapping of Course Outcomes with Programme Outcomes is also done through the LMS. The in-house designed LMS provides 360o support for teaching, learning, assessment, and record keeping.

c. Describe any good practice/s of the institution pertaining to Outcome based education (OBE) in view of NEP 2020 All evaluations use Bloom's Taxonomy. Faculty Members are trained in using outcome-based teaching and learning. The in-house designed LMS provides 360 supports for teaching, learning, assessment and record keeping. Marwadi University has implemented several good practices pertaining to Outcome-based Education (OBE) in line with the objectives of the National Education Policy (NEP) 2020. Some of these good practices are :

1. Clearly Defined Learning Outcomes:
2. Continuous Assessment:
3. Industry Collaboration:
4. Outcome Evaluation:

Overall, these good practices demonstrate Marwadi University's commitment to Outcome-based Education and the NEP 2020 objectives. By defining clear learning outcomes,

	<p>focusing on skill development, and regularly evaluating outcomes, Marwadi University is preparing its students for success in the rapidly changing world of work.</p>
<p>6. Distance education/online education:</p>	<p>a. Delineate the possibilities of offering vocational courses through ODL mode in the Institution. Marwadi University has the infrastructure to offer Vocational courses in Online mode, which will be started in AY2023. Offering the same in Distance Learning mode could be taken up after complying with the applicable statutory provisions. b. Describe about the development and use of technological tools for teaching learning activities. Provide the details about the institutional efforts towards blended learning. Marwadi University has made significant efforts towards the development and use of technological tools for teaching and learning activities, especially in the context of blended learning. Blended learning is a model that combines traditional face-to-face instruction with online and digital resources to enhance the learning experience. Here are some of the institutional efforts towards blended learning at Marwadi University: 1. Learning Management System(LMS): Marwadi University has implemented a comprehensive Learning Management System (LMS) that provides a platform for the delivery of online courses and resources. The LMS is designed to be user-friendly and accessible to students and faculty, with features such as discussion forums, online quizzes, and multimedia content. 2. Virtual Labs: Marwadi University has developed virtual labs that allow students to access and experiment with laboratory equipment and procedures remotely. These labs provide students with hands-on experience and allow for more flexible scheduling of lab sessions. 3. Online Lectures: Marwadi University has created a library of online lectures that can be accessed by students at any time. These lectures are designed to be engaging and interactive, incorporating multimedia elements and interactive quizzes. 4. Digital Assessments: Marwadi University has implemented digital assessment tools that allow for the online submission of assignments and assessments. These tools facilitate the grading process and provide students with more timely feedback. 5. Mobile Learning: Marwadi University has developed mobile learning applications that allow</p>



students to access course materials and resources from their mobile devices. These applications provide students with greater flexibility and convenience in accessing course materials. Overall, these institutional efforts towards blended learning demonstrate Marwadi University's commitment to using technology to enhance the teaching and learning experience. By providing access to a range of technological tools and resources, Marwadi University is able to offer students a more flexible and engaging learning experience that is tailored to their individual needs and preferences. In-house developed LMS for complete delivery of learning and assessment, Studio for online/recording of online classes, Web portal and Android app for delivery of online certificate courses (Web Portal: <http://www.marwaditechnologies.com/OnlineCourses/>, Mobile App: <https://play.google.com/store/apps/details?id=com.mu.learning>). Blended learning uses Learning resources, tests, quizzes and assignments- all shared with students through LMS, Canvas, and Google Classroom. Class time is used for higher-order learning activities such as flipped classroom, discussions, and group projects. c. Describe any good practice/s of the institution pertaining to Distance education / online education in view of NEP 2020. The University plans to use technology extensively for the Distance education / online education programmes once they are launched after statutory approvals.

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Electoral Literacy Club has been set up in the University where faculty coordinator and student coordinators are working towards Electoral literacy. This club plays important role in organizing voter registration campaigns, voter's pledge campaign, sharing information about various initiatives of the Election Commission of India.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Marwadi University has appointed Prof. Kishan Savaliya as the faculty coordinator for the ELC and have appointed two boys and two girls as the student co-ordinators for the ELC. Student Mr. Umiya Rathod, Mr. Vaibhav Soni, Ms. Kushi Gokani and

	Mr. Ruturaj Parmar have attended various meetings organized by district administration along with faculty coordinator to organize programs helping election commission of India and have organized voter registration campaigns along with student teams.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	Marwadi University organized new voter registration camp in coordination with district administration at Marwadi University and shared information in advance with all students who became eligible for voting. This registration camp helped students to get their voter id staying at campus and at the same time created awareness about its importance. Promotion of ethical voting through voter's pledge was organized at the same time in every class of the University. All students took a pledge in the first lecture on Monday, 28th November 2022, to vote in election fearlessly and without being influenced by considerations of religion, race, caste, community, language or any other inducement. Students and staff members celebrated 'Matdaanka Mahaparva' through various awareness activities related to voting.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Marwadi University participated in Election Commission of India's (ECI) National voter Awareness Contest under its flagship voter education programme 'Systematic Voter's Education and Electoral Participation (SVEEP) that has focused on inclusion strategies and action plans for enhancing participation from all categories of voters under ECI's premise of 'No Voter to be Left Behind'. It was suggested to make a reel on the song with relevant hashtags like #MainBharatHoon #ECISong #IVoteforSure and share it on your social media platforms and join us in our mission of voter education to fulfil our motto of 'No Voter to be Left Behind.' Marwadi University student created one RAP song on power of vote and won second runner up prize at National level. Award was given by Hon'ble governor of Gujarat with cash prize.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	There are students who becomes eligible at regular period of the time for voting and University plays important role in all election of the state and nation. Regular programs by inviting district administration for voter registration, voter's pledge in every class as well as participation of ELC members in district administration meetings creates positive environment

of voting. University announces voter registration campaigns in all first year classes as there are young students in those classes and they take benefit of it.

## Extended Profile

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### 1 Program

#### 1.1

##### Number of programs offered year-wise for last five years

2021-22	2020-21	2019-20	2018-19	2017-18
30	29	28	26	19
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 1.2

##### Number of departments offering academic programmes

Response: 7

### 2 Students

#### 2.1

##### Number of students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
5918	4420	3772	2985	1852
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

##### Number of outgoing / final year students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1284	1097	926	467	137
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.3****Number of students appeared in the University examination year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
5751	4321	3658	2866	1766
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.4****Number of revaluation applications year-wise during the last 5 years**

2021-22	2020-21	2019-20	2018-19	2017-18
11	9	8	9	10

**3 Teachers****3.1****Number of courses in all programs year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1284	995	851	583	323
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**3.2****Number of full time teachers year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
342	274	229	177	140
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**3.3**

**Number of sanctioned posts year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
342	274	229	177	140
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4 Institution****4.1****Number of eligible applications received for admissions to all the programs year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
3482	2155	2224	1959	2008
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

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

2021-22	2020-21	2019-20	2018-19	2017-18
1338	888	747	696	526
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4.3****Total number of classrooms and seminar halls****Response: 145****4.4****Total number of computers in the campus for academic purpose****Response: 2175**

**4.5****Total Expenditure excluding salary year-wise during last five years ( INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
5544.06	3498.59	4130.78	3513.28	2902.9

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - 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 is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.**

**Response:**

The Marwadi University follows outcome-based education, a strategy implemented since its establishment. The constituent institutes/departments of the university create or revise their program curriculum or syllabi through a systematic approach based on the feedback received from different stakeholders viz. students, alumni, employers, industry experts, peers from other academic institutions etc. and in the line of vision and mission of the university. Curriculum design and development are a dynamic process and therefore, all academic programs offered by the University are reviewed on a semester/yearly basis, with due emphasis on developing a curriculum that meets the local, regional, national and global needs.

The Institute/department formulates its PSOs and COs based on POs, followed by framing the outline of the curriculum. The norms and standards set by various regulatory bodies – including the University Grants Commission, All India Council for Technical Education, Pharmacy Council of India, Bar Council of India, Central Council of Physiotherapy, etc., are followed while preparing curriculum. The opinion of the stakeholders, especially employers representing different regions and alumni is sought during all stages of designing and development of curriculum as per the current employability requirements. Inputs received from prominent national institutions are also incorporated in the design and development of curriculum. Proposed curriculum planned according to the POs and PSOs and the syllabi of various courses are framed.

The curriculum and syllabi are submitted to the Board of Studies (BOS) for rigorous deliberations. Any recommendations and modifications suggested by BOS members are incorporated and sent to the Faculty Board and then forwarded to Academic council for final approval. After the approval from Academic Council, the curriculum and syllabi are implemented and displayed on the website.

The objective is to continuously update the curriculum focusing on employability, entrepreneurship, and skills development based on professional and industry needs. The curriculum or syllabi revision also enables students in developing higher-order thinking and problem-solving abilities and are sufficiently trained in the latest industry-relevant technologies.

The curriculum offered at the university is built on the concept of 360 Degree Education which focuses on the knowledge, skills and personal development of the students. The curriculum design incorporates courses having an emphasis on teamwork, communication skills, and leadership qualities as well cultivation of social responsibility, character and virtues in students. Creating or modifying the curriculum periodically by the constituent institutes of the University ensures that students are acquiring appropriate knowledge and technical skills and are industry-ready.

The university is committed to benchmarking programs with reputed national and international academic institutions, integrating interdisciplinary approaches to provide comprehensive learning of technological



aspects, human values, gender and environmental issues in the national and global context.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

**Response:** 100

#### 1.1.2.1 How many Programmes were revised out of total number of Programmes offered during the last five years

Response: 29

#### 1.1.2.2 Number of all Programmes offered by the institution during the last five years.

Response: 29

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Details of Programme syllabus revision in last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

**Response:** 86.95

#### 1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1081	840	729	525	292

<b>File Description</b>	<b>Document</b>
Programme/ Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 1.2 Academic Flexibility

<p><b>1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</b></p> <p><b>Response:</b> 80.76</p>	
<p><b>1.2.1.1 How many new courses were introduced within the last five years.</b></p> <p><b>Response:</b> 1037</p>	
<p><b>1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.</b></p> <p><b>Response:</b> 1284</p>	
<b>File Description</b>	<b>Document</b>
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
<p><b>1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</b></p> <p><b>Response:</b> 90</p>	
<p><b>1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.</b></p> <p><b>Response:</b> 27</p>	

File Description	Document
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

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

#### Response:

Apart from providing a competent curriculum to produce skilled and job-ready technocrats, Marwadi University, being socially responsible, also focuses on inculcating virtues like gender equality, societal values, professional standards, and environmental sustainability. Sensitizing students to such issues contribute to their holistic development and transform them into responsible citizens. Therefore, the university has integrated nearly 12 % of all courses relevant to these cross-cutting issues into the curricula.

Curriculum offering courses related to Gender sensitization makes the students more aware of the issues surrounding gender equality. Such courses address the issues of attitudes and beliefs toward challenging realities of both sexes and help students to understand the importance of gender equality. Programs offered at Marwadi University are embedded with such courses to create a sense of responsibility towards gender issues. Courses such as ‘Organizational Behaviour’, ‘Compensation Management’, ‘Management of Industrial Relations and Labour Legislations’ and ‘Managerial Psychology’ offered by the Faculty of Management Studies emphasize gender-wise differences in human behavior in the workplace. Through the NSS programs, the students and faculty raise awareness of women's health and hygiene, gender discrimination, and patriarchal oppression.

Program-wise curriculum also incorporates foundation courses on ‘Environmental Science’ which equip students with a broad understanding of current environmental issues and challenges on a local, national and global scale and emerging needs of sustainable development. Such courses encompass the need for preservation and protection of the environment, natural resources, biodiversity, pollution, alternative energy sources, as well as causes and impacts of human behavior on the environment. B. Tech in Chemical also includes Environmental Management in Chemical Industries aims to reduce environmental issues by providing engineering solutions. Environmental Law offered in BA LLB teaches legal issues pertaining to the environment and their remedies.

Values constitute an important characteristic of self-concept and serve as supervisory principles for a person. They have many positive characteristics that create bonds of humanity between people and thus have value for all human beings. Along with skills development, the university is dedicated to inculcating the desirable character-building and moral virtues among the students. The curriculum incorporates the courses such as ‘Sociology’ and ‘Psychology’ that focus on developing a mindset of respectful behavior and tolerance towards socially, culturally and economically diverse people as ideal human values.

The workplace environment is undergoing constant and rapid change as a result of technological advancements, rising competition and generational differences. Learning the principles of professional ethics enables students to nurture enduring relationships that are respectful and go beyond professional interactions. University is committed to instill ethics in the students and preparing them to behave appropriately in the professional environment. Curricula across the programs cater to this need and various courses on 'Professional Ethics' are offered by the constituent institutes of Marwadi University. The NSS Unit of Marwadi University along with Faculty of Pharmacy and Faculty of Physiotherapy has organized health camp for the nearby villages. The objective is to sensitize paramedical students for discharging community services, make them aware of their social responsibilities and instill professional values.

<b>File Description</b>	<b>Document</b>
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	<a href="#">View Document</a>

### **1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.**

**Response:** 118

#### **1.3.2.1 How many new value-added courses are added within the last five years.**

Response: 118

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Brochure or any other document relating to value added courses	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### **1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.**

**Response:** 75.36

#### **1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
5757	3395	2973	1957	1080

**1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).****Response:** 54.17**1.3.4.1 Number of students undertaking field projects or research projects or internships.**

Response: 3206

<b>File Description</b>	<b>Document</b>
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**1.4 Feedback System****1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni****Response:** A. All 4 of the above

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>

**1.4.2 Feedback processes of the institution may be classified as follows:****Response:** A. Feedback collected, analysed and action taken and feedback available on website

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Demand Ratio (Average of last five years)

**Response:** 1.43

##### 2.1.1.1 Number of seats available year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2704	1794	1509	1523	1062

#### File Description

#### Document

Demand Ratio (Average of Last five years) based on Data Template upload the document

[View Document](#)

• Any additional information

[View Document](#)

#### 2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years (Excluding Supernumerary Seats)

**Response:** 42.92

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

2021-22	2020-21	2019-20	2018-19	2017-18
541	337	344	298	249

#### File Description

#### Document

Average percentage of seats filled against seats reserved (Data Template)

[View Document](#)

Any additional information

[View Document](#)

### 2.2 Catering to Student Diversity

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

**Response:**

Students at Marwadi University are admitted through various state, national, international level examinations such as GUJCET, CMAT, CLAT, JEE, NEET, GATE, PRAGATI etc. MU students are from various states of India and 51 other countries. The university has diversity among the caliber of the students admitted due to variation in social, economical and cultural background. The knowledge, skill, and aptitude of the students are identified using academic performance and class participation. Classification of students in the form of premium learner (P), Average learner (A) and challenged learner (C) helps to understand their learning fluency and challenges. Remedial coaching and extra work is assigned to slow learners. Topics beyond syllabus, advanced experiments and participation in various programs and competitions are offered to fast learners. Artificial Intelligence driven cards are available in faculty, mentor and class coordinator login to keep routine track of students lacking in attendance and academic performance. Students are assigned mentors to guide and motivate them in all professional and personal domains.

Advanced learners are guided to enroll for NPTEL and MOOC courses. University has tied up with Coursera to satisfy higher level learning needs. They are encouraged to participate in various professional activities.

The university has E-cell, which organizes activities for entrepreneurship awareness and skill development programs, where advanced learners are encouraged to test their innovative business ideas and encouraged to participate in different co-curricular activities like MU-Fest, Robocon, SAE BAJA, Moot Court, Quiz competitions, events etc. They are supported by faculties and provided financial resources and technical support. University has advanced

laboratories like Robotics lab, Automation Lab in collaboration with Bosch Rexroth, MUJCAL foundry laboratory, finishing school etc. to offer programs matching with Industry requirements. University has strong tie up with various professional societies like CSI, ASME, IEEE, IET, IUCEE, ACU. MU is regularly organizing symposiums and conferences at national and international level.

There are various social clubs, technical clubs, and academic clubs to boost the knowledge and skills. The industry institute interaction is enhanced by organizing expert talks, workshops, field visits, industrial internships and projects.

Slow learners are handled with empathy and provided requisite support. They are given extra support and motivation for their academic advancement. Mentor teachers, class counselors and special counselors regularly counsel slow learners. Attendance is updated in their portal every day and is available to students and parents. Class coordinators send letters at regular intervals to the parents whose wards are not regular in academic activities.

University has set up a unique vertical in the form of a learning and development cell for soft skill updation which regularly organizes group discussion, debate, personal interviews, corner workshops, special interest group programs, bridge courses, and learning foreign languages. Students from the vernacular medium are offered classes to improve their communication skills. English day is celebrated by university during the 1st week of every month to promote awareness and spread of English on campus.

