SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES

SECTOR-43, ARAVALI-HILLS, DELHI-SURAJKUND ROAD, FARIDABAD
121003
www.mriirs.edu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

August 2022

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

With a mission to become a Mantle of Excellence for Higher Education to transform aspiring talent into skilled and well-rounded professionals, Career Institute of Technology & Management (CITM) was established in 1997. The College made rapid strides and was soon considered as one of the most preferred destinations for students seeking admission to engineering and management programmes in the State. The College was affiliated to Maharshi Dayanand University, a State University of Haryana and excelled through remarkable placements, best academic results and outstanding research and development practices. Based on its outstanding track record, CITM was accorded the status of a Deemed University under Section 3 of UGC Act, 1956 by the Ministry of Human Resource Development, Government of India in 2008 in the name of Manav Rachna International University (MRIU) vide its letter no.F.9-3/2007-U-3(A) dated 21.10.2008.

MRIU registered a phenomenal growth in academics, research and development, institutional social responsibility, student support and progression, leadership and governance and environmental consciousness. MRIU got accredited in its 1st Cycle by NAAC with “A” Grade in November 2015.

Further, on the directions of Hon’ble Supreme Court of India and on the advice of UGC, the Central Government (MHRD) vide letter no. F.9-3/2007-U-3(A) dated 11.01.2018 changed the name of “Manav Rachna International University”, Faridabad to “Manav Rachna International Institute of Research and Studies” (MRIIRS), Faridabad. Thereafter, Manav Rachna Dental College (MRDC) which was earlier affiliated to Pt. B. D. Sharma University of Health Sciences, Rohtak came under the ambit of the Manav Rachna International Institute of Research and Studies as a Constituent Institution vide MHRD Notification F.10-6/2016-U3(A) dated 13th May, 2019.

MRIIRS was accorded **12B status** vide UGC letter No. F.No.22-1/2019 (CPP-I/DU) dated 10-06-2020.

MRIIRS has successfully contributed towards multidimensional development of future professionals with a clear focus on positive thinking and self confidence by constantly evolving in quality education.

The Internal Quality Assurance Cell plays a pivotal role in quality assurance, sustenance and enhancement through many initiatives in the University and is fully committed to creating, executing and disseminating the university’s quality mission absolutely in line with the norms for overall growth and development.

Vision

Manav Rachna International Institute of Research and Studies (MRIIRS) is dedicated and committed to train and equip its students with the latest knowledge and skills in the chosen fields in the backdrop of Indian ethos and values to enable them to face any global challenge with a view to transforming them into insightful, honourable and responsible citizens of this great country; and imbibe a work culture of theoretical and applied research leading to creation and dissemination of knowledge.

Mission

To provide an environment in which teachers love to facilitate and students love to learn, consisting of infrastructure facilities at par with the best institutions in India and abroad with the aim

- To inculcate skills and impart knowledge to the ignited minds in the fields of science & technology and soft skills including leadership, team-building and communication.
- To create human beings with golden heart, who work and dedicate themselves for the advancement of humanity.

To undertake research and development activities in collaboration with the world of work leading to creation of new knowledge in the fields of science, commerce, humanities, engineering & technology, management, health sciences & therapies, sports, multi-media, applied & performing arts.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. A World Class University offering multi-disciplinary courses at UG, PG and PhD level with a focus on life empowering skills through Outcome Based Education and valued added courses including MOOCs.
2. Well provided facilities including ICT enabled classrooms, well-equipped laboratories, rich library with remote access, sports infrastructure, on-campus hostels, digitalized operations, and a vibrant campus culture allowing for all-round development of students and faculty through sports, cultural, extra, and co-curricular activities.
3. Tie-ups with internationally recognized academic institutions for knowledge exchange, and association established business organizations for programs, trainings, internships, and placements.
4. Regularly revised and evolved curriculum in line with changing technology and business practices delivered by highly qualified and experienced faculty members.
5. A strong mechanism for student services: Career Development Centre for grooming and career guidance; Corporate Resource Centre for placements; and Student Facilitation Centre for student support with respect to the University’s operations
6. A holistic feedback process with inputs from students, faculty members, alumni, and employers, with an active and erudite board of advisors with experienced stalwarts from academia and the industry
7. Commitment to community development and environmental sustainability manifested and inculcated in students through their participation in social responsibility initiatives, extension activities, and a strong green mission policy to manage energy and water consumption.
8. Incentivization of research for students and faculty leading to publications, patents, consultancy assignments, and entrepreneurial ventures.
9. Democratic governance, academic freedom, and opportunities for career growth and development of associates.
10. Significant and noteworthy brand equity with improved year on year ranking in NIRF and participation in several other ranking frameworks.