File Description	Document
Upload Any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 17.3

File Description	Document
Any additional information	<a href="#">View Document</a>

## 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

**Response:**

Marwadi University has implemented student centered learning and outcome-based learning. Majority of the teachers have undergone Level-1, Level-2 and Level - 3 training designed as inhouse FDP. University is a consortium member of Indo- Universal consortium of engineering education (IUCEE) which offers various programs for innovation in teaching and learning. Many faculties have undergone IIEECP program which deals with active learning, learning with peers, and project based learning techniques for becoming a lifelong learner. Some of the dominant teaching learning methods used to encourage participative, problem solving and experiential learning at Marwadi University are,

1. Workshop
2. Seminars
3. Virtual laboratories,
4. Mooc courses
5. Collaborative learning
6. Project based/problem-based learning
7. Flip classes
8. Think, Pair and share
9. Field visits
10. Interaction with industry experts
11. Simulations
12. Role plays
13. Case studies
14. Group discussion
15. Graded discussion
16. Journal review
17. Open book test
18. Poster presentation etc



Assessment is the key for learning. Students are informed about expectations from them via rubrics on day-1 presentation. Student's performance in each course, in general, is evaluated based on in-semester continuous assessment, internal assessment and end-semester examination.

An in-semester assessment (known as comprehensive assessment) is spread through the duration of course and is done by the teacher with a weightage of 20%. The assessment is done through various means including

1. Attendance
2. Tutorial
3. Assignment
4. Surprise test
5. Class test
6. MCQ based quizzes
7. Presentation
8. Projects
9. Field visits
10. Seminars
11. Group discussion/activities
12. Open book test

Many teachers are using ICT tools like Canvas, Google Classroom etc. for blended learning. During Covid-19 all classes and laboratories were conducted using online sharing platforms like Microsoft teams, zoom meeting, google meet, Webex etc. The videos of recording were shared to students via the departmental you tube channel.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### **2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.**

#### **Response:**

All classes in Marwadi University are multimedia enabled with internet and audio connectivities to bring the simulation, animation, video, presentations etc. to the class to satisfy visual and auditory learning styles. Faculty members are using various ICT tools and techniques to facilitate student learning. Students are encouraged to visit reference websites, to watch online videos, to refer to research and technical resources. To enhance learning students are encouraged to learn advanced aspects through online mooc courses offered by NPTEL, Coursera, EDX, Future learn etc, and self-learning through spoken tutorials, to get kinesthetic flavor through virtual labs. Marwadi University has partnered with COURSERA to provide access to 4500+ high quality job relevant courses and 1500+ guided projects to supplement on-campus learning to its students and faculties. The courses has helped to build critical skills for future jobs like AI

and Machine Learning Specialists, Data Analysts, Digital Marketing etc. The partnership has enhanced student employability, incorporating digital skill programs into the university curriculum.

University has developed augmented reality and virtual reality-based laboratory setups for few courses which can be operated from any location and at any time. Teachers are also using online tools to conduct quizzes, short surveys and assignment submission to track the progress of learning. Many teachers are using CANVAS, indigenous LMS, Google classroom, Piazza etc in their courses. Students and faculties have access to the library resources through Virtual Private Network (VPN) through remote access facilities. University library has all NPTEL videos and e-resources which can be accessed through intranet.

The institute has developed indigenous learning management system and mobile app for sharing academic and exam schedules, sharing learning resources, assessment of mid semester and end term evaluation, collaborative learning, conducting quizzes, surveys etc.

During Covid-19 all classes and laboratories were conducted using online sharing platforms like Microsoft teams, zoom meeting, google meet, Webex etc. The recorded videos of conducted sessions were shared by a YouTube channel with the students. For conducting quizzes google forms were used. Faculties had used online simulation tools, virtual labs and recorded sessions of lab performance.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide link for webpage describing the " LMS/ Academic management system"	<a href="#">View Document</a>

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

**Response:** 17:1

#### 2.3.3.1 Number of mentors ?????????????? ???????

**Response:** 342

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	<a href="#">View Document</a>
mentor/mentee ratio	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

**Response: 100**

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. year-wise during the last five years

**Response: 53.37**

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

2021-22	2020-21	2019-20	2018-19	2017-18
144	134	117	107	90

File Description	Document
List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response: 11.35**

##### 2.4.3.1 Total experience of full-time teachers

Response: 3881.9

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years****Response:** 20.22**2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
16	11	8	4	8

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters (scanned or soft copy)	<a href="#">View Document</a>

**2.5 Evaluation Process and Reforms****2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years****Response:** 5.4**2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
4.17	3.5	3.6	10.75	5

File Description	Document
List of Programmes and date of last semester and date of declaration of results	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years****Response:** 0.3

**2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
11	9	8	9	10

<b>File Description</b>	<b>Document</b>
Number of complaints and total number of students appeared year wise	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.5.3 IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution****Response:**

Marwadi University has developed an indigenous ERP system from the day of inception through website and mobile application for IOS and android to provide trustworthy, unbiased and transparent processes. The customized version of Institute developed ERP system is shared to other eminent institutes like National Forensic Science University (Gandhinagar), Dr Subhash University (Junagadh), PGVCL based on their demand.

All phases of examination- registration of students, appointment of paper setter/examiners, paper setting, hall ticket generation and issue of it to students, assessment, result declaration and post processing are fully automated. At MU, the faculty will enter rubrics at the beginning of semester, will provide continuous evaluation dates, and will enter marks within the deadline set. All answer books written by students are scanned and are available to the examiner in soft form in mobile application and website for assessment.

Examination system has sub modules available for

- 1.Preprocess: examination time table, assign faculty for paper setting, upload question paper, question paper selection, block arrangement, QR code generation, attendance sheet, supervisor and email to supervisor
- 2.Post process: Absent students, scanning of answer sheet, answer sheet assessment order, result generation, and result summary.
- 3.Reports: date wise attendance report, branch and semester wise block list summary, date wise supervisor duty list, employee wise Junior supervisor duty schedule, answer sheet distribution report, answer sheet check/assessment status report.

The automation has helped in achieving transparency, accuracy and improvement of efficiency of the examination system. All details are preserved and made available to all stakeholders for analysis and action.

During Covid-19, the Institute has conducted PROCTORED online examinations in the form of MCQ and descriptive examinations. Students have appeared for examinations from their respective places using mobile phones. Proctoring module was created to prevent mischief like screen sharing, multiple face detection, no face detection, minimizing screen etc.

Continuous examination system: Most courses at Marwadi University have continuous evaluation and end-semester examinations. The weightage of continuous examination in

courses with theory and practical is 60% in the total academic performance of the student. However, certain courses like Design /project /internship have flexibility of 100% weightage for continuous evaluation. Faculty has full flexibility to decide criteria and weightage for evaluation. Open book examination, take home examination, project /problem-based evaluation has helped to achieve higher order learning.

Relative Grading and Absolute Grading: University has implemented relative grading system from 2021 for subjects having student strength more than 25.

Remedial and Makeup Examinations: The University conducts a remedial examination at the end of each term for students failing in various subjects. Makeup examination is permitted for the student who fails to appear in the examination due to extraordinary reasons/circumstances, such as self-hospitalization and medical ground.

Transparency: Students can access their assessed answer books of all subjects throughout their course duration to ensure transparency in the examination process. They can also apply for rechecking/reassessment of answer books after the exam from their login if they are not satisfied by the assessment done. Model answer books prepared by faculties are also shown to the students via their login to supplement their understanding.

File Description	Document
Year wise number of applications, students and revaluation cases	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### 2.5.4 Status of automation of Examination division along with approved Examination Manual

**Response:** 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	<a href="#">View Document</a>
Current Manual of examination automation system	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual reports of examination including the present status of automation	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### 2.6.1 The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

#### Response:

Outcome Based Education (OBE) has been convoluted in teaching and learning processes of Marwadi University since its inception. The University uses Revised Bloom's Taxonomy to develop Course outcomes. The taxonomy has six levels namely Remember, Understand, Apply (Considered as lower order thinking skills), Analyze, Evaluate and Create (Higher order thinking Skills). Every regulation of the syllabus has a set of 4-6 course outcomes which are mapped with Bloom's taxonomy.

University has developed Vision, Mission, values and Graduate Attributes. All courses offered by University are approved by academic council and publicized through various channels including brochure and website. Each program of the University has Program Outcomes (PO) and Program Specific Outcomes (PSO) derived by rigorous process by consulting with various stakeholders. The course outcomes are discussed in the department meetings and approved by Board of Studies, faculty board, academic council etc. They are revised from time to time as per the feedback received from various internal and external stakeholders.

The course outcomes and program outcomes are displayed in the e-course file for each subject. Faculties are discussing course outcomes during the introductory session held on day-1.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### 2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

**Response:**

All courses will have 4 to 6 course outcomes targeting various levels of learning and mapped with program outcomes for level 1 (lightly mapping), level 2 (Moderately mapping) and level 3 (highly mapping). All Course outcome attainment is calculated using Direct assessment (70%) and indirect assessment (30%). Direct attainment is calculated from Mid Semester, Practical/Internal, Practical/Viva and final examination.

An in-semester continuous assessment (also known as comprehensive assessment) (CSE) is spread through the duration of course and is done by the teacher teaching the course with a weightage of 20%. The assessment is done through various means including:

1. Attendance	8. Projects
2. Tutorials	9. Field visits
3. Assignment	10. Seminars
4. Surprise Test	11. Group discussions/activities etc.
5. Class Test	12. Open Book Test
6. MCQ based quizzes	13. Take Home Exam
7. Presentations	

An in-semester internal assessment (I.A.) is spread through the duration of course and is done by the teacher teaching the course with a weightage of 30%. The assessment is done through various means including:

1. Written tests (Mid Semester Exam)	6. Field visits
2. Class Test	7. Seminars
3. MCQ based quizzes	8. Group discussions/activities
4. Presentations	9. Open Book Exam
5. Projects	10. Take Home Exam

All questions of internal and end semester examinations question papers are mapped to course outcome and taxonomy level. Assessment for practical components is done through term work submission and viva.

**Component of indirect attainment for course outcome.**



Indirect attainment of course outcome is assessed by conducting students' surveys at the end of each course.

Course attainment level is set as decided by the Department and approved by Board of studies for assessing that the level whether it is attained or not.

### **Attainment of Program outcome / Program Specific outcome:**

Program outcomes will be attained through direct and indirect methods.

- Direct Attainment: All the courses which are mapped to a particular PO/PSO will be considered. Then the direct attainment value will be calculated based on the following Formula:

Direct PO/PSO Attainment= (sum of average attainment level of the course outcomes mapped to PO/PSO\*mapping level) / (Total no of course in which PO is mapped).

- Indirect Attainment: In this method, the feedback of students, parents, alumni and employers on the framed questionnaires is considered. Different questions in feedback form are mapped with PO/PSO. Ratings provided by stakeholder are directly used for PO mapping.

PO Attainment = 70% (Attainment level in direct assessment) + 30% (Attainment level

through indirect methods). The target level set will indicate the current target. The PO attainment is measured and the results are obtained. Based on the results of attainment, the corrective measures/remedial actions are taken.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### **2.6.3 Pass Percentage of students(Data for the latest completed academic year)**

**Response:** 91.33

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 1264

2.6.3.2 Total number of final year students who appeared for the examination conducted by the

<b>Institution.</b>	
Response: 1384	
<b>File Description</b>	<b>Document</b>
Upload list of Programmes and number of students passed and appeared in the final year examination	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

<p><b>2.7.1 Online student satisfaction survey regarding teaching learning process</b></p> <p><b>Response: 3.39</b></p>
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## Criterion 3 - 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**

**Response:**

To achieve the vision through a committed mission, Marwadi University has formulated research policies based on three motives: creating and promoting challenging novel research fields, creating a sustainable and productive ambience, and motivating staff and students with encouraging incentives comprised of in-house research seed grant support. A dedicated entity Research Office headed by Dean Research is engaged in framing key research policies and procedures which are adhered to by all staff, research students/scholars, and unless otherwise stated all visiting academicians and research personnel. The research laboratories or infrastructure is set up and updated from time to time-based on the requirement of researchers. For example, PARAM SHAVAK, a Supercomputing facility in collaboration with GUJCOST and CDAC has been developed. Similarly, High-Performance Liquid Chromatography(HPLC), and Real-Time PCR machines are also procured for research purposes.

The policies related to the promotion of research initiatives and facilities are listed below:

- Research and Development Policy
- Research Promotion/Incentive Policy
- Consultancy Policy
- Plagiarism and Academic Integrity Policy
- PhD fee subsidy policy

These policies are circulated among stakeholders through the institute website, ERP system, and e-mail. In addition to this, employee awareness programs are also conducted by the Human Resource Department, inviting sessions by the Dean of Research to introduce new employees to the research policies.

There are various activities taken up by the Marwadi University fraternity in different domains pertaining to the supervision of research scholars under the doctoral programs, applying and working for funded research projects, publications in peer-reviewed journals, books, and book chapters, patents, showcasing the research work in various national and international conferences, seminars and workshops. The University also provides funds in the form of seed grants, financial support for the grant of patents, and travel grants for presenting research papers at international and national conferences of repute. Apart from this, research incentives are also provided to encourage and appreciate the efforts. The Plagiarism and Academic Integrity Policy which has been practised by the University since 2018, is used to establish a benchmark for all kinds of publications.

In order to encourage research culture in the university and support faculties in the upgradation of their qualifications, the university has framed a PhD fee subsidy policy. The policy is applicable to all full-time faculties of the university who are pursuing PhD at Marwadi University.

Faculty members are encouraged to grow their network in the industries as well as the research organizations with the provisions made in the Faculty Industry Immersion Program. They can explore

opportunities for collaborative research and consultancy works under this program. MU has also collaborated with universities and research organizations at the national and international levels for collaborative research and faculty exchange programs. The university also provides financial support for professional membership, which helps in growing networks and capacity building.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL of Policy document on promotion of research uploaded on website	<a href="#">View Document</a>

### 3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

**Response:** 56.14

#### 3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
150.74	61.82	30.43	15.60	22.09

File Description	Document
Minutes of the relevant bodies of the University	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

**Response:** 14.03

#### 3.1.3.1 The number of teachers who received national / international fellowship / financial support

by various agencies for advanced studies / research year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
6	34	78	4	41

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the award letters of the teachers	<a href="#">View Document</a>

**3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.**

**Response:** 96

**3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
26	20	23	20	7

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.1.5 Institution has the following facilities to support research**

1. Central Instrumentation Centre
2. Animal House/Green House
3. Museum
4. Media laboratory/Studios
5. Business Lab
6. Research/Statistical Databases
7. Mootcourt
8. Theatre
9. Art Gallery
10. Any other facility to support research

**Response:** A. 4 or more of the above

File Description	Document
Upload the list of facilities provided by the university and their year of establishment	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link of videos and geotagged photographs	<a href="#">View Document</a>

### 3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)

Response: 57.14

#### 3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.

Response: 4

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-version of departmental recognition award letters	<a href="#">View Document</a>

## 3.2 Resource Mobilization for Research

### 3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs).

Response: 1497.08

#### 3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
199.62	452.09	444.87	363.17	37.33

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by non-government	<a href="#">View Document</a>

**3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).****Response:** 889.54**3.2.2.1 Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).**

2021-22	2020-21	2019-20	2018-19	2017-18
255.91	215.97	142.46	136.70	138.50

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by government	<a href="#">View Document</a>

**3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years****Response:** 1.91**3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years.**

Response: 92

**3.2.3.2 Number of full time teachers worked in the institution year-wise during the last five years..**

Response: 241

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Paste Link for the funding agency website	<a href="#">View Document</a>

**3.3 Innovation Ecosystem****3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.**

**Response:**

Marwadi University received an **"Excellent"** band in the **Atal Ranking of Institutions on Innovation Achievements (ARIIA) in 2021** making it one of the top 20 private Universities in India to achieve this ranking in innovation with reference to its achievements in developing ecosystem for innovation and start-up.

Marwadi University has 5000 sq feet dedicated incubation centre along with all prototyping facilities in its main academic building, Marwadi University Centre for Innovation and Incubation Research (**MUIIR**) since its inception. MUIIR mainly focuses on Reinventing Conducive Ecosystem for NextGen Entrepreneurs through various core activities including research, innovation, venturing, entrepreneurship, and training by organizing various events including sensitization programs, capacity-building programs, industry-startup interaction, IPR awareness programs, etc. MUIIR specifically works on various identified thrust areas including Manufacturing, Healthcare, Nonconventional Energy Generation and Utilisation, and Food & Agricultural looking toward regional and national needs. MUIIR has a formal collaboration with NewGEN IEDC and SSIP-Government of Gujarat. MUIIR has prepared IPR policy and follows policies related to startups, Nodal centres, purchasing, etc. set forth by Student Startup Innovation Policy (SSIP) formed by the Government of Gujarat. NewGen IEDC scheme is a Department of Science and Technology (DST), Government of India scheme supporting innovations and new ideas.

Specific sessions in collaboration with Dr. Anil Patel (a distinguished faculty-USA) are arranged to promote creativity, problem-solving approach, and innovation among students and the same has been introduced to second-year engineering students of the university. A number of faculties were also trained to teach this course. Women's entrepreneurship by establishing wonder women cells that mainly focus on promoting entrepreneurship-related activities for women. It is initiated by conducting sensitization programs to create awareness among women for setting up an entrepreneurship mindset. This is followed by inviting women experts from various domains to discuss various opportunities available in different domains. It is equally important to possess values of life during growth as an individual. Specific sessions for students, as well as faculties on A Dialogue in Objective Silence (ADIOS), were organized to enhance the mental strength of an individual. MUIIR has also organized hands-on workshops on Idea to Reality (I2R) for school kids to promote the fundamentals of creativity and innovation to the young minds of kids. Young school kids have enthusiastically participated and transformed different ideas into reality. MUIIR emphasizes promoting Research, Innovation, Venturing, and Entrepreneurship.

Additionally, the University has a Center for Entrepreneurship and Family business which has been initiated to nurture students with family business backgrounds and prepare them as "family business ready". The core idea of the centre is to help students solve their family business challenges while they are studying, enabling them to develop a career aspiration to build and grow their family businesses. Saurashtra region has many family-owned businesses and a big number of students having family-owned businesses are taking benefit of the Center for Entrepreneurship and Family Businesses.

Recently University has successfully negotiated a few technology transfers with national-level institutes and top multi-national organizations. These technology transfers will encourage innovators at the incubation centre.



File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

**Response:** 241

#### 3.3.2.1 Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
66	33	63	44	35

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

**Response:** 193

#### 3.3.3.1 Total number of awards / recognitions received for *research* / innovations won by institution / teachers / research scholars / students year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
61	34	38	36	24

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of award letters	<a href="#">View Document</a>

## 3.4 Research Publications and Awards

**3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee**

**Response:** A. All of the above

File Description	Document
Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website	<a href="#">View Document</a>

**3.4.2 The institution provides incentives to teachers who receive state, national and international recognitions/awards 1. Commendation and monetary incentive at a University function 2. Commendation and medal at a University function 3. Certificate of honor 4. Announcement in the Newsletter / website**

**Response:** A.. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of the letters of awards	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.3 Number of Patents published / awarded during the last five years.**

**Response:** 59

**3.4.3.1 Total number of Patents published / awarded year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
31	9	5	4	10

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.4 Number of Ph.D's awarded per teacher during the last five years.**

**Response:** 0.17

**3.4.4.1 How many Ph.D's are awarded within last five years.**

Response: 17

**3.4.4.2 Number of teachers recognized as guides during the last five years**

Response: 102

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL to the research page on HEI web site	<a href="#">View Document</a>

**3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the last five years**

**Response:** 1.51

**3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
98	89	64	63	38

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

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

**Response:** 1.32

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

2021-22	2020-21	2019-20	2018-19	2017-18
77	72	82	51	24

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4.7 E-content is developed by teachers :

1. For e-PG-Pathshala
2. For CEC (Under Graduate)
3. For SWAYAM
4. For other MOOCs platform
5. Any other Government Initiatives
6. For Institutional LMS

**Response:** B. Any 4 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Give links or upload document of e-content developed	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed

**Response:** 7.28

File Description	Document
Bibliometrics of the publications during the last five years	<a href="#">View Document</a>

### 3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

**Response:** 25.5

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View Document</a>

## 3.5 Consultancy

### 3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy.

#### Response:

Marwadi University is having well-established Testing & Consultancy Cell through which the expertise and facilities of the university are utilized for the technological, industrial, individual, and social development of the society. A well-defined policy is prepared by the university categorically for consultancy, testing, special purpose training, and other activities. Revenue generated from such assignments is shared with faculties, officials, staff members, and institution as per well-define policy after deducting all actual expenses.

University has developed the required state-of-the-art facility along with required recognition and accreditation from the respective authorities like GPCB, R&B, and NABL to provide professional services. Faculties involved in such activities are motivated by providing required instrumental & infrastructural facilities as well as on-duty leaves if they require to visit on field or industry. The Faculty and Institutions must keep abreast of the latest activities and developments. This can only be achieved with opportunities for the faculty members who involve in Professional Activities.

The contact with the profession and industry enriches the experience and knowledge of the faculty members in the professional spheres that upgrade the level of quality of teaching, training, and research programs. One of the objectives of the cell is that the additional knowledge and experience so gained gets transferred to the students. A large number of industries and agencies have benefited from consultancy, testing, and training services offered by the faculty of the University.

File Description	Document
Upload soft copy of the Consultancy Policy	<a href="#">View Document</a>
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste URL of the consultancy policy document	<a href="#">View Document</a>

### 3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

**Response:** 357.86

#### 3.5.2.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
45.77	84.12	94.82	102.02	31.13

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts indicating the revenue generated through consultancy	<a href="#">View Document</a>

### 3.6 Extension Activities

#### 3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.

##### Response:

Marwadi University strongly believes in the need for the holistic development of students and accordingly, the institution is putting forth consistent efforts in directing the students' energy towards the positive side by addressing the real-life issues of the common man, and the society at large. The University aims to produce creative, responsible, and informed professionals through extension services. Students are involved in purposeful extension activities such as -

**Digital Payment Awareness Campaign:** In 2017 upon the declaration of demonetization in India, 2000 plus students of Marwadi University started a week-long campaign to create awareness and teach digital payment to thousands of citizens of Rajkot district. Technologically advanced young students met small shop owners and vegetable vendors to enrol them for digital payment and made 1 Re transfer to start exploring the potential of digital payment. Today, India has emerged as the top country with digital payments and MU students are part of this revolution.

**Rajkot Smart City for You:** In 2018, Rajkot was shortlisted as one of the 100 Smart Cities in India. 2000+ Marwadi University students met 20,000+ citizens making them aware of the benefits of a smart city and asking them what changes they want to see in their 'Smart City'. Thousands of responses were collected and shared with relevant authorities creating a bridge between Government and Citizens with reference to expectations and awareness about Smart Cities.

##### Unnat Bharat Abhiyan:

The institution participated in the Unnat Bharat Abhiyan and created DPs for villages nearby under Vishwakarma Yojna. Students have conducted activities such as village visits, Swachh Bharat Abhiyan, Yoga camps for school children, drawing contests, blood donation drives, polio campaigns, tree plantings, and thalassemia screenings.

##### National Service Scheme (NSS):

The NSS program at the university aims to inculcate social welfare in students and to provide service to society without bias. NSS volunteers work to ensure that deprived people get help to enhance their standard of living and lead a life of dignity. NSS Volunteers are involved in activities like cleaning, afforestation, awareness programs, helping poor & needy people, meetings with Orphanage homes & old age homes to provide mental support, providing groceries to needy people, celebrating the festivals like Diwali, Holi, etc with labour colony worker's families, and health and hygiene camps. In addition to this, the following activities are carried out by the unit.

- Electoral Literacy Campaign
- Organizing classes for kids of construction workers.
- Blood donation drive
- Plant distribution on World Environment Day
- Healthcare camps - Eye checkups, Heart checkups, and medical checkup camps
- Special Village camps and Village Visits

#### **Legal Aid Society:**

The legal aid society of MU is established to raise community awareness of welfare legislation and programs, as well as to improve community access to programs run by the Legal Services Authority and other government agencies. By providing legal aid services, MU can help promote social justice and equality by providing legal representation to underprivileged individuals who may not have the resources to access legal support otherwise.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### **3.6.2 Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years**

**Response: 6**

#### **3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

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

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

### 3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

**Response:** 145

#### 3.6.3.1 Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
48	22	22	29	24

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

**Response:** 93.72

#### 3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
3436	977	5445	3643	2260

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 3.7 Collaboration



**3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year****Response:** 600.4**3.7.1.1 Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
1308	531	690	305	168

**File Description****Document**

Institutional data in prescribed format

[View Document](#)

Copies of collaboration

[View Document](#)**3.7.2 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.****Response:** 168**3.7.2.1 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
43	38	28	31	28

**File Description****Document**

Institutional data in prescribed format

[View Document](#)

e-copies of the MoUs with institution/ industry

[View Document](#)

Any additional information

[View Document](#)

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.**

**Response:**

Marwadi University Campus is the synonym of the Green Campus. More than 1200 trees and about 150 species of plants make the campus very beautiful. State-of-the-art infrastructure with the faculties handpicked amongst the best as the basic objective of the organisation is to be the trendsetter and a place of choice for knowledge aspirants in the peninsula of Saurashtra and Kutchchh. This is aimed to provide the best teaching-learning environment to satisfy the knowledge hunger of the aspirants. The University has consistently set up courses of action and strategies to improve its resources consistently (infrastructure, faculty & staff, students' resources, etc.)

Different types of classrooms with below arrangements are available on campus -

- Corner theatre-type classrooms
- Square theatre-type classrooms
- Flat classrooms and small Tutorial Rooms
- Classrooms with flexible furniture
- Special classrooms for expert lectures

These classrooms are utilised for all academic activities. All the classrooms are ICT enabled have internet and sound facility and are facilitated with acoustic treatments. The minimum area of each classroom is 100 sqm. Tutorial rooms are smaller in size and equipped with ICT facilities.

Technical Institutions of the University have all the laboratories well-equipped with the necessary experimental setup, analytical equipment and their required simulation software.

The faculty of Technology has featured laboratories like Heavy Structural Laboratory and Earthquake Engineering Lab in Civil Engineering. CNC Machine equipped Mechanical Workshop, Bosch Rexroth Automation Lab, Smart Foundry and Rapid Casting Lab in Mechanical Engineering.

University also has specialised computer laboratories with up-to-date technology for various needs of the diversified programs for the students like Android Lab, Intel Lab, IoT Lab, Artificial Intelligence Lab; High-Performance Computing Lab. Super Computer facility 'Param Shrivak' was received from GUJCOST for a higher level of computing and is attached with 20 nodes of computer for its access.

Marwadi University has established the Marwadi University Centre of Innovation, Incubation and Research (MUIIR) which focuses on reinventing the conducive ecosystem for NextGen entrepreneurs. MUIIR has a dedicated space of over 5000 sqft for first offices and prototyping with more than 30 hardware. MUIIR is a Nodal Centre supported by SSIP & NewGen IEDC for venturing innovative ideas.

The faculty of Law has a state-of-the-art Moot Court with video conferencing facilities which can connect

multiple destination proceedings for organising interactive at various destinations.

All the computer laboratories of the University are well-equipped computer laboratories for UG and PG studies. All the machines are connected via a fibre-optic cable network to provide high-speed LAN as well as wireless connectivity. University has Language laboratories as well as special modules for Listening, Speaking, Reading and Writing skill assessment of students to enhance student employability through communication skills.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

##### Response:

The following facilities are available on the campus for cultural activities, yoga, games, and sports events:

- 1. Auditoriums:** A cluster of conference halls and the auditorium is available on campus to organize various student and cultural activities. The capacity of spaces ranges from 75 to 850 seats.
- 2. Amphy Theatre:** The University hosts an open-air Amphy theatre with a seating capacity of 1000 seats. Various cultural events such as songs, dance competitions, one-act plays, debates and weekend shows etc.
- 3. Gymnasium:** A gymnasium is available on campus. Full-time trainers are appointed for the physical guidance and training for the students and staff. The gymnasium is equipped with various fitness equipment and accessories.
- 4. Games and Sports:** The college promotes sports and games and offers the individual an opportunity to enhance self-knowledge, expression, personal development, courage and social interaction. A well-equipped sports complex with indoor and outdoor sports spread over the campus. This also has facilitated a football ground, lawn tennis court, volleyball court, basketball court, table tennis court and cricket pitch. A separate indoor games facility for playing shuttle, table tennis, caroms and chess is provided, and it is being used by the students regularly. To develop team spirit, leadership qualities and organizing abilities among the students, Sports & Games meets are organized regularly in the college. Students of all departments participate and prove their talents.
- 5. Multipurpose Ground:** A ground of area 8180 sq.mt. is available at the campus where different activities like cultural events, technical exhibitions, photography exhibitions, technical expos, religious events etc. are organized on the ground on a grand scale.
- 6. Relaxation Rooms:** University has identified relaxation rooms for girls of 100 sqm each. Where the students can get relaxed in the meantime of their academic sessions.
- 7. NCC Training Yard:** NCC as a course is being offered as University Elective Subject at the

University with effect from Academic Year 2021 onwards. Senior wing for girl and boys cadets are allotted to the University. Dedicated obstacle Training and field activity ground of 1666 sq.mt. is available on campus.

8. **Cultural Activities:** The University encourages and lends a helping hand to develop the innate talents of students in cultural activities. The Institution organizes technical festivals annually and conducts State Level Inter-College competitions in Technical Paper Presentations, Technical Exhibition, Literary and Cultural Activities, Sports and Games Activities.
9. **Yoga:** With the aim to have holistic development of the students and staff University organizes yoga classes for the faculty periodically. University also celebrates World Yoga Day every year to spread the importance of practising yoga for individual development.
10. **Health and Hygiene:** The college maintains a medical centre at hostels with a qualified medical practitioner visiting campus for medical services to students on weekdays. In case of any medical emergency, an Ambulance service is available 24 hours a day on campus. The campus has 24-hour security arrangements with fully trained guards for round-the-clock vigil around the campus. Also, the campus is equipped with the latest hardware and software like CCTV cameras.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Geotagged pictures	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.3 Availability of general campus facilities and overall ambience

##### Response:

The University campus is spread across 42 acres of land, with 9 major blocks dedicated to academic activities, workshops, training and placement, indoor sports and gymnasium, and hostels covering a total built-up area of 145957 sq.mt

The campus is very refreshing with its green cover of 26,400 sq.mt. There are many open parking lots available on the campus, covering a total area of 21,890 sq. mt. The whole campus is under CCTV surveillance. Buildings on the campus are ergonomically designed to provide efficient teaching and learning activities. The spaces like classrooms, tutorial rooms, laboratories, computer centres, seminar halls, library, board room, and faculty seating are well-ventilated and spacious. All the spaces are well supported with required ICT facilities like internet connections, projectors with screens and AV support. The majority of the classrooms, seminar halls, libraries and auditorium are air-conditioned with all modern infrastructure and facilities.

Uninterrupted power supply on the campus is maintained with backup generators for a total capacity of 1300 kVA. Further, an adequate supply of clean, potable water in each building is ensured. Ambient air quality and water quality are monitored and displayed at various locations on the campus at a regular frequency. The transport department has 70 buses for the convenient movement of faculty, staff, and students. Major mass of the faculties, staff and students are using this facility to support green initiatives of the campus. Faculties coming through their own car are also coming in sharing basis. There are dedicated

and well-furnished with a modern look for the Provost office, Dean offices, Registrar office, Administration and HR block, Examination Section, Student Section, Placement Cell etc.

Medical Centre with all the basic facilities for the treatment of minor diseases with full-time doctor on campus is available for students and staff. An ambulance 24x7 is available on campus for emergency situations. A branch of nationalized bank, Bank of India is established on the campus with full-fledged banking facilities open to staff and students of University.

The University has spacious and well-furnished hostel facility separate hostel facilities for boys and girls which can be availed by the postgraduate students. There are three hostel buildings in all, two hostels are for the boys and one for the girls. The hostels have sports and other recreational facilities such as cable TV, a common room for interaction, etc. The University has one canteen facility and two food courts to cater to the needs of its students, staff, and faculty members. The university campus houses a student store that supplies textbooks, stationery items, and other essential commodities for the convenience of the students. Photocopy and coloured printing facilities are available for the students, employees, and visitors. The students use this facility for various projects and assignments.

**Approach:** The campus is located on a motorable road on its both sides. Around 70 buses owned by the trust ply during the whole day. The nearest railway station and Airport of Rajkot is 13 kms. away from Campus.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

**Response:** 117.37

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

2021-22	2020-21	2019-20	2018-19	2017-18
2294.36	2740.92	3162.29	5792.76	6551.83

File Description	Document
Upload audited utilization statements	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

#### Response:

Library - Learning Resource Centre of the University, Specialist collections, use of up-to-date technology, and a team of enthusiastic and dedicated staff all combined to form a library which serves the users of the Marwadi University as well as contributes towards the research needs of the institution, and is one of the best ICT equipped academic libraries in the region.