Institutional Weakness

1. Not being a fully residential campus precludes many students from having an action-packed schedule involving activities beyond classroom and taking up value added courses.
2. Limited representation of faculty with Ph.Ds. from leading universities within India and abroad.

3. Lack of a more animated support from the expanding illustrious alumni base in India and around the world, especially for student training and job readiness.
4. Restricted implementation of CBCS for want of adequate resources and time constraints
5. A large scope of improvement in research and patent filing by students and teachers.
6. Focus needed on job enrichment and job expansion to build efficacy, especially for academic profiles.
7. Lack of interest shown by academically strong students with high percentile and/ or percentage in qualifying examinations.
8. Lack of interest shown by students from far flung geographical areas.

Institutional Opportunity

1. Binding all departments for enhanced multidisciplinary and interdisciplinary exchange.
2. Avenues for tie-ups up with dedicated education verticals of leading IT companies like Microsoft, IBM, BSE and others in teaching and training.
3. Bringing high-end technology courses based on AI, ML, analytics and IoT even in management and business studies as a *sine qua non.*
4. Developing and institutionalizing systems to attract and retain pool of expert faculty and staff.
5. Enhancing interdisciplinary research through faculty training, formation of work groups, and international collaborations for faculty exchange, research, and research output.
6. Providing student participation and leadership opportunities by including them in various academic and administrative bodies/ committees.
7. An increasing opportunity to build association with state and community organizations for extension activities, leading to experiential learning for students and assisting them in making a career in public service.
8. Harnessing the enlarged pool of students who are now willing to pursue dual degrees, online degrees, and certification programs
9. Catering to demand in niche upcoming areas such as culinary arts, liberal arts, nanotechnology etc., by introducing new programs.

Institutional Challenge

1. Very high premium on land cost in the vicinity that prevents the university from expanding its size for fully residential facilities.
2. Innate reluctance of students to undertake the path to entrepreneurship.
3. Deficiency in consultancy projects and research grants from government bodies and industry.
4. Overcoming the image of being a regionalized institution in the immediate community.
5. Competition from regional, online, and foreign institutions, especially in the light of fortified online and hybrid modes of teaching after the pandemic.
6. Expanding alumni connect, especially with those from much older batches, due to changes in city or country of residence, contact details, and employer.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

MRIIRS is offering UG, PG and Ph.D. programmes in the broad areas of Engineering, Management, Social Sciences, Allied Health Sciences and other consanguine areas. MRIIRS has had the privilege of guidance from eminent academics and practitioners from India and abroad. Emphasis is laid to design our curriculum which is industry-relevant, add to the employability of students and promote entrepreneurship. We have knowledge partnerships with organizations like IBM, Microsoft, Bombay Stock Exchange and other international universities. The Programme Education Objectives (PEOs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) have been designed accordingly for better quality academic delivery.

Academic flexibility was adopted through an elective system since inception and the implementation of Choice Based Credit System (CBCS) from 2015 in conformance with the directions of the UGC. Flexibility is given in the form of elective courses to be opted by following CBCS structure which provides a 'cafeteria' type approach in which the students can take courses of their choice, learn at their own pace, opt for additional courses and acquire more credits, and can adopt an interdisciplinary approach to learning.