- Fully equipped with RFID (Radio Frequency Identification Device) Technology
- Specially devised and designed Self KIOSK for Self Check in & Check out
- Self-Kiosk equipped with Face recognition technology.
- E-Resource Lab having 60+ computer systems with latest configuration to assist for online research and resources
- Specially devised and designed Mobile Application having features of; Intimation, Alerts, History, Account Status and Books search facilities
- Connected with other libraries and resource centres to retrieve information resources worldwide
- Separate Study rooms and discussion rooms
- Additional Transportation facility for special Late Evening & Sunday for Library users

#### Library Services:

- Reference Services
- Circulation Services: Books' issuing is done through users' face recognition system. Users can borrow and return the books by self-issue and self-return process.
- Current Awareness Services [CAS]
- New Arrival Books
- New Arrival Periodicals
- Computerized Information Search-Online Public Access Catalogue (OPAC): Books can be searched through library OPAC. Every alternate rack is equipped with OPAC systems to search books. OPAC link is as follows: <http://library.marwadieducation.edu.in/>
- Library Orientation Program: Orientation is provided every year to new students about the Library, its functioning, about services and how to search the particular book in OPAC and in racks.
- Reading Room Facilities
- Discussion Room Facilities
- Institutional Repository and Membership
- Kindle Issuing: MU Library is having 15 Kindle devices with Kindle Unlimited package. Users can borrow Kindle device for 15 days just like a Book.

#### Library Area and Floor Plan:

Sr. No	Location	Area in Sq.M.tr.	Area in Sq. Ft.
1	Ground Floor	740	7965.29
2	First floor	400	4305.56
3	6th floor	740	7965.29

4	6th floor Mezzanine floor	440	4736.12
<b>Total Area</b>		<b>2320</b>	<b>24972.26</b>

<b>Floor</b>	<b>Details</b>
<b>Ground Floor</b>	<ul style="list-style-type: none"> <li>• Lending Collection</li> </ul> <p>(Including Textbooks, General and Competitive exam collection, Gujarati and Hindi Collection etc..)</p> <ul style="list-style-type: none"> <li>• Special Collection</li> <li>• Print Journals and Magazines Section</li> <li>• Newspaper Section</li> <li>• Faculty Publication Display</li> <li>• Self-Kiosk for circulation</li> <li>• OPAC – 6 systems</li> <li>• Computer Lab – 20 Systems</li> <li>• Technical processing room with storage facility</li> <li>• Sitting Arrangement for Readers</li> </ul>
<b>First Floor</b>	<ul style="list-style-type: none"> <li>• Law Collection</li> <li>• Law Special Collection (AIR Manuals and Bound Volumes)</li> <li>• Computer Facility</li> <li>• Sitting Arrangement</li> </ul>
<b>Sixth Floor</b>	<ul style="list-style-type: none"> <li>• Reference Collection</li> <li>• General Magazines Section</li> <li>• Newspaper Section</li> <li>• OPAC – 6 systems</li> <li>• Computer Lab – 24 Systems</li> <li>• Discussion Rooms</li> <li>• Sitting Arrangement for Readers</li> </ul>
<b>Sixth Mezzanine Floor</b>	<ul style="list-style-type: none"> <li>• Sitting Arrangement for Readers</li> </ul> <p>(Providing different sitting for reader comfort)</p>

**Common to all floors:**

- Central Air Conditioning
- Wi-Fi facility
- CCTV surveillance
- Drinking Water Facility

**Library Timings:****Monday to Friday****Library Timings: 7.30 am to 8.00 pm**

Library: 7.30 am to 5.30 pm

LRC: 9.00 am to 8.00 pm

### Saturday

Library: 8.45am to 4.30pm

LRC: 9.00 am to 8.00 pm

### Sunday and 3rd Saturday

LRC: 10.00 am to 5.00 pm

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

**Response:** A. Any 4 or more of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

**Response:** 34.79

4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
38.88	11.56	44.29	31.77	47.45



File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

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

**Response:** 41.1

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

Response: 2573

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)

**Response:** 100

##### 4.3.1.1 Number of classrooms and seminar halls with ICT facilities

Response: 145

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.3.2 Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

**Response:**

Marwadi University has an IT policy for the Usage of the Institute's IT facility and network. It clearly states dos and don't informing users about using the information technology infrastructure of the University.

University has a full-fledged IT system Department with a qualified system manager for efficient management of IT infrastructure on campus. The IT System Department with 13 personnel technical team ensures that the IT infrastructure including institute laptops, desktops, L1/L2 Switches, Wifi Routers and peripherals are always in working condition.

The following are the salient features of the IT policy

- **Network:** Users are responsible for all the network traffic generated from their devices on the network. Network capacity is a limited and shared resource and one shall not engage in physically tampering with the network connections/ equipment, sending disruptive signals or making EXCESSIVE USE of network resources. Marwadi University staff and students shall not share the network connection beyond their own use and should not act as a forwarder for anyone else.
- **Academic use:** I.T. infrastructure at the Institute is purely for academic use and the user shall not use it for any non-official profit-generating activities. Also, the user shall not host or broadcast information that might harm others or may be otherwise considered objectionable or illegal.
- **Monitoring and Regulation:** Resources used by users are subject to monitoring and regulation. The Institute reserves its right to perform necessary actions to protect and preserve the overall integrity and efficiency of the Institute network.
- **Malicious Software:** The user shall maintain his/her system/device on this network with appropriate security support.
- **File Sharing and Downloading:** The user shall not use the I.T. infrastructure to engage in any form of illegal file sharing or downloading.

### **Process of Implementation and Adherence to the Policy**

Assistant Vice President – IT and Technical team of 8 members are responsible for upkeeping IT facilities and internet network on campus. They coordinate at the University level and ensure the implementation of IT policy for smooth utilization, maintenance and replacement of IT infrastructure.

Students and staff member can **register their laptop MAC IDs** to access WiFi in the campus and University does not provide WiFi facilities on mobile phones due to security reasons. Fully Automated UniRP systems in place where students and staff members can register complaints and get feedback once the complaint is resolved.

### **Budgetary Provisions**

**From 2017-18 to 2021-22 the average expenditure on IT Infrastructure was Rs. 2,63,20,581. An average of 39% of the budget is utilised towards Upgradations of the existing computing facilities. which requires a timely update.**

### **Updates and maintenance of IT Facilities including Wi-Fi Facility**

- Various IT-based tools and services were developed/procured to facilitate academic activities.
- Maintenance and Support during academic Labs.
- Super Specialised Equipment/Labs: 'ParamShavak' Supercomputer Lab for the students and researchers for conducting research and data analytics.
- Network bandwidth 1 GBPS.
- Wi-Fi facility ARUBA 3400 Wi-Fi Access Point Controller available on the campus.

- SonicWall Supermassive 9200 is used as a Firewall.
- Hardware-related Hands of Sessions arranged by the Department.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.3.3 Student - Computer ratio (Data for the latest completed academic year)

**Response:** 3:1

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Student – computer ratio	<a href="#">View Document</a>

#### 4.3.4 Available bandwidth of internet connection in the Institution (Leased line)

**Response:** A. ?1 GBPS

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

#### 4.3.5 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Links of photographs	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

### 4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

**Response:** 42.14

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

2021-22	2020-21	2019-20	2018-19	2017-18
1559.06	1118.81	2226.24	2074.76	1093.02

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Audited statements of accounts

[View Document](#)

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

#### Response:

Needless to say, a good administration will foster a good environment for an Educational Institution's growth. Marwadi University takes a step forward in providing an excellent and World class infrastructure along with efficient support services. Some of the important points that make this University different from a normal one are: -

**The physical, academic and support facilities:** The physical facilities on the campus of the university are maintained by a team of competent civil and electrical engineers. The section is responsible for the uninterrupted water supply, sanitation, power supply and maintenance of buildings, elevators, lifts, fountains, roads, lakes & equipment like generator sets, general lighting, power distribution system, solar plants etc. Maintenance of water pumps, sewage and drainage is undertaken by support staff.

**AMC and CRC:** University enters into an annual contract for all the lifts, all RO plants, drainage cleaning, fogging, pest control, STP and water tank maintenance. Most of the routine maintenance is covered by CRC. The purchase and store departments ensure timely purchase and delivery of items on indents.

A team of maintenance supervisors and area officers, monitors the maintenance and cleanliness of the buildings, classrooms, library, labs, furniture, campus ground, sports facilities, students' amenity areas, ramps, medicinal garden, staff offices, etc.

Classrooms, Furniture, teaching offices and laboratories are maintained jointly by the Admin and Maintenance Section. Students optimally utilize all classrooms during the daylong working hours and are also mentored to upkeep the furniture.

The Board Room, Seminar halls, Auditoriums and Amphitheatre are under the supervision of the project and maintenance section, & their booking is done by the academic administrative office. Effective utilization of common facilities, i.e., seminar halls and auditoriums for organizing academic meetings, seminars, conferences, and cultural events is made through an online event booking module.

The ICT Centre maintains the ICT facilities including computers, networking, Wi-Fi system, CCTV surveillance system and servers. The ICT centre is responsible to provide the necessary computing software, procurement and installation of systems, antivirus and firewalls, and up gradation. To minimize e-waste, electronic gadgets like projectors, computers, printers, and photocopiers are serviced and maintained. The institute has a full-fledged ICT Centre with a qualified system manager and efficient management of IT infrastructure on campus.

**Security and vigilance:** With 78 security personnel deployed physically and more than 1000 CCTV cameras with a monitoring control room; it requires no emphasis to say that the campus and the hostels are safe havens for the students. The ragging committee, women's cell, and disciplinary committee are all quick to take steps to ensure good discipline on campus.

**Fire and safety:-** The fire and safety officer continuously monitors all the safety issues and ensures that all fire equipment is in good service condition always.

**House Keeping and support services:** Every building has an area officer to ensure that the campus is clean, classes are opened and closed on time, and all furniture and electrical fittings are in good condition always. A huge auditorium with comfortable seating capacity, separate FDP rooms, two seminar halls, two group discussion rooms, a conference room, and adequate classrooms for central lectures make the environment learning-friendly.

**Canteen and Kiosks:** One veg canteen with 1000 seating capacity at a time, a non veg international canteen with 600 seating capacity, an ala carte with 1000 seating capacity, tea Post and shop outlets on each floor of the main building, two kiosks on the PG building and series of shops in ATS catering to the requirement of the students make it a great place to live.

**Transport:** More than 80 buses running in three shifts covering the entire Rajkot, places up to Jamnagar, Gondal and Morbi make the students commute with ease. A workshop and apps-based contact with students make travel efficient and friendly.

**Medical facility:** A medical room, a university ambulance available 24 hrs and a tie-up with Gokul Hospital ensures prompt medical support. On request, the government has positioned 108 with a nursing attendant on the campus for emergency support.

**Maintenance:** Online-based lodging of complaints, ticket-based closing of complaints and feedback on each closure of the complaints make the support effective and efficient.

**Flora and Fauna:** Landscaping and greenery with 1200 trees and 150 species of plant is a speciality. for an eco-friendly environment. The lovely lake on the campus adds beauty to the environment.

**Special emphasis is laid on the alternate means of resources:** Solar power generation, bio plant operation, and rainwater harvesting.

**Sports and Gym:** Excellent sports facilities are available to students. Cricket ground, football ground, basketball ground, volleyball ground, Kho-Kho ground, kabaddi, and ultra gym make the complex lively. Facilities including an obstacle course, SSB training modules and camping facilities provide the required support for the development of students through NCC and NSS.

**Entertainment:** An open-air theatre, music and dance department is the live wire for the students to get charged and energized after a long working day.

So, not only is Marwadi University surging ahead in the Academic field, but it is also working for the holistic development of the students by providing all updated facilities in all spheres.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

**5.1.1 Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).**

**Response:** 65.76

**5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2021-22	2020-21	2019-20	2018-19	2017-18
4833	3661	2848	1592	657

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.**

**Response:** 83.56

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

2021-22	2020-21	2019-20	2018-19	2017-18
5004	3944	3420	2193	1479

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology**

**Response:** A. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>

**5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.2 Student Progression

**5.2.1 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)**

**Response:** 100



**5.2.1.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
44	22	35	12	4

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

2021-22	2020-21	2019-20	2018-19	2017-18
44	22	35	12	4

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.2.2 Average percentage of placement of outgoing students during the last five years**

**Response:** 72.18

**5.2.2.1 Number of outgoing students placed year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
913	801	668	338	99

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.2.3 Percentage of student progression to higher education (previous graduating batch).****Response:** 17.13**5.2.3.1 Number of outgoing student progressing to higher education.**

Response: 220

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.3 Student Participation and Activities**

**5.3.1 Number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) during the last five years.**

**Response:** 136

**5.3.1.1 Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
39	10	7	45	35

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.3.2 Presence of Student Council and its activities for institutional development and student welfare.****Response:**

The Student Councils of the various departments at Marwadi University, collectively represent the University Level Student Council. This Council aims to promote the social, psychological, and cultural

growth of the students through a host of activities all year round. The Council aims at fostering and maintaining networking among fellow students and alumni through cultural, sports, social and technical activities such as MU Fest, National Moot Court Competition, Hackathon, Engineering Technical Events, etc. throughout the year. Thus, the Student Council at various departments acts as a bridge.

Few student councils at the department levels as below;

**Chemical Department:** aims to foster and maintain networking among fellow students and alumni through technical and social events on a regular basis.

**Physiotherapy:** encourages student participation in curricular, co-curricular, and extracurricular activities such as Industrial visits, organizing workshops, Medical Camps, Free Treatment Services, Conferences, etc.

**Pharmacy:** undertakes activities for the development of students, welfare, and social services.

**Mechanical Engineering:** organizes various workshops, events, and fests throughout the year. Industrial Visits, Expert Talks, CAD Workshops, and MESA Day celebration.

**Computer Engineering:** organizes activities such as industrial visits, expert talks, organizing various events such as workshops, The Sparklan Competition, Technical Crossword and Puzzle, C She Can Contest, Visit "One Farm Hydroponics", Webinar on "Roadmap to Data Structures and Algorithms" etc.

**Automobile Engineering:** focuses on technical activities like an industrial visit to Tata/ Suzuki leading four-wheeler manufacturing plants to gain practical exposure, Expert Talks on Gear Clutch & Brake, cultural events, etc.

**Civil Engineering:** Undertake activities for the development of students, welfare, and social services. Activities such as Women 100 M Race, Indian Chapter of American Concrete Institute(ICACI) at the department level, workshops, seminars, expert talks, industrial visits, etc.

**Law Students' Council:** organizes activities like the organization of the Moot Court Competition by the Moot Court Committee, sending law students to participate in other competitions. Setting up Legal Aid Camps in villages in and around Rajkot city. Organizing debate competitions for women under Women Cell.

**Science:** aims to enhance the involvement, participation, encouragement, and self-confidence of students to shape important skills. This will assist students to make personal and professional connections while discovering career opportunities. The activities carried out by the association are Table Tennis, Throw Ball, Bizzare, 1 Legged Race, Women's Week Celebration, workshops, industrial visits, etc.

**Computer Applications:** provides guidance, advice, and information about the clubs, activities, and rules to the student community. The activities carried out by the association are a Two-day workshop on "Laravel", Marwadi's Got Talent (MGT), Synergy, Okha Marin Camp, Resume building seminar, a Sports Day Celebration, etc.

**Management Studies:** activities carried out by the council are Prashasti - Student Appreciation Ceremony, Sports Activity, Guru Purnima Celebration, Diwali Decoration, Aarti Decoration competition,

Garba competition, UG freshers, Rogan Art & Plastic weaving Workshop, Book Photography Challenge, Orientation Challenge, etc.

**Hostel Floor Representative Council:** activities carried out by the council are deciding breakfast/ lunch/ snacks and dinner menus, organizing various events for hostel students, maintaining discipline in hostels, etc.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

**Response:** 48.4

#### 5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
84	66	24	37	31

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.4 Alumni Engagement

**5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.**

**Response:**

The Marwadi University has created an Alumni association which is officially registered as a society with the name “*Marwadi University Alumni Association (MUAA)*” having Reg. No. AAQAM3887N. Under the aegis of the Marwadi University Alumni Association, constituent departments have their individual Alumni Associations to coordinate and provide direction for all alumni-related activities and engagements. The alumni association facilitates the functioning and strengthening of the Industry-Institute interface. The

association pursues and sustains excellence in education through interaction between alumni, faculty, representatives in faculty Boards/ Board of Studies/ IQAC, and present/current students of the University. Any graduating student of Marwadi University can become a member of the association by registering in the body.

The alumni members help Marwadi University in the following ways:

**1. Alumni Fund:** The alumni association is able to collect and manage the alumni fund by collecting alumni registration fees which are utilized for various activities, like the conduction of alumni meetings. Yearly financial reports are prepared and audited.

**2. Alumni Expert Talks:** Alumni Association regularly engages with alumni and invites them to interact with junior students to highlight their experience in their careers and also know-how about the advancements made in their respective disciplines.

**3. Placement:** The association facilitates various activities like alumni mentorship programs, and assistance for summer and final placements.

**4. Institution building:** To have an industry and alumni perspective in the design of the curriculum and quality policy etc association invites senior alumni to be part of the board of studies and get their valuable feedback for syllabus upgradation. Further, alumni are invited to share their industry experience with the students and help them choose the right career path as a part of student mentorship. The initiative is also to provide a platform for the students to know the best practices in the industry and relate them to academics. Many of our practicing alumni have delivered lectures in the area of Engineering, Management, Computer-applications, Science, and Research.

The University has a base of approximately 15,000 alumni either associated with industry/entrepreneurship ventures that help strengthen the Industry-University interface. The University has received considerable support from its alumni in student placements and admissions. Some alumni are directly involved in the recruitment process as a member of the visiting team for campus recruitment.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### 5.4.2 Alumni contribution during the last five years (INR in Lakhs)

**Response:** B. 50 Lakhs - 100 Lakhs

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

**6.1.1 The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance.**

**Response:**

Vision and Mission adopted by the University is based upon the framework developed by “*Building Your Company’s Vision*” by *Jim Collins*, an American researcher, author, speaker and consultant focused on the subject of business management, company sustainability and growth.

The University had *participative, collaborative and fruitful discussions among all stakeholders* to develop and finalize Vision and Mission for the University, which is presented as below;

***Our Vision***

To foster an environment that empowers people, organizations and societies through education, ideas, research and training

***Our Mission***

- To provide quality education and thereby bring social transformation
- To create leaders through innovation and entrepreneurship
- To cultivate the culture of research advancements
- To imbibe universal consciousness
- To stimulate growth through industrial and international partnerships

**Our Core Values**

**LEADER**

- Lifelong Learning
- Empathy
- Adaptability
- Diversity
- Empowerment
- Respect

The University follows *360-degree education model* which ensures that students acquires key technical and soft skills and possesses all the necessary attributes that ensure a successful career.

To support Vision, the University has devised structure with a sole aim of overall development of student passing out of the campus. The structure has also envisaged the personal needs of these students who should learn to give back to society. Unique Three Tier structure ensures that there is ample opportunity for every individual to learn all the educational and professional attributes.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

#### Response:

The University realizes that, success and attainment of goals and vision is only possible with the combined efforts of all stakeholders. Implementation of policies and processes as approved by the statutory bodies of the University for *academic and administrative affairs is through decentralization of powers and participative involvement of Leaders.*

The institute focuses on decentralization and participative management by *providing equal role to participate in various committees and boards* formed to strengthen the operational aspects.

Few of the special committees are as below;

- Deans & Directors Committee
- NEP Implementation Committee
- Institutional Development Plan (IDP) Committee
- Alumni Engagement and Relations Committee
- Skill Committee
- Rankings & Rating Committee
- Student Activities Committee
- Sports Activities Committee
- MoU Committee
- Building and Works Committee
- Internal Quality Assurance Cell (IQAC)
- Academic Council
- Governing Body
- Finance Committee
- Board of Management
- Faculty Board
- University Research Council
- Department Research Council
- Student Clubs

Participative involvement of university staff and student are through below interventions.

1. **Monthly Deans & Directors meeting with the Vice-Chancellor:** This is a committee having participation of Provost, Registrar, all Deans and Directors from academic discipline as well as all Heads of the administrative departments such as accounts, student services, placements, training, HR, IT systems and IT infrastructure. This is a platform where Heads of the Academic & Non-Academic functionaries of the University are invited to update, discuss and suggest on various

functional aspects of the Departments. This body takes decisions after discussing with all stakeholders for day to day operations and planning. Every initiative/project of the University are first discussed at this meeting and then recommendation is share with statutory councils of the University for further approval or informaitn.

2. The **Heads of the Departments** are invited to **statutory meetings** of the University as special invitees. The main aim is to have inclusivity, access of suggestions and feedbacks, handhold and prepare for future leadership roles.
3. **Open House:** It is organized at the University with active participation of all staff and faculty members with an aim to have free and transparent flow of communication with regard to policies, processes or any other feedbacks and suggestions to be shared with.
4. **Student, Alumni & Parent representation** in Internal Quality Assurance Cell (**IQAC**) in order to have access to qualitative deliverables and improvements.
5. Alumni of the Institute has played a pivotal role in developing connect with the Industry and thus enhance enrichment of curriculum and teaching-learning practices.
6. Student active involvement in sports & cultural committee has witnessed a steadfast participation in national level competitions.

**Delegation of Financial Powers:** University Governing body has approved delegation of financial powers based on designation and reporting hirarhy. These financial approval powers are given at the level of Workshop incharges, Head of the Department, Dean, Registrar and Provost. University has embedded these policy into its module and hence system directs vouchers/preapproval to next level or to consider as final approval. Transperant system is developed and hence person who has requested financial approval or submitted expenses is aware about its status through the system.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic plan is effectively deployed.

#### Response:

**University had made five year stretegic plan for the year 2017-2022** just after its establishment in 2016. This plan was developed based on the academic, geographic and employability status and trends around that period in the state and nation. This stretegic plan was considered as the direction towards development at the university. Stretegic plan had put emphasis on starting multidisciplinary programs, internationalization, developing industry supported/sponsored labs, UGC 2(f) peer team visit approval, accreditation, Improve diversity on campus, Enhance employability and developing statup eco system on campus. At the end of its first phase, University has achieved many of milestones fixed under the plan. **University has also made stretegic plan for the year 2023-2027 and have started working in that direction.** Both stretegic plans are uploaded on University website.



**Describe one successfully implemented activity based on the strategic plan:****Activity based on strategic plan: To promote Internationalization of Higher Education**

University has established and developed *dedicated International Relations Office* at Campus sphere-headed by Director, specialized in International Relations. The team engages itself in initiating dialogue & establishing linkages with foreign institutes and universities.

It has connected with various *foreign embassies* in India, *trade organizations* that host education fares in foreign land, *MoUs with foreign Universities* and touched based with *education secretaries* to enable visibility and student flow. Apart from these, University has MoUs under European Union programs such as *ERASMUS+* that offer faculty and student exchange. Recently *UKRAIEN* programs for research and intellectual associations have been initiated.

**Budget allocated for Internationalization of Education (in INR)**

Year	2017-18	2018-19	2019-20	2020-21	2021-22
<b>Budget</b>	Rs. 70 lakhs	Rs. 80 lakhs	Rs. 100 lakhs	Rs. 120 lakhs	Rs. 120 lakhs
<b>Allocated</b>					

**Initiatives/Projects undertaken by the Institutes in the areas of Internationalization of Higher Education**

- Faculty of Law at Marwadi University along with six other Universities submitted a proposal for the development of Post Graduate program in “*International Law and Forced Migration Studies*” which was selected for funding by ERASMUS+ KA2CBHE (ERASMUS+ Key Action 2 Capacity Building in the field of Higher Education). A cumulative grant of € 9.2 lacs is sanctioned for the project. Only 2 law schools from entire country are part of this project.
- A grant of € 9.9 Lacs is sanctioned by ERASMUS+ KA2CBHE (ERASMUS+ Key Action 2 Capacity Building in the field of Higher Education) for the development of Post Graduate program in “*Climate Change Policy and Law*” by Faculty of Law at Marwadi University.
- Marwadi University along with University of Dunaujvaros, Hungary and University of Rhode Island (URI), USA have collaborated for Dual Degree Program. The courses & syllabus has been mapped at the both the Institute to initiate the offerings.

**Awards and Recognition received by the Institute : High Performer Partner Institute Award 2019 – Presented by Educational Consultants India Ltd. (EdCIL), a Public Sector Undertaking, under the administrative control of Ministry of Education for its Flagship Program Study In India.**

File Description	Document
Any additional information	<a href="#">View Document</a>
Strategic Plan and deployment documents on the website	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

### Response:

The University has very well *complied itself with statutory requirements* as stated in the Gujarat Private Universities Act No. 8 of 2009.

It has formed *Governing Body, Academic Council, Board of Management & Finance Committee and Board of Studies* to consider the data of the University and make judgments in the areas of activities.

### *Governing Body*

Being the Apex body of the University exercises following powers and functions;

- Make, review and approve, from time to time, the policies, plans and procedures and suggest measures for improvement and development of the University
- Make recommendations on any matter referred to it by the President and Sponsoring Body of the University
- Make recommendation to the sponsoring body for the creation of new posts of officers, teachers and staff of the University
- Exercise such other powers and functions as may be assigned by the sponsoring body
- Consider and approve the recommendations made by the Board of Management, Academic Council, President and Provost of the University

The Governing Body of the University meets three times in a calendar year.

### *Board of Management*

The Board of Management exercises following powers and functions;

- Accept financial accounts together with audit report
- Prepare Annual and Supplementary budget of the University and place it before Governing Body for its consideration and approval
- Adopt and follow the budget for expenditure as approved by the Governing Body
- Create new posts of teachers, other officers and staff of the University and recommend the same to the Governing Body for approval
- Monitor, control and administer the general activity of the University
- Frame fee structure as per faculties to be levied from the students in consultation with Fee Regulation Guidelines as available from time to time from state government

### *Academic Council*

Academic Council of the University is the principal academic body and coordinates and exercises general supervision over the academic policies and programs of the University. The major functions of Academic Council is as below;

- Promote teaching and research and related activities in the University.
- Exercise general supervision over the academic policies and programs of the University and to give directions regarding the methods of instruction, teaching and evaluation of research or improvements in academic standards
- Consider academic related proposals submitted by the Faculties, Departments of the University
- Approve the syllabus of different courses/subjects submitted by the Faculties, Departments and to arrange for the conduct of the examinations according to the Ordinances made for the purpose

In addition Special committees are formed at the University for matters pertaining to Students, Alumni, future course of developments, implementation of NEP 2020 etc. with adequate representation of teaching, non-teaching and students to deliberate and provide recommendations to take important decisions and frame policies and processes within the purview of each such committee. Below are the list of such committees

- Deans & Directors
- NEP Implementation Committee
- Institutional Development Plan (IDP) Committee
- Alumni Engagement and Relations Committee
- Skill Committee
- Rankings & Rating Committee
- Student Activities Committee
- Sports Activities Committee
- MoU Committee

File Description	Document
Any additional information	<a href="#">View Document</a>
Link to Organogram of the University webpage	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.2.3 Institution Implements e-governance covering following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

**6.3.1 The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff .**

**Response:**

**Performance Appraisal System:**

**Performance-Based Appraisal System at Marwadi University:** The University has *adopted guidelines stated by UGC in the form of PBAS system*. Faculty can enter his/her details which are important for their progress throughout the year under major three categories.

1. Teaching, Learning and Examination related activities. Information related to teaching assignments, and other academic and administrative duties such as exam supervision, and assessment is covered under this category.
2. Extra Curricular and Professional Development related activities: Details related to innovation in teaching, special projects, participating/organizing seminars and Conferences etc. are considered under this category.
3. Research, Publications and Projects: Records related to National and International level publications, Research projects, Books and Book chapters etc are considered under this category.

The respective Head of the Department approves the data entered by the faculty member based on the information and records submitted which is then visible to the faculty. The purpose of the PBAS is not only appraisal, but it also serves as a road map for faculties on what are the areas where one can progress. Based on the merits, opportunities for promotion and career advancements are offered to the concerned faculty member.

PBAS System captures faculty performance under three major categories.

**Promotional avenues:**

**Internal Promotion:** The university realizes and recognizes contributions made by each of its staff members during its journey of attainment of Vision & Mission. Applications are invited from deserving candidates to present and showcase their achievements in their respective fields. Upon evaluating the merits, a staff member is promoted to a higher position with an increase in responsibilities to motivate them to aim and achieve higher deliverables. *A noteworthy occasion where-in the University promoted a*

**helping Staff to Clerical positions with higher roles and responsibilities.** Apart from this, regular promotions from Assistant Professor to Associate Professor and from Associate Professors to Professors are happening keeping internal promotion policies and regulations in place.

All full-time confirmed faculties and staff members fall within the ambit of the Annual Promotion exercise followed at the University.

**Staff Welfare Measures:** The University focuses on recruiting talents with high calibre and retaining them with flexible allowances, perquisites and effective welfare measures as below.

- Subsidized/free transportation
- Subsidized housing/HRA facilities
- PhD education subsidy
- Dearness Allowances
- Child Education Scholarships
- Provident Fund
- Membership allowances for enrolling in professional societies
- Allowances for attending conferences and publications
- Uniform
- Subsidized canteen services
- Laptop allowance
- Research Award & Seed Grants
- Free online courses
- On Duty Leaves
- Faculty Industry Immersion Program (FIIP)
- Gratuity – NPS
- Accidental Death Insurance coverage
- Mobile Allowance

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### **6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.**

**Response:** 78.35

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

2021-22	2020-21	2019-20	2018-19	2017-18
190	147	203	170	137

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.

**Response:** 50.8

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

2021-22	2020-21	2019-20	2018-19	2017-18
49	44	59	49	53

File Description	Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).

**Response:** 65.73

#### 6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
249	130	152	130	96

File Description	Document
Details of teachers attending professional development Programmes during the last five years (Data Template)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

#### Response:

#### *Resource Mobilization*

The University has established an **Endowment Fund** of Rupees 6.08 Cr. and has deposited with Gujarat State Financial Services Ltd., Government of Gujarat. Interest on deposit is utilized for infrastructure development of the University.

University also mobilizes funds from resources such as **fees, training, testing, consultancy, environmental auditing work** etc. University offers Research Consultancy services to more than 150 clients across various industries. It actively encourages faculty members to apply for research projects to external funding agencies such as DST, SERB, GUJCOST, DRDO etc.

**Promoter Funding:** Financial resources are also channelized through promoter group companies and through internal ploughing back of financial accruals.

Moreover, the University has **established 38 modern research laboratories including 8 industry labs** like Wipro, Bosch, Google, CAD/CAM, Smart Foundry, Jyoti CNC & MUJCAL, Renewal Energy Research & Incubation Centre in collaboration with Energy Swaraj Foundation. A supercomputer (PARAM Shavak system) facility has been awarded and set-up in the University by Gujarat Council on Science and Technology - Department of Science and Technology, Government of Gujarat. Finishing School has been established at the University with a funding support from Department of Science & Technology, Govt. of Gujarat.

#### *Resource Utilization*

Effective utilization of financial resources starts from preparing systematic budgets at the Institute and University levels. Each of the expenditure (CAPEX & OPEX) is recommended and presented to the Governing Body of the University by the concerned council/committees/departments after due discussions and deliberations to seek approvals.

While seeking approval, a proposal note is prepared with details mentioning the importance, benefits and needs keeping student, faculty and university as the focal point. Recommended proposals are deliberated and discussed and looking upon its merits the same is approved for implementation.

Separate expenditure heads are created and the same is reviewed and monitored with regard to utilization

funds round the year. Further, internal audits and external audits are carried out to ensure proper books of accounts are being maintained.

University has developed and established *robust IT system to monitoring* and to *ensure effective utilization* of financial resources.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V ) (INR in Lakhs).

**Response:** 140.62

##### 6.4.2.1 Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
0	39.67	24.00	54.54	22.41

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>

#### 6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

**Response:** 105

##### 6.4.3.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
53	0	0	17	35



File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>

#### 6.4.4 Institution conducts internal and external financial audits regularly

##### Response:

University has a structured mechanism of internal and external audits of books of accounts.

Internal Auditor is a Chartered Accountant, who audits all the bills/vouchers received by the Accounts Department of the university on a concurrent basis. The Audit is conducted as per rules and regulations framed by the University within the Framework of Delegation of Powers. A system has been devised of Pre-Audit of all the expenditures above Rs. 5,000/- before approving for payment through budget system in ERP of University. The competent authorities approve all bills / cash memos / vouchers in ERP system and the designated staff of the Accounts Section audit the same.

The external audit is carried out by the reputed auditing agency appointed by the Governing Body of University. Annual accounts along with the Statutory Auditor Report are submitted to the Governing Body every year.