Courses and programmes in MRIIRS have been designed to comply with the principles of Outcomes Based Teaching and Learning. The curriculum subtly subsumes paramount issues like value of ethics, gender equality, environmental sustainability. Based on the inputs received from the various stakeholder viz students, faculty, alumni and employer about the new emerging areas, the departments have the autonomy to introduce new course/revise existing course(s) through their Board of Studies (BoS) with the approval of Academic Council of the University. Keeping in view the requirements of giving additional inputs towards life skills, sustainability and emerging areas, each department and other prominent cells of the university regularly offer value-added/certificate beyond curricula courses. The quality of course delivery remains in check with the feedback systems used in MRIIRS. The reports of all programs including the Value-added Courses offered by the departments of the University during the academic year are shared and discussed in the IQAC. In addition, industrial training is an integral part of the curriculum of UG and PG programmes.

Teaching-learning and Evaluation

MRIIRS has always strived to incorporate new-age practices in its pedagogical processes. With the involvement of ICT and contemporary teaching methodologies, lesson plans are made for every course to ensure outcome based academic delivery.

The diverse mix of student population is enrolled via transparent online admission process followed through an Education Management System (EMS). To establish the benchmarked connect, the student teacher ratio is maintained at 12:1 with the majority of faculty members possessing a teaching experience of 10+ yrs. A rigorous system of peer group vertical mentoring integrated with teacher-student mentoring is followed strictly as per norms.

Learner centric education is ensured while incorporating experiential, participative and problem-solving methodologies through case studies, live/field projects, industrial visits/internships, lab work, webinars, conferences, quizzes, soft skill and personality development classes, enrolment in MOOCs for ICT based collaborative learning, research paper writing etc. Students are guided to earn credits through MOOCs from online learning platforms like SWAYAM/NPTEL, Coursera, IIRS-ISRO, Udemy etc.

MRIIRS is committed to train and equip both advanced and slow learners to enable them to embark on a successful career. Slow learners are guided to improve their performance through customized initiatives

including remedial classes, peer group learning and one-to-one sessions whereas advanced learners are encouraged to perform challenging tasks.

Intensive use of ICT enabled tools and e-resources for blended learning, demonstrations and practical simulations through virtual labs, softwares, live digital assignments and recording assessments on EMS focussing on activity based learning are an integral part of the pedagogy along with extracurricular and skill development programs.

Examination processes are automated through EMS to speed up the mechanism and the branch has been certified by ISO 9001:2015 as a result of substantial impact on quality, reliability and timeliness. The progress reports of students are communicated at the regular intervals through the EMS and the evaluation methods, schedules and other necessary information is communicated to the stakeholders through the Student Hand book. A well-structured process has been established to compute the attainment of Course-Outcomes, Program-Outcomes and Program-Specific-Outcomes using both direct and indirect tools. MRIIRS has an excellent pass percentage of 90.66% (regular-programmes) in 2020-21.

Research, Innovations and Extension

MRIIRS believes in touching and transforming every life through academically sound, intellectually inspiring and supportive environment which ushers innovative, academic and applied research within and cross-domain disciplines. To promote a research culture as a testimony of its commitment towards excellence, Research Innovation and Incubation Policy augmented by necessary infrastructure, aids the eco-system to stimulate quality research in emerging areas. In last 5 years, MRIIRS has been generously providing and expending seed money to encourage researchers from all cohorts and has contributed Rs 100.26 lakhs as seed money grant. The research policy has facilitated generation of Rs.722 lakhs, as sponsored research and extramural grants during last five years. The Manav Rachna NewGen IEDC funded by NSTEDB has contributed towards the creation of Innovation ecosystem and has led to 47 start-ups, 10 granted-patents, 56 published-patents with 100 awards and recognition won at various national and international platforms.

Incentive scheme for encouraging the faculty members for quality publication was launched in 2016. With constant mentoring, faculty members and students have published 819 research papers indexed in SCOPUS, 131 in WoS and 200 in others, during the last 5 years, with overall Scopus H-index of 28. The well-entrenched Ph.D. programme has awarded degrees to 169 scholars during the last five years.

The Policy for Consultancy and Corporate Training provides academic freedom, creativity and a conducive environment to faculty members to take up projects and has earned Rs 547.78 lakhs worth consultancy. MRIIRS has more than 40 National/International functional MoUs to its credit. Around 200+ collaborative activities were conducted with other institutions/ research establishment/industry for research and academic development. Centre of Excellences especially on Water has contributed immensely for industry, district administration and Haryana Government and has earned several accolades with revenue of Rs 1.792 Crores.

Environment consciousness, water conservation, plantation, health clubs, blood camps, girl child education, drug de-addiction, awareness of deadly diseases are few of the areas in which MRIIRS has contributed immensely in and around Faridabad District. The institution has also supported the District Administration in combating COVID-19 with 130 extension and outreach activities for saving valuable lives and family.

Infrastructure and Learning Resources

A sprawling lush green campus spread over 21.89 acres on the outskirts of Delhi provides an ideal location to cater to students and faculty from all the neighboring regions of Faridabad and is beautifully planned in eight blocks, making best use of the geographical contours, on the slope of an Aravalli Hill.

Well-equipped laboratories, classrooms, seminar halls, auditoriums and other requisite learning arenas are aided by smart devices, Wi-Fi/LAN and LCD projectors, campus-wide internet access with 1 (one) GBPS bandwidth distributed through fibre-optics based backbone and wi-fi access points along with liberal computer resources with exclusive 1132 computer systems with latest configuration exclusively for students' use go a long way in providing a stimulating ambience.

A state-of-art library rendered with rich digital resources, necessary amenities and technological support provides a huge repository of knowledge. It has a collection of more than 120000 books, online subscription to 16 databases, 184000 eBooks, **40804** e-journals accessible through online portal and is fully automated using KOHA and RF-ID systems.

The university houses grounds for cricket, volleyball, basketball, badminton & soccer, International shooting ranges of 10m, 25m and 50m and other infrastructure gymnasiums (outdoor and indoor), squash, table-tennis, pool, Yoga and music & recreation which helps students in realizing their inherent talents and provide a unique avenue for recreation. **RASHTRIYA KHEL PROTSAHAN PURASKAR from the President of India as the best university for promoting sports bestowed on November 13, 2021** is a testimony to the university's commitment in fostering talent.

Separate in-campus hostels for boys & girl's, multiple options for daily meals, a Nationalized Bank Branch and its ATM, more than 400 CCTVs and security guard, in-campus clinic and ambulance, OPDs for dental and physiotherapy, counseling clinics for nutrition & dietetics and psychology, R.O. cleaned drinking water, transport facilities contribute towards an enriching environment and a wholesome stay at the campus.

The complaints related to infrastructure repairs are received through an online based ticketing system and are resolved in an institutionalized time bound manner. More than 30% of the allotted budget has been spent on infrastructure augmentation and more than 15% on the infrastructure maintenance.

Student Support and Progression

MRIIRS believes in quality education for all the students, from varied segments of society through well-established Students' Welfare Policy and Schemes. The support in terms of scholarship/free-ships provides financial assistance to deserving and needy students. The training and placement support is ensured through its divisions viz Career Development Centre (CDC) and Corporate Resource Centre (CRC). CDC prepares students through Career Counselling, Competitive Guidance, Soft Skill Development, Technical Advancement etc. CRC ensures placement/internship opportunities.

Dean Student Welfare is actively engaged to help students in every aspect of their stay and provide motivation to participate in co-curricular and social activities. The DSW provides all support for the capacity enhancement scheme like Life Skills. More than 900 activities/capacity enhancement programs have been conducted during this period. The Grievance Redressal mechanism including sexual harassment exists as per the statutory/regulatory bodies. It receives grievances through both online and offline mode for redressal in a time

bound manner. The Internal Complaints Committee supports the individuals to address their grievance if any. MRIIRS believes in “Zero Tolerance and Ragging Free Environment” for its stakeholders (Students and Staff) with full protection and prohibition of any such act. The university has an outstanding record of achievements of its students in cultural and sporting events across the country. More than 200 cultural/sports events were organised during the last five years. Students are motivated and trained under the guidance of renowned coaches to excel in the chosen fields of sports. Students are liberally encouraged along with financial support to participate in national and international competitions. More than 300 Students have brought laurels in various events at National/Regional/International level. The Student Council constituted through the selection process, ensures transparency and democracy in the university.