The University believes in the efficient implementation of internal checks and controls in financial management. The University has a healthy mechanism to comply with the auditor's findings. There is a system for the evaluation of audit findings received from the auditor, and a deadline is set for the reply to audit findings before finalizing the audit report for any year.

The process flow of the mechanism is as under;

1. Receipt of Auditor's findings
2. Presentation before the management for review
3. Evaluation of findings
4. Development of corrective measures of findings
5. Framing guideline/policies for strengthening internal control
6. Outlining timeline for implementation of the guideline/policies
7. Designating an employee for responsible implementation of policies
8. Informing the auditor about the measures and decisions of the management on auditor's findings

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.**

### Response:

IQAC cell brings in many innovative ideas/best practices for discussions and these ideas convert into practices and processes bringing change in the quality of academics, systems and processes. Some of the examples of initiatives of IQAC cell which has converted into practices are listed below. Student Performance Card to improve student performance by analyzing potential of student is working very well at the University. Also discussion on IUCEE implementation at the University is seen as a great success.

### *Student Performance Card: AI Concept*

To have a meaningful and healthy academic engagement among Teacher/Mentor & a Student, University has evolved & developed *Student Performance Card* which is based upon *AI Concept*.

Algorithms are set in such a way that it *works upon a student's past examinations results data*. Based upon such workings, system will read data and float assumptions to students and result is notified to a student in his/her digital space (App/Login Area) about subject wise and overall performance, that whether he is;

- *Above Potential*
- *Maintains Potential*
- *Below Potential*

Student Performance Card is also displayed to faculty members according to their function & role of interaction with a student.

1. Subject Faculty
2. Class Coordinator
3. Mentor

**Subject Faculty:** As a teacher of particular subject, the faculty member gets an overall insight upon the number of students performing Above Potential, Maintains Potential & Below Potential. This feature of monitoring Cards facilitates faculty member to handhold & assist students to improve their performance before examination.

**Class Coordinator:** The said features are enabled for Class Coordinators & Algorithms are set in such a way which works on student's past data and populates data upon Student Attendance, Subject Result and Feedbacks.

**Mentor:** Mentor will also have similar features for his/her Mentees for assisting and guiding in academic pursuits.

***IUCEE Implementations at the University***

- ***International Engineering Educators Certification Program (IIECP):*** Since June 2017, the University proudly takes part in International Engineering Educators Certification Program (IIECP), a flagship program of IUCEE that addresses methodology to bring innovation in engineering education with an aim to certify all engineering educators through this program.

University is aiming to provide IIECP certification for all its faculty members.

Milestones achieved are as below;

- 85 faculty members have completed the certification.
- Phase – 1 – 190 Faculties
- Phase – 2 – 160 Faculties
- Phase – 3 – 85 Faculties

The Faculty of Technology at the University has implemented IUCEE-IIECP certification for all its engineering faculty members and it believes in outcome based education.

- ***IUCEE EPICS:*** Institute has enrolled in the Engineering Projects in Community Service (EPICS) program through IUCEE since 2017 to involve students and staff members, to understand the needs of society and provide effective solution through engineering projects. Institute has also introduced EPICS program in the engineering curriculum.
- ***IUCEE Virtual Academy:*** The faculty members at Marwadi University are leveraging the benefits of IUCEE virtual academy by attending weekly webinars offered by renowned experts through IUCEE network. This activity has enhanced the experience of teaching among the faculty members.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

**6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).**

**Response:** A. Any 5 or more of the above

File Description	Document
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
Paste web link of Annual reports of University	<a href="#">View Document</a>

### 6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).

#### Response:

University has improvement in quality through implementation of following practices in small incremental steps have seen incremental improvements.

- ***CO & PO Implementation Mapping***

The University has adopted OBE curriculum which focuses and aims with a clear picture of what is important for students, organizing the curriculum, instruction, and assessment to make sure learning ultimately happens. CO & PO structure followed at University is based upon four basic principles, which are as below;

1. **Clarity of focus:** Teachers at the University focuses on what they want students to know, understand and be able to do. They help students to develop knowledge, skills, and personalities that will enable them to achieve the intended outcome that has been clearly articulated.
2. **Designing down:** Designing of curriculum starts with a clear definition of intended outcomes that students are to achieve by the end of the program. Once this is completed, all instructional decisions are made to ensure achieving the desired end results.
3. **High expectations:** Teachers establish high and challenging standards of performance in order to encourage students to engage deeply in what they are learning.
4. **Expanded opportunities:** A teacher strives to provide expanded opportunities for all students.

- ***Feedback***

Direct and indirect feedbacks are invited from all stakeholders such as students, alumni, industry and parents in relation to each subject of the study, course completion and concerned teacher. Online system has been developed wherein every month each and every students share feedbacks on defined parameters for teaching faculty members. Feedbacks are evaluated by HoD/Dean and faculty members are guided through the concern areas.

- ***Research Initiatives***

1. **Policy on Promoting Industry Association Memberships:** Financial support to faculty members to be a member of professional body.
2. **Research Promotion Policy:** Awarding & rewarding to staff members for publications and financial support for attending conferences.
3. **Faculty Industry Immersion Program (FIIP):** Faculty members are encouraged to undertake Industry Immersion Programs to bring learning from the Industry to classroom.

- ***Participations in Ranking and Accreditations***

University actively participates in various National & International Ranking frameworks. Such participations are aimed at rigorous self evaluations of each of the parameters and University standings upon it. The outcomes of evaluations are considered for continuous operational as well as academic improvements. The Govt. of Gujarat has awarded Marwadi University with status of “*Center of Excellence*”.

- ***Internationalization***

1. **Participations in ERASMUS+ Programs:** University is in collaboration with the Universities of European Union and Cooperation with these Universities are granted funding under ERASMUS+ Program.
2. **Participation in Study In India (SII) Program:** University is a member of EdCIL, a Miniratna–category I PSU in India under the administrative control of Ministry of Education, Government of India. It actively takes part in the Flagship program called Study in India. A total of **320+ students from Syria** joined Marwadi University as part of the Hon. Prime Minister’s education scholarship initiative offered to students hailing from Syria.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

##### **Response:**

Marwadi University supports initiatives to increase gender equity, such as eradicating discrimination, recognizing and empowering women, addressing unpaid care, and strengthening policy.

Marwadi University has introduced NCC as an open elective subject. This will offer a major advantage to cadets in the B and C Certificate examinations. A specialization course on 'Managing Diversity' is offered to all MBA students which helps them identify and understand the key issues related to gender bias and inequality.

**Safety & Security:** The University has made safety and security a top concern. Under the direction of a Security Officer, the security officers are on duty constantly. An exclusive 1204 CCTV system is deployed in critical places to assist their work and to offer the highest level of protection. For round-the-clock supervision of the whole campus and its perimeter, Marwadi University employs 67 security personnel, including female security personnel (24 x 7 basis). Security check is mandatory for outsiders (persons and vehicles) at all the entry and exit points. Valid vehicle entry passes (two-wheelers and four-wheelers) are provided to all faculty and staff members. It is mandatory to stick the MU sticker on all authorized vehicles. The Helmet is advisable for two-wheelers within the campus.

The policy on *the prevention, prohibition, and redress of sexual harassment at work, Anti-ragging cell, Grievance Redressal, and Internal complaint* was established by Marwadi University to avoid any instances of harassment and dispute.

Additionally, the university's task forces are to ensure the safety of the students and staff, such as search and rescue operations and firefighting. On campus, there are a total of 633 pieces of fire equipment. A full-time, dedicated Fire Safety Officer has been hired for 24-hour duty on campus.

Every academic building has an elevator earmarked for female students. At the entrances to the Academic and Administration blocks as well as the hostel blocks, an Alarm-Based Elevator System is accessible. A Medical Center with qualified doctors is available to provide medical care to the students. Specialists also visit the campus on designated days. Two ambulances are available 24 hours in all the hostels. Marwadi University conducts various seminars and events to create awareness among students about breast cancer, Menstruation hygiene, Cyber Safe Abhiyan, and Fundamental rights.

**Counseling:** Marwadi University has established a Student Mentorship Initiative Programme to create an interactive and target-oriented counseling program involving students, faculty, and parents. Marwadi University has initiated the "Sarathi" Programme. "SARATHI" is a student support service aimed at supporting students to remain motivated and to perform with their optimum efficiency.

**Common Room:** The university has provided Separate Common Room for female students and staff, with basic facilities for relaxation. The campus has a girls' common room equipped with a Sanitary Girls'

Vending Machine.

**Day-Care Services:** Day-care services are available on the campus for children of teaching and non-teaching staff. Well-trained & qualified staff are appointed to take care of the children during working hours

File Description	Document
Specific facilities provided for women in terms of: a.Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>
Annual gender sensitization action plan	<a href="#">View Document</a>

### 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

- 1.Solar energy
- 2.Biogas plant
- 3.Wheeling to the Grid
- 4.Sensor-based energy conservation
- 5.Use of LED bulbs/ power efficient equipment

**Response:** A. 4 or All of the above

File Description	Document
Geotagged Photographs	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

**Response:**

Marwadi University is committed to ensuring that the built infrastructure has sustainability as a core principle in the maintenance management of the campus.

**Solid waste management:** It is practiced to safely dispose of the waste generated at the campus by way of segregating the waste as organic waste, recyclable waste, and inert waste and processing the waste thus segregated. Solid non-biodegradable waste from each block is collected at one place and then disposed of through the RUDA disposal system. Toilet blocks of all the campuses are connected to the sewage line network of the campus.

University is also planning to utilize all the kitchen waste for production of biogas in the campus itself and a biogas plant for the same is under construction. Organic kitchen waste and garden waste are being converted to Vermicompost and Some Kitchen waste is collected by the farmer to feed the cattle also. The segregated waste that can be recycled is sold for recycling to the Vendor. University has applied the NO PLASTIC POLICY for project report submissions to minimize plastic waste.

**Liquid waste management:** Marwadi University has a Sewage Treatment Plant (STP) of capacity 200 kLD and is under regular operation for treating sewage waste from the various buildings on the campus. Also, all the buildings have a dual plumbing system in which STP-treated water is used for flushing. Regular monitoring of the treatment is done by the in-house Environmental Audit Cell by taking samples at various stages of the treatment and the efficiency of the treatment is verified at each stage.

**Biomedical waste management:** The University has introduced dustbins for dry and wet wastes for effective waste management with color coding to promote separate disposal. The Department of Microbiology is having an annual contract with Distromed BioClean Pvt. Ltd. for the disposal and treatment of both solid and liquid biomedical waste generated in microbiology and clinical laboratories.

**E-waste management:** The university has donated computers to the schools for the part of their outreach activities, for re-use of the computers. The university has also tied up the registered vendor to manage the E- Waste of the department.

**Waste recycling system:** The university uses the Vermicompost method for waste recycling. Three barrels of kitchen waste are converted to Vermicompost, which is applied to gardens and used for research purposes. Five beds are prepared for the treatment, compost is translated to nearby villagers and other users to solve the problem of eutrophication.

**Hazardous chemicals and radioactive waste management:** Hazardous chemicals and radioactive waste management are taken seriously by the University. Fuming hud is provided at required locations and concentrated acids are stored in a safe and separate room. Exhaust fans and fire-extinguishers are arranged in the laboratory of the Chemical Engineering Department. These chemicals are used by students in their laboratory classes in extremely dilute forms and do not cause any harm to the students or the environment

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>
Geotagged photographs of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>



**7.1.4 Water conservation facilities available in the Institution:**

- 1. Rain water harvesting**
- 2. Borewell /Open well recharge**
- 3. Construction of tanks and bunds**
- 4. Waste water recycling**
- 5. Maintenance of water bodies and distribution system in the campus**

**Response:** A. Any 4 or all of the above

<b>File Description</b>	<b>Document</b>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.5 Green campus initiatives include:**

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

**Response:** A. Any 4 or All of the above

<b>File Description</b>	<b>Document</b>
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>

**7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:**

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

**Response:** A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Certification by the auditing agency	<a href="#">View Document</a>
Certificates of the awards received	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

**Response:** A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	<a href="#">View Document</a>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Details of the Software procured for providing the assistance	<a href="#">View Document</a>

### 7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

**Response:**

The university takes necessary actions to create an atmosphere that is more welcoming and inclusive for all of its stakeholders. Zero tolerance for ethnic, religious or racial discrimination has always been an overt admonition at stakeholder introduction. All community members are encouraged to participate openly in discussions, events, and celebrations of holidays, and national & International days at the University. Every effort is made in the institute to foster an environment in which education may be pursued freely and courageously. The university has a multicultural student and faculty base. To create and maintain an inclusive and respectful workplace for all, regardless of their identities, the orientation program at the start of the academic year serves as a platform for interaction among various groups.

Students and employees of all religions and communities participate in cultural and religious celebrations.

Diwali, Dussehra, Ganesh Chaturthi, Eid, Christmas, Holi, Onam, and other holidays are joyfully observed. The university offers Optional Day Leaves to make it easier for everyone on staff to celebrate holidays, as well as Off-Day Privilege Leaves for all faculty members who work on holidays.

At the MU Talent Show, employees demonstrate their Cultural Diversity via skits, theater, dances, music, and songs reflecting other cultures and languages. A two-day annual cultural event called MU Fest is held to focus students on social solidarity and cohesion, promote social inclusion, community empowerment, and capacity-building, as well as to boost confidence, civic pride, and tolerance.

Regular health checkup programs are organized by the Physiotherapy center of the University. The Physiotherapy center conducts routine OPD on the campus premises for all teaching and non-teaching staff under the guidance of well-trained and experienced staff members. The center supports Physiotherapy treatments for neck pain, back pain, sciatica, disc lesion shoulder pain, frozen shoulder, post-traumatic/fracture stiffness, sports injuries, osteoarthritis/rheumatoid arthritis, Heel pain, Elbow pain, Deformities of the spine and other joints, paralysis, Cerebral palsy, Wrist pain, Ante-natal physiotherapy, Post-natal physiotherapy, Ergonomic advice, Obesity, Hypertension, Facial palsy, and many more concerns of the staff. Along with this, the Physiotherapy Center organizes regular healthcare camps for the impoverished in rural regions, as well as school health programs in neighboring communities. In order to assist the patients at the adjacent hospitals in Rajkot during Covid, the students have volunteered as "Covid Sahayak."

National Service Scheme (NSS) programs educate students about the challenges of socio-economically underprivileged populations and serve as a link between the university and the community.

Every Sunday, in collaboration with Heartfulness Institute and Marwadi University, mediation classes for Housing Maintaining Staff, Hostile Staff, and Students urge them to keep their minds free of diverting ideas and how to keep their hearts pure by removing any negativity and keeping themselves in a pleasant and tranquil attitude.

For the benefit of its employees and their families, Marwadi University has formed a medical alliance at a discounted fee to manage all tertiary care services at the different hospitals in Rajkot city

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>

#### **7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).**

##### **Response:**

The University is aware that, education cannot be limited to classroom instruction alone. Besides imparting formal education, the University feels that it is its moral responsibility to groom students for becoming responsible citizens and contribute to the progress and development of the nation.

Marwadi University and Marwadi Shares and Finance Limited successfully delivered 10,000 face shields. The face shield which is considered Personal Protective Equipment (PPE) was in acute shortage during the COVID-19 Pandemic across the nation and the world and to meet its increasing need, the university has started the initiative.

Marwadi University has donated 30,00,000 in support of Covid-19 to Chief Minister Relief Fund.

The NSS unit of Marwadi University provides a platform for the students for community work and to develop a sense of involvement in the tasks of nation-building. NSS volunteers work to ensure that the needy get help to enhance their standard of living. A variety of activities are organized every year to channel the energy and idealism of the younger generation into creative pursuits. They educate students and society regarding many issues like health, sanitation, palliation, etc. Various health camps and cleanliness drives across campus and slum areas nearby are taken out regularly to create awareness and also to motivate people to work towards a clean environment.

Nukkad Natak on Drug Addiction was performed in a nearby village for creating awareness among the youngsters about the harmful effect on them.

The University also conducts special lectures on the Constitution of India where subject experts speak to the students about the importance of the Indian Constitution, and the fundamental rights, duties, values, and responsibilities of citizens.

The students also participate in outreach programs organized by their respective departments and student councils. The outreach programs allow the students to understand the different perspectives of social issues prevailing in the community. Some of the virtuous cycle between society and an inclusive academic system by providing knowledge and practices for emerging professions and upgrading the capabilities of both public and private sectors in responding to the development needs of rural India

activities organized as outreach programs are: role play, socio drama, street play, eye camps, diabetes camps, and blood donation camps.