The alumni association registered under Manav Rachna Vidyantariksha Foundation connects alumni to the institution. It’s Global Alumni Network started in 2020, with 7 Chapters at Delhi-India, Bangalore-India, United-Arab-Emirates (UAE), Toronto-Canada, London-UK, San-Francisco-USA, Philadelphia-USA. Regular get-togethers of alumni are held to avail of our wide alumni network to the benefit of our students. The Alumni have contributed an amount of INR 170.72 Lakhs for development during this period.

Governance, Leadership and Management

Participative management is the real essence behind the effective governance at the MRIIRS. The Vice-Chancellor is at the helm of affairs of every academic, administrative and financial function of the university and powers are delegated to Deans and Heads of Departments for an efficacious management. Meetings of the Board of Management, Academic Council, Board of Studies, Department Research Committee, Board of Faculty, Finance Committee, Planning and Monitoring Board and the Grievance Redressal Committee are regularly held for making mid-course amendments if necessitated.

The steering committee of MRIIRS is steadfast in its vision of creating responsible citizens through transformative elements of research/innovation, student-centric education and entrepreneurship. The academic and administrative governance, strategic planning, policies and practices of MRIIRS are mutually aligned to achieve this goal.

In its endeavour to achieve global and long-term excellence, the institution has defined its vision 2025. To achieve the goals, Institutional Strategic Plans have been laid down. MRIIRS has implemented E-governance in all major areas including student admissions and support, administration, finance, academics and examinations through platforms such as EMS, KOHA ILMS, Superset, Tally, Orion Patient Management System etc.

MRIIRS offers rewarding welfare schemes including Day Care Creche, fee waiver for wards of faculty/staff members, medical insurance, fee waiver for Ph.D enrolment, sabbaticals for higher studies, long term association rewards to faculty and staff members. Teachers are provided with financial support to attend conferences/workshops and for professional body memberships. Faculty/staff appraisal process is comprehensive and performance based.

Faculty members are regularly attending AICTE/UGC approved refresher courses, FDPs and earning MOOC certifications from SWAYAM/Coursera for professional development.

Internal quality assurance cell has contributed towards drafting/implementation of policies/procedures for all academic and administrative processes including conduct of AAA and stakeholder feedback. The outcomes of initiatives are monitored during quarterly meetings of IQAC leading towards the compilation, approval and

submission of AQARs to NAAC. The effectiveness of governance and quality processes have resulted in various prestigious rankings, ratings, accreditations and certifications including progressive NIRF Ranking, ISO Certifications, 12-B status by UGC, QS-Ratings with Five-Star Rating under Teaching, Employability, Academic Development, Facilities, Social Responsibilities and Inclusiveness categories and many more.

Institutional Values and Best Practices

MRIIRS is an all inclusive campus giving immense priority to the promotion of gender sensitivity and relentlessly promotes gender equality in the campus. To ensure safety and security of the students, an effective Counselling Cell with experienced counsellors provides support for gender issues. The institution has established Bloomz–A Day Care to support its faculty and staff. MRIIRS has always welcomed students from various walks of life and background into its campus. MRIIRS also integrates with the Dr. OP Bhalla Foundation- Manav Rachna's registered trust for upliftment of the downtrodden, providing special fee scholarship for students, 24X7 mental health helpline, Swachh Bharat & Women Empowerment initiatives, blood donation and vaccination camps etc.

The Institution has facilities for alternate sources of energy through solar (capacity: 234.72KWH) and Biogas plants. Sensor based LED lights and automatically closing taps are used for resource conservation. For managing various types of waste, the Institution has undertaken MoU's/Agreements with various waste management companies. The STP of 200 KLD capacity, Bicomposter with capacity of 75 Kg/day and Biogas Plant are installed in the campus.

As a step towards the Green Initiative, the Institution has defined, established and implemented the Environmental Policy and Green Policy as per International Standards. The institution also holds coveted recognitions of ISO 14001:2015 (Environmental Management System); ISO 50001:2011 (Energy Management); Green Audit; and Energy Audits from various certification bodies approved nationally/internationally.

The institution regularly celebrates national days of importance and religious ceremonies of all sects to promote the spirit of universal unity and inclusivity, such as Matrabhasha Diwas, National Unity Day, Guru Purnima, Ambedkar Jayanti, etc. Programmes to sensitise the basic rudiments of the Constitution of India such as Constitution Day, National Voter Day, and Universal Human values etc. are also regularly organised by the Institution. World Physiotherapy Day, National Nutrition Month, Environment Day, World Earth Day, International Women's Day are celebrated by different departments.

The institution has been implementing numerous best practices as well, like the Germination of Research and Entrepreneurial Inclination in Students. Another best practice which is nurtured at MRIIRS is "Fostering Environmental Sustainability across all Stakeholders".

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	Manav Rachna International Institute of Research and Studies
Address	Sector-43, Aravali-Hills, Delhi-Surajkund Road, Faridabad
City	Faridabad
State	Haryana
Pin	121003
Website	www.mriirs.edu.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Vice Chancellor	Sanjay Srivastava	0129-4198322	9560299099	0129-4198200	vc@mriu.edu.in
IQAC / CIQA coordinator	Rashima Mahajan	0129-4198304	9910105725	0129-4198200	director.qa@mriu.edu.in

Nature of University	
Nature of University	Deemed University

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	21-10-2008
Status Prior to Establishment,If applicable	Affiliated College
Establishment Date	28-07-1997

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	**Date**	**View Document**
2f of UGC	21-10-2008	View Document
12B of UGC	10-06-2020	View Document

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

Location, Area and Activity of Campus							
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**	**Programmes Offered**	**Date of Establishment**	**Date of Recognition by UGC/MHRD**
Main campus	Sector-43, Aravali-Hills, Delhi-Surajkund Road, Faridabad	Urban	21.89	71067	UG, PG and Ph.D		

2.2 ACADEMIC INFORMATION

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	0
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	0
Colleges with Research Departments	0
University Recognized Research Institutes/Centers	0

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)	: Yes

SRA program	Document
AICTE	105165_7383_1_1650864237.pdf
DCI	105165_7383_5_1655879875.pdf
COA	105165_7383_18_1655879594.pdf

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				74				102				216
Recruited	39	35	0	74	27	70	0	97	80	125	0	205
Yet to Recruit				0				5				11
On Contract	0	0	0	0	0	0	0	0	0	0	0	0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				165
Recruited	120	40	0	160
Yet to Recruit				5
On Contract	0	0	0	0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				56
Recruited	54	0	0	54
Yet to Recruit				2
On Contract	0	0	0	0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	34	35	0	22	65	0	22	45	0	223
M.Phil.	0	0	0	0	1	0	1	4	0	6
PG	5	0	0	5	4	0	57	76	0	147
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
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

Part Time Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
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

	Male	**Female**	**Others**	**Total**
Emeritus Professor	3	0	0	3
Adjunct Professor	7	0	0	7
Visiting Professor	7	4	0	11

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	Civil Engineering	Water Technology	Manav Rachna International Institute of Research and Studies
2	Commerce	Environmental Social Governance	Hare Krishna International 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	1074	1143	7	2	2226
	Female	650	698	3	1	1352
	Others	0	0	0	0	0
PG	Male	129	120	0	0	249
	Female	165	181	0	0	346
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	53	82	0	6	141
	Female	175	176	0	2	353
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	No

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	Nill
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