Unnat Bharat Abhiyan is inspired by the vision of transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an Inclusive India. NSS unit of Marwadi University has conducted various activities for the development of rural part of society with the aim to create a virtuous cycle between society and an inclusive academic system by providing knowledge and practices for emerging professions and upgrading the capabilities of both public and private sectors in responding to the development needs of rural India.

#### **7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.**

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

**Response:** A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

#### Response:

Marwadi University honors national and international commemorative days and events, and strongly believes that it is imperative to preserve and protect our national identity and culture by creating awareness in young minds of this glorious heritage. We owe an unparalleled debt of gratitude to the leaders of the Indian freedom struggle for developing national strength and unity. Youth represents the most dynamic and important segment of any country's population. Without a doubt, the youth of today will be the innovators, creators, builders, and leaders of tomorrow. It is important to expose the students to the major national and international celebrated days at Marwadi University and to observe the same as reverently as possible on campus.

**National Days Celebration:** The University celebrates Independence Day commemorating the nation's independence by discussing the implications with students & faculty. The Indian Constituent Assembly ratified the Constitution on November 26, 1949, and it went into force with a democratic government structure on January 26, 1950, as Republic Day. Reiterating and disarming the ideals that underlie our contributions helps us appreciate the day.

#### Days Celebrations:

International Women's Day is celebrated every year at the university and institute levels.

Rashtriya Ekta Diwas is celebrated to commemorate Sir Sardar Vallabhai Patel's birth anniversary and to honor his contribution to national unity on Rashtriya Ekta Diwas (National Unity Day).

India initiated the celebration of International Yoga Day every year on 21 June 2015. During this historical period, the world community began to understand the importance of practicing yoga in everyday life in order to become stress-free. Students and staff at the campus are encouraged to join the event, which has been well received.

During Hindi Divas, students from diverse ethnic and linguistic backgrounds participate in cultural events and seminars. Marwadi University observes "Kargil Vijay Divas" every year in an effort to instill the spirit of the independence fight and nationalist movement in the younger generation.

On December 22, which is Srinivasa Ramanujan's birthday, the university observes National Mathematics Day.

Engineer's Day: Mokshagundam Visvesvaraya, one of the best engineers in the nation, was born on September 15, which is when the University observes Engineer's Day.

Teachers' Day: The University observes Teachers' Day on September 5 in honor of Dr. Sarvapalli Radhakrishnan, a legendary educator.

Every year, Marwadi University celebrates World Environment Day by planting trees to show its dedication to sustainability.

Through a number of student groups on or off campus, the University offers seminars and street plays to promote the Indian Cultural Heritage. Movie screenings are also conducted for students and faculty members in order to create social awareness and value systems in students, and a socially-addressed film can lead to the practical application of values learned in personal lives.

**International Days:** Marwadi University's international students arrange and observe International Day together. The Office of International Affairs facilitates this each year. The multinational community on campus hosts literary and cultural activities.

File Description	Document
Geotagged photographs of some of the events	<a href="#">View Document</a>
Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>

## 7.2 Best Practices

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

**Response:**

### Best Practices # 1

**1. Title of the Practice: Empowered, Participative, and Transparent Governance through indigenous University ERP (UniRP) System**

**2. Objectives of the Practice:**

- The goal of the ERP software is to automate all the academic and administrative procedures related to Marketing, Admissions, Academics, Student Management, Placements, Internationalization, Staff Management, Library Management, Hostel Management, Transport Management, and Finance Management. With constant input provided by the University for customization requirements, the ERP has today taken the shape of End-to-End, Admission to Alumni Campus

Management Software.

- The major objective behind implementing the ERP system is to bring transparency in governance, and ease of operations, reduce the administrative and data management burden of faculty members, move towards a paperless office at the university, and improve overall productivity

### 3. The Context:

The purpose of developing indigenous ERP was to empower faculty members, students, and decision-makers and provide better and transparent governance. It helps faculty members to design the delivery of their courses to attain Course Outcome and Program Outcomes with the help of data sets. UniRP software is used in every Academic and Administrative function of the University as well as to encourage students through a special AI-based card system.

Investing in UniRP software helps the University organize data and automate academic management processes. Besides assisting students in registering for classes, it also allows them to view their corrected answer books and assignments, register for placement opportunities, events fees payment and many other segments.. Through the UniRP, the Finance Department can manage and monitor tuition fees, process timely payments and refunds, and have transparent recordkeeping which is visible to students and departments. UniRP systems offer better and more transparent communication between students, teachers, and parents.

### 4. The Practice

Since the inception of the University, several initiatives towards e-Governance have come up with the development of in-house ERP solutions. The entire operational aspects as well as database management of the University are paperless, thus improving capabilities, facilitating students in their path of learning and development, and supporting green initiatives towards Sustainable Development Goals (SDGs). ERP solutions are supported with 110+ Modules, and 12 Mobile Apps with a capacity to generate 1650+ Reports for monitoring and control.

University Enterprise Resource Planning (UniRP) is a database-driven web-based software used for the collection, storing, managing, and interpreting of data from many academic operations and activities.

Primary Modules of University ERP system:

A. Admission Module: The admission Module is the gateway for the system where the student first gets himself/ herself registered by filling in the requisite information in the prescribed format. Thereafter a unique college id (user name) and password are generated which is also instantly sent to the registered mobile number. This enables him/ her to log in to the ERP portal. The student can also login to the ERP portal using MU Student mobile app.

B. Fee Management: The e-campus ERP has been integrated with the University accounts, which is a groundbreaking feature to provide an easy facility for the student to find out the status of the fee due etc.

C. Academic Management and Monitoring modules:

I. Curriculum Management: The ERP has a dedicated academic timetable management master through which prescribed timetables are created and distributed to the course faculty. Lecture notes, Assignments,

and E-materials are uploaded by the subject faculty in E-Content Module which can be accessed by the students on their mobile or desktop.

II. Academic Monitoring & Attendance Management: The progress of an individual teacher is monitored for the percentage of syllabus covered daily, weekly, or monthly. The academic progress of the courses taught under a particular program is monitored. The online feedback on the teaching methodology is undertaken periodically.

III. Rubrics planning: The ERP provides a robust system for rubrics planning which supports in assessing specific components for any continuous semester evaluations.

D. Library Management module: Library management module helps book searching, managing members, issuing books, and circulating books.

E. HR and Payroll module: The HR and payroll module helps to collect the employee data from the biometric system.



## 5. Evidence of Success (187/200)

The University ERP is an integrated system crafted to operate in real-time without any delay. A uniform appearance and user experience across modules is made possible by the IT department with minutely precise application and data integration. The UniRP integrates teachers, students, and staff under the same umbrella.



### Marketing & Admission

- ✔ CRM
- ✔ Online Admission Portal
- ✔ Counselling System
- ✔ Merit List

### Student Section

- ✔ Student Data Management
- ✔ Student Reporting
- ✔ Class Management
- ✔ Auto Enrolment Generation
- ✔ Grade Card Distribution
- ✔ Bonafide Certificate
- ✔ I-Card Printing
- ✔ SMS Integration
- ✔ Telegram Integration

### Academics & LMS

- ✔ Semester Registration Process
- ✔ Academic Process  
(Syllabus, Timetable, Attendance, etc.)
- ✔ Mentoring
- ✔ Parents Meeting

- ✔ Suspension/Detention Management
- ✔ Program Elective
- ✔ Open Elective
- ✔ Class Ledger
- ✔ Student Portfolio
- ✔ Student Leave Management
- ✔ Feedback System
- ✔ Class Observation
- ✔ E-Content
- ✔ Student Project
- ✔ Rubrics
- ✔ Communication Skill Assessment
- ✔ Portal (LSRW)

### Examination

- ✔ Exam Scheduling
- ✔ Question Paper and Answer Sheet Management.
- ✔ Supervisor and Paper Checker Management
- ✔ Online Exam Forms
- ✔ Block Management
- ✔ Various Marks Entry Modes

- ✔ Result Generation and Declarations
- ✔ Reassessment Processes
- ✔ Desktop based E-assessment
- ✔ Android based E-assessment
- ✔ Online Examination
- ✔ Proctored Examination

### Accreditation

- ✔ Automated Course file
- ✔ OBE Based Automations

### Career Development & Placements

- ✔ Placement Dashboard
- ✔ Campus Drive Management
- ✔ Placement Team Management
- ✔ Placement Drive Attendance Management
- ✔ Training Dashboard
- ✔ Various Alerts
- ✔ Online Training Test  
(Aptitude, Reasoning etc.)
- ✔ Training Activities Data Management  
(GD, PI, etc.)

**Library**

- ☑ Books Procurement
- ☑ Catalogue Management
- ☑ Books Borrowing Privileges
- ☑ Library Calendar
- ☑ RFID/Barcode Integration
- ☑ Biometric Integration
- ☑ Auto Issue/Return
- ☑ User Management
- ☑ Fine Management
- ☑ Library OPAC

**HRMS**

- ☑ Recruitment Portal
- ☑ Employee Management
- ☑ Biometric Attendance Integration
- ☑ Leave Management
- ☑ Salary
- ☑ PF
- ☑ No Due Process
- ☑ Visiting Faculty Management
- ☑ PBAS
- ☑ Appraisal System(Non-Teaching)
- ☑ CUG Management

**Administration**

- ☑ Inventory
- ☑ Transportation
- ☑ Hostel
- ☑ Guest House
- ☑ Canteen
- ☑ Location Management
- ☑ Bill Management
- ☑ Dispatch Management
- ☑ Xerox Management
- ☑ Violence Management
- ☑ Maintenance
- ☑ Housekeeping
- ☑ Key Management
- ☑ Water Management
- ☑ Electricity Management
- ☑ Internal Audit
- ☑ Security
- ☑ Gate Pass System

**University & Institute Management**

- ☑ Events
- ☑ Presentation Management

- ☑ Project Management Tool
- ☑ Task Management Tool
- ☑ Registrar Office Processes
- ☑ Meeting Management
- ☑ Document Correspondence

**Institute & Student Support**

- ☑ Student Login Portal
- ☑ Helpdesk System
- ☑ Student Interaction
- ☑ Refund Process
- ☑ Online Notice
- ☑ Student Railway Passbook
- ☑ Survey System

**International Affairs**

- ☑ International Students Management
- ☑ FRRO Management
- ☑ Visa Management
- ☑ Various Alerts
- ☑ International Cultural Days Management

Marwadi University has received Digital Distinction for Technology Conformance to NEP Awards. For implementing state-of-the-art high tech solutions on campus, Assocham National Council on Education awarded MU, the Certificate of Excellence at the EdTech 100 summit.

ERP enabled faculty and staff members to create their own customized progress reports and encouraged the minimal use of paper. The practice resulted in shared implementation, shared technological resources, increased coordination and communication between staff & students, with automation & standardization of systems. The practice acted as a precursor to digitalization. The practice is found to be user-friendly, flexible, completely integrated with the financial system of the organization, fast and easily accessible on the internet. It has promoted a new culture of quality management, system stability, transparency, competitiveness, increased IT skills of employees, user satisfaction, automation, system security, flexibility, data availability, better coordination, and communication.

## 6. Problems Encountered and Resources Required (146/150)

The university received excellent support from the dedicated team of University IT team to manage ERP software. The implementation and the college management system to become fully usable require its own time. We have to give the time required to get the ultimate benefit. All the aspects like customization, integration, data migration and user training have to be done properly. The implementation of educational ERP sometimes demands other changes in the management of an educational institution. Hence, the users like students, teachers, and staff have to devote sufficient time to get trained to use the ERP to derive the expected benefit from its implementation. Again, the demanded changes should always be carried out after all the phases of the ERP implementation are completed to avoid additional inaccuracy. Another aspect is

the investment in the process of implementation, including annual maintenance, implementation, additional customization charges, training costs, etc.

## 7. Notes (Optional)

University ERP is recognized as the best UniRP in India and trusted by higher education institutes in the government and private. University ERP believes in delivering products that cater to specific customer requirements. This has helped us to develop and retain business relationships with many top higher education institutes of India and other government and non-wonder mental clients. We are privileged to be working with some of the most well-known academic institutions. The comprehensive methodology and user-friendly design of the UniRP system are highly appreciated in academic circles; as a result, national and regional universities as well as other academic institutions in India have effectively adopted it.

Universities that have procured Marwadi University UniRP are -

1. National Forensic Science University, Gandhinagar, India (Institute of Eminence, Govt of India)
2. Gujarat Biotechnology University, (India's first Biotechnology University, Government of Gujarat)
3. Vardhaman College of Engineering, Hyderabad, Telangana, India (NAAC++ institute)
4. Dr. Subhas University, Junagadh, Gujarat, India

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### Title of the practice # 2:

#### Powering students' employability through curricular reforms in communication skills

#### Objectives of the Practice:

- To enhance students' communication skills in English to prepare them for GDs and interviews.
- To prepare them for a global workplace and seamless transition into English speaking environment.
- To enable them to express themselves confidently and effectively in academic and professional contexts.

#### The Context:

- Students passing out of professional courses such as engineering and management must face GDs and interview well before passing out.
- Communication skills in English are a must for cracking interviews.
- However, the region of Saurashtra is known for students' diffidence and inadequacy in communication skills in general and English in particular.
- The fear of English is evident among the student community and hence, the curriculum had to be designed in a way that they are able to imbibe the communicative aspects and it is also hands-on.
- The challenge was also to design the syllabus to ensure that they are able to display communication skills suitable for their specific domains during and after the course delivery.

## The Practice

- Syllabus design for English has largely remained theoretical and focuses on the teaching of grammar. Moreover, the traditional courses offered to illustrate a syllabus design that does not take into account prior learning and provides one-size-fits-all topics and exercises.
- Marwadi University launched Elective Courses on English in each class wherein students could choose either Reading and Writing for Technology or the Speaking and Presentation Skills course. This will divide the class into small groups allowing hands-on practice and imbibing the concepts in an experiential manner rather than listening to theoretical lectures.
- Besides, courses such as English through Films enabled students to learn English using visual mediums rather than reading only textual material. Moreover, the students can see the communication on screen and relate to it in a given situation. This provides the simulation that classrooms at times fail to provide.
- The uniqueness is that even films prescribed in the course aligned with the student's domain. For instance, the English through Films course offered in the BBA program has films prescribed such as The Social Network, related to world business and the same course offered in the Science or Technology program carried films such as Interstellar, related to the field of technology.
- The courses are customized to suit the students' needs of learning specific skills rather than being made to learn all skills. The courses are also innovative in the use of audio-visual and textual material and its delivery.
- The delivery also remained unique because the faculty members were trained in using Active Learning or Participative Methods such as role plays, think-pair-share, brainstorming etc. leading to a learner-centric, hands-on, and experiential learning ambiance.
- Parallel to the academic and curricular innovations, the University also harnessed the power of technology to deliver English-related online courses to students. First of all the students were required to undergo an IELTS-like Pre-Test consisting of exercises in Listening, Speaking, Reading, and Writing to determine their proficiency level. Based on their performance in the Pre-Test, they were assigned a Basic Proficiency Course in English or an Advanced Course of the same.
- These courses were designed and developed by in-house faculty. As Online Courses, they allowed students to learn in their own free time and at their own pace. Each course had its own assessment rubrics and mechanisms. Each year, 3000 first-year students appeared in the Pre-Test of Listening, Speaking, Reading, and Writing modeled on IELTS and then pursued a Basic or Advanced Course based on their performance in the pre-Test. In sync with the goal of proficiency in English through hands-on practice, the Online Courses also contributed equally to the advancement of proficiency levels of students of Marwadi University.

## Evidence of Success

- Typically, courses related to English revolve around pen-and-paper tests consisting of fill-in-blanks focused on theoretical knowledge of grammar.
- However, MU courses are hands-on and require adequate demonstration of skills learned leading to the actual illustration of skills in classroom practices and continuous assessment carried out throughout the semester.
- For instance, for a topic such as Introducing oneself, the students are required to submit a video assignment wherein they are required to introduce themselves. Therefore, the learners, faculty, and university can see the evidence of learning and its success in the countless video testimonials of this kind for a variety of assignments and practices.

- Students performed better in continuous assessment and developed the necessary confidence for facing GDs and interviews.
- Students provided ample demonstration of these skills in interviews and performed well securing high-paying jobs in challenging job interviews.
- The University also has feedback from students and employers documenting the improvement in communication skills in English leading to better employability.
- As students also completed the Online Courses on English developed in-house, they completed their assessments and acquired the certificate which bears testimony to their success in the course and proficiency developed through the same.

### Problems Encountered and Resources Required

- We did not face any particular problems. We focused on innovative syllabus design and delivery using Active Learning methods. This helped us achieve the objective. Regarding resources, the University has put in place a full-fledged Department of Communication Skills with a clear focus on English and employability issues

File Description	Document
Best practices in the Institutional web site	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 7.3 Institutional Distinctiveness

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

#### Response:

#### Internationalization of Higher Education at Marwadi University:

Guided by the Mission and Vision statements, Marwadi University has endeavored to inculcate a spirit of scientific temper along with the values of spiritualism, truthfulness, and service to mankind. The vision of the university is to "foster an environment that empowers people, organizations, and societies through education, ideas, research, and training," very well covering the thrust of promoting education among all communities irrespective of religion, culture, and tradition.

The University has established a dedicated International Relations Office on Campus since 2015 in compliance with UGC guidelines. The Office is sphere-headed by Deputy Director, specializes in International Relations, and is equally supported by team members who engage themselves in initiating dialogue, establishing linkages with foreign institutes, and supporting international students in complying with Foreign and Regional regulations. University has appointed 4 international students as interns to help new students settle fast and make them understand the compliance processes of VISA, FRRO, etc. **At present Marwadi University has highest percentage of International students on it campus in the country** when compared in similar size. 11% of its total student strength is foreign nationals coming from

52 countries.

**G20 and Guest Countries:** This year, India holds the G20 presidency, and Marwadi University is thrilled to have 291 students from G20 and Guest Countries. The Government of Gujarat has recognized all these students as the G20 Student Ambassadors. They were invited to participate as Key Individuals in various G20 meetings to discuss Indian Culture, Economic Development, and Political Stability.

**Continuity in Globalization of Education:** Marwadi University is one of the few in the Country to have more than 11% of its total student strength as international students hailing from 52 countries. The number of students enrolled in various programs has grown from 5 in 2017-18 to 1115 in 2022-23, and this trend is likely to continue.

### **Global Partnership & Joint Research:**

? Marwadi University is an active partner of EdCIL (Educational Consultants India Limited), a Miniratna – category I Public Sector Undertaking in India under the administrative control of the Ministry of Education, Government of India. It actively takes part in its Flagship program called Study In India (SII). In 2019, the Institute was awarded the “High Performer Partner Institute Award” by EdCIL.

? Marwadi University has entered into MoU with European Universities under European Union programs such as ERASMUS+ that offer faculty and student exchanges. Further, the University also connects with like-minded overseas institutes and enters into partnerships for promoting joint research projects and teaching-learning aspects. The University has 32 active international MoU as of 6th Feb 2023.

? Faculty of Law, Marwadi University along with six other Universities submitted a proposal for the development of Post Graduate program in “International Law and Forced Migration Studies” which was selected for funding by ERASMUS+ KA2CBHE (ERASMUS+ Key Action 2 Capacity Building in the field of Higher Education). A cumulative grant of € 9.2 lacs is sanctioned for the project. Only 2 law schools from the entire country are part of this project.

? A grant of € 9.9 Lakhs is sanctioned by ERASMUS+ KA2CBHE (ERASMUS+ Key Action 2 Capacity Building in the field of Higher Education) for the development of Post Graduate program in “Climate Change Policy and Law” by the Faculty of Law at Marwadi University.

**Awarded Research Internships:** MITACS Globalink Research Internship – Canada is a competitive program that pairs top-ranked international students with specific research expertise with faculty at Canadian academic institutions for a twelve-week research project. 12 students from the University were awarded a grant of 5.35 lacs in order to visit different universities in Canada.

The University has entered into collaboration with the Scholarship Institute of Mozambique to provide access to quality Higher Education to Mozambican students through various scholarship schemes awarded to students from Individual institutions seeking admission to the partner University.

**Student Mobility:** Marwadi University was granted funding under the ERASMUS+ Program (an initiative of the European Commission) which includes bilateral staff exchange, unilateral student exchange, and collaborative research projects. The Mobility Programmes enhance the learning experience of students by exposing them to the cultural, economic, political, educational, and ecological aspects of other countries in order to develop global mindsets for career advancement and success in any environment.

Marwadi University has been shortlisted as one of the top 10 institutes for a grant of ₹. 10 Cr. for establishing a 100 bedded Study In India hostel at the campus under the Champion Services Sector Scheme (CSSS) of the Ministry of Commerce, Govt of India.

**Culture Exchange:** Foreign students at Marwadi University celebrate Navratri, Diwali, Holi, Lok Mela, and Gujarat's well-known kite festivals. When different nations celebrate their national days at Marwadi University, Indian students have the opportunity to learn about their cultures' cuisines, economies, and histories. At Marwadi University, students from Tanzania, Mozambique, Ethiopia, and Bangladesh commemorate their Independence Day as a national holiday. On this day, the University encourages embassy officials and students to create special cultural activities, presentations about their nation, and special food for their guests. As a result, Marwadi University has evolved into a Global village where all races, religions, and cultures are treated equally.

**Industry and Trade:** Based on the collaboration with various Hungary Universities and the diversity on campus, the Embassy of Hungary decided to organize Hungary Day at Marwadi University and created a Market Place to showcase life in Hungary. The Ambassador of Hungary and officials of the University remained present for the discussion. Officials from Mozambique organized trade meetings with businessmen of the Rajkot region for the opportunity in doing business with Mozambique.

**Student Ambassador Program:** Marwadi University has appointed student ambassadors from various countries who act as ambassadors of Marwadi University in their country. They give critical, on-ground information to aspiring students of their country and not only provide them with information about India, campus life and education at Marwadi University, but they also receive them and make their initial days comfortable at the University.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

Marwadi University has a clear focus on providing quality education to a larger community through faculty training, identifying fast and slow learners through AI to provide additional learning opportunities, a special training program for placements and a plethora of students' preferred open electives.

University has partnered with edtech companies like TCS, Upgrade Campuses, CCC to offer specialized hi-tech programs through industry professionals. A full license of Coursera helps students to take courses from 10,000+ online courses offered by the top Universities of the world.

Indigenously developed technology modules to assess the Listening, Speaking, Writing and Reading (LSRW) skills of every student have helped made reforms in the curriculum to offer innovative courses to address the individual needs of students with different communication skills studying in the same class and thereby resolve challenges of improving communication skills of 70% students coming from vernacular medium and creating interest for those who are excellent in communication.

MU is a member of the Association of Indian University, Association of Commonwealth Universities and Aus NZ Association creating international collaboration opportunities. Diverse programs like SPIC MACAY promoting arts are regular happenings on campus.

Marwadi University is a 100% paperless Institute implementing the in-house developed UniRP for its administration and the modules developed are now adopted by various Institutes of National Importance and high-rated institutes. National Hackathon will be conducted for the students on the important 17 SDGS which is important to the Institute and/ or to the society in collaboration with NSS and NCC by cash prizes to solve the problems and development of the prototype.

MU campus exhibits a diversified global atmosphere where 52 nationalities live in harmony and happiness to experience the culture of the regions and it works towards the economic growth of the region. Strategic international partnership offers the most enriching global exposure with an opportunity to take part in exchange programs, research and semester exchange opportunities. The Institute has a university wellness program for its stakeholders to teach Yoga, a lunchtime fitness program, a cycling marathon to improve the individual's health and many employee-friendly initiatives to create family atmospheres on campus.

### **Concluding Remarks :**

Marwadi University received the 'Center of Excellence' status as the youngest University (6 years) of Gujarat and have established it as the most preferred University in the region. It aspires to emerge at national level University with Industry supported labs, multi-disciplinary research, focus on internationalization, partnership with Edtech companies, Automation and student collaboration on projects.

Following its core value of Lifelong learning, University trains faculties in new pedagogical teaching through FDPs to convert rote learning into project and outcome based education. University ERP system maps every question in student assessment with its Course Outcome to calculate attainment and help strategize teaching and delivery strategy for the next batch of students.



The newly joined faculties receive MU seed grant and can also avail and create possibilities for the innovation and entrepreneurship through DST grant of NewGen IEDC. Faculty Industry Immersion Program (FIIP) facilitates the faculties to gain the industrial experience to solve the real world problem of the students at University labs. Rajkot has emerged as a destination for small and medium scale industries which will create a platform and an ecosystem for students innovation and entrepreneurship.

Active Women Cell team of MU has helped improving the gender ratio among staff and students and females on campus are witnessing respect, recreation and empowerment through policy, processes, events and opportunities.

In line with AICTE Environmental Policies, Marwadi University has prepared policies for conservation and management of **Water, rain water, Solid and Liquid waste management, waste recycling, solar panels for alternate and renewable energy and** circulated among the stakeholders for awareness and implementation to follow and evidenced it by the receipt of green and environmental audit awards from ASSOCHAM .

MU received the Best Emerging University, Best University for Technology Adoption awards, Best Law School award by Forbes Magazine and has also placed its mark in Top Rankings by Outlook, Career 360 degree.

The Institute constantly engages in self-analysis through various practices like ERP tools and interaction with stake holders for continuous improvement resulting in the University to move from strength to strength and impacted the society through Education, Ideas, Research, and Training.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.3	<p><b>Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years</b></p> <p>1.1.3.1. Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1285</td> <td>1061</td> <td>936</td> <td>717</td> <td>394</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1081</td> <td>840</td> <td>729</td> <td>525</td> <td>292</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	1285	1061	936	717	394	2021-22	2020-21	2019-20	2018-19	2017-18	1081	840	729	525	292
2021-22	2020-21	2019-20	2018-19	2017-18																	
1285	1061	936	717	394																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
1081	840	729	525	292																	
1.2.1	<p><b>Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</b></p> <p>1.2.1.1. <b>How many new courses were introduced within the last five years.</b>            Answer before DVV Verification : 1215            Answer after DVV Verification: 1037</p> <p>1.2.1.2. <b>Number of courses offered by the institution across all programmes during the last five years.</b>            Answer before DVV Verification : 1537            Answer after DVV Verification: 1284</p>																				
2.1.1	<p><b>Demand Ratio (Average of last five years)</b></p> <p>2.1.1.1. <b>Number of seats available year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>2587</td> <td>1694</td> <td>1404</td> <td>1406</td> <td>1058</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>2704</td> <td>1794</td> <td>1509</td> <td>1523</td> <td>1062</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	2587	1694	1404	1406	1058	2021-22	2020-21	2019-20	2018-19	2017-18	2704	1794	1509	1523	1062
2021-22	2020-21	2019-20	2018-19	2017-18																	
2587	1694	1404	1406	1058																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
2704	1794	1509	1523	1062																	
2.1.2	<p><b>Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years</b></p>																				

**(Excluding Supernumerary Seats)****2.1.2.1. Number of actual students admitted from the reserved categories year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
541	337	344	298	248

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
541	337	344	298	249

Remark : Values have ben updated as per attachment

**2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year )****2.3.3.1. Number of mentors ?????????????? ???????**

Answer before DVV Verification : 346

Answer after DVV Verification: 342

Remark : Values have ben updated as per attachment n EP 3.3

**2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)****2.4.3.1. Total experience of full-time teachers**

Answer before DVV Verification : 3890

Answer after DVV Verification: 3881.9

**2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years****2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
18	13	9	4	10

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
16	11	8	4	8

3.1.6	<p><b>Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)</b></p> <p><b>3.1.6.1. The Number of departments with UGC-SAP, CAS, DST-FIST , DBT, ICSSR and other similar recognitions by national and international agencies.</b>          Answer before DVV Verification : 4          Answer after DVV Verification: 4</p> <p>Remark : Value has been updated as per attachment</p>																				
3.3.3	<p><b>Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.</b></p> <p><b>3.3.3.1. Total number of awards / recognitions received for <i>research</i> / innovations won by institution / teachers / research scholars / students year-wise during the last five years.</b>          Answer before DVV Verification:</p> <table border="1" data-bbox="306 869 1046 1003"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>61</td> <td>34</td> <td>38</td> <td>36</td> <td>24</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1081 1046 1216"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>61</td> <td>34</td> <td>38</td> <td>36</td> <td>24</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	61	34	38	36	24	2021-22	2020-21	2019-20	2018-19	2017-18	61	34	38	36	24
2021-22	2020-21	2019-20	2018-19	2017-18																	
61	34	38	36	24																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
61	34	38	36	24																	
3.4.4	<p><b>Number of Ph.D's awarded per teacher during the last five years.</b></p> <p><b>3.4.4.1. How many Ph.D's are awarded within last five years.</b>          Answer before DVV Verification : 753          Answer after DVV Verification: 17</p> <p><b>3.4.4.2. Number of teachers recognized as guides during the last five years</b>          Answer before DVV Verification : 102</p>																				
3.4.5	<p><b>Number of research papers per teachers in the Journals notified on UGC website during the last five years</b></p> <p><b>3.4.5.1. Number of research papers in the Journals notified on UGC website during the last five years.</b>          Answer before DVV Verification:</p> <table border="1" data-bbox="306 1776 1046 1910"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>110</td> <td>80</td> <td>81</td> <td>53</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1989 1046 2089"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	120	110	80	81	53	2021-22	2020-21	2019-20	2018-19	2017-18					
2021-22	2020-21	2019-20	2018-19	2017-18																	
120	110	80	81	53																	
2021-22	2020-21	2019-20	2018-19	2017-18																	

98	89	64	63	38
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Remark : Values updated as per relevant entries

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
84	76	84	54	29

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
77	72	82	51	24

Remark : Values updated as per attachment

**3.6.2 Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years**

**3.6.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
15	5	3	6	5

Answer After DVV Verification :

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

Remark : Values have been updated considering relevant recognitions/Awards

**3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

**3.6.3.1. Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years**

Answer before DVV Verification:

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

24	13	15	22	8
----	----	----	----	---

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
48	22	22	29	24

3.6.4 **Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years**

3.6.4.1. **Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
2242	598	5321	3203	1549

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
3436	977	5445	3643	2260

4.1.4 **Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)**

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
2294.36	2740.92	3162.29	5792.76	6551.83

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
2294.36	2740.92	3162.29	5792.76	6551.83

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

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

Answer before DVV Verification : 1163

Answer after DVV Verification: 2573

4.3.1 **Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic**

year)

**4.3.1.1. Number of classrooms and seminar halls with ICT facilities**

Answer before DVV Verification : 271

Answer after DVV Verification: 145

**4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years**

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
653.70	374.55	595.52	687.62	486.56

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1559.06	1118.81	2226.24	2074.76	1093.02

**5.3.1 Number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) during the last five years.**

**5.3.1.1. Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
327	16	9	285	299

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
39	10	7	45	35

**5.3.3 Average number of sports and cultural events / competitions organised by the institution per year**

**5.3.3.1. Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.**

Answer before DVV Verification:

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

129	78	40	96	93
-----	----	----	----	----

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
84	66	24	37	31

Remark : Values have been updated considering events, rather than activities .

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
222	152	209	174	139

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
190	147	203	170	137

Remark : Value have been updated as per attachment

**6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.**

**6.3.3.1. Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
35	33	38	37	36

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
49	44	59	49	53

**6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).**



**6.3.4.1. Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
262	200	157	139	119

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
249	130	152	130	96

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b>Number of programs offered year-wise for last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>29</td> <td>28</td> <td>27</td> <td>25</td> <td>18</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>29</td> <td>28</td> <td>26</td> <td>19</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	29	28	27	25	18	2021-22	2020-21	2019-20	2018-19	2017-18	30	29	28	26	19
2021-22	2020-21	2019-20	2018-19	2017-18																	
29	28	27	25	18																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
30	29	28	26	19																	
2.1	<p><b>Number of courses in all programs year-wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1537</td> <td>1202</td> <td>1051</td> <td>778</td> <td>453</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1284</td> <td>995</td> <td>851</td> <td>583</td> <td>323</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	1537	1202	1051	778	453	2021-22	2020-21	2019-20	2018-19	2017-18	1284	995	851	583	323
2021-22	2020-21	2019-20	2018-19	2017-18																	
1537	1202	1051	778	453																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
1284	995	851	583	323																	
2.2	<p><b>Number of full time teachers year-wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>346</td> <td>278</td> <td>233</td> <td>194</td> <td>152</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p>	2021-22	2020-21	2019-20	2018-19	2017-18	346	278	233	194	152										
2021-22	2020-21	2019-20	2018-19	2017-18																	
346	278	233	194	152																	

2021-22	2020-21	2019-20	2018-19	2017-18
342	274	229	177	140

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
596	395	374	322	278

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1338	888	747	696	526

3.3 **Total number of classrooms and seminar halls**

Answer before DVV Verification : 271

Answer after DVV Verification : 145

3.5 **Total Expenditure excluding salary year-wise during last five years ( INR in Lakhs)**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
6824.16	4643.30	5366.77	4685.21	3893.34

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
5544.06	3498.59	4130.78	3513.28	2902.9