Accreditation Details

Cycle Info	Accreditation	Grade	CGPA	Upload Peer Team Report
Cycle 1	Accreditation	A	3.05	NAAC Peer Team Visit Report 29-31 October 2022.pdf

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Applied Psychology	View Document
Architecture And Design	View Document
Biotechnology	View Document
Business Studies	View Document
Civil Engineering	View Document
Commerce	View Document
Computer Applications	View Document
Computer Science And Engineering	View Document
Conservative Dentistry	View Document
Council For Doctoral Programme	View Document
Dental Sciences	View Document
Economics	View Document
Electrical And Electronics Engineering	View Document
Electronics And Communication Engineering	View Document
English	View Document
Hotel Management	View Document
Journalism And Mass Communication	View Document
Management Studies	View Document
Mechanical Engineering	View Document
Nutrition And Dietetics	View Document
Orthodontics	View Document
Pediatric And Preventive Dentistry	View Document
Periodontics	View Document
Physiotherapy	View Document
Prosthodontics	View Document
Social And Political Studies	View Document

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Manav Rachna International Institute of Research and Studies is a multidisciplinary university which follows high-quality interdisciplinary/multidisciplinary approach in its curricula and pedagogy in line with the NEP 2020 requirements. Aspiring for the highest global standards in quality education, the University offers a wide range of courses with ample options to select the courses of their choice from an open elective basket viz. Engineering, Science, Social Sciences, Behavioural Sciences, Health Sciences, Management, and many others. The interdisciplinary/ multidisciplinary approach in curricula and pedagogy inputs by varied experts provides a better understanding of how different subjects co-relate in real life applications. MRIIRS has adopted a three -pronged approach in this regard: a. Flexibility in Curriculum (CBCS): i. The students enrolled under any programme have the option to choose courses offered by other departments up to 30% of their total required credits for award of degree. ii. The interdepartmental course choices have also been extended to MOOC courses. iii. Teachers (Professors/Researchers) from different areas are encouraged to take interdisciplinary modules to broaden the students' outlook. iv. Post NEP 2020, the concepts of Major and Minor have also been introduced across various programmes. v. The different departments regularly organize various activities/competitions/workshops on specialized subject/topic that is attended by students across the university from different departments, to learn a skill or gain certifications outside their department/specialization. b. Multidisciplinary / Interdisciplinary Research: i. The faculty members, along with students, undertake research projects by bringing together students and faculty experts from different departments to address the research problem from a holistic perspective. To illustrate, a research project funded by Government agencies like ICSSR, Department of Science, GOI, and Govt. of Haryana, on environment was recently undertaken jointly by the department of Bioscience, Civil Engineering, Economics, Liberal Arts and Media to identify, strategize and implement the project deliverables. ii. To boost Design Thinking capabilities of the students and to foster a culture of creative/incremental research during their student-hood at MRIIRS, an

	interdisciplinary model of a 03-course sequence has been established requiring active participation and collaboration among students. The underlining thought is to impart empathy for diverse audiences as a means of solving a wide range of problems. It is designed to improve creativity by exploring new ways of identifying core problems and generating and testing multiple practical solutions to real-world business and societal problems. These courses aim to build relationships with a diverse group of peers who can provide wide-ranging insights into one's business challenges and career decisions. c. Manav Rachna Research, Innovation, and Incubation Center (MRIIC): i. The University has set up the MRIIC to channelize research outcomes into a possible business. So far, several innovative ideas have been successfully developed using the expertise of two or more departments. ii. Many startups from MRIIC that have come up under NewGen Innovation and Entrepreneurship Development Centre (NewGen IEDC) with funding from Govt. are based on innovative ideas from the students of different disciplines.
2. Academic bank of credits (ABC):	The University Grants Commission (UGC) on July 28, 2021, notified ABC and issued the UGC (Establishment and Operation of Academic Bank of Credits in Higher Education) Regulations, 2021. Academic Bank of Credits (ABC) is a virtual/digital storehouse that contains the information of the credits earned by individual students throughout their learning journey. It will enable students to open their accounts and give multiple options for entering and leaving colleges or universities. There will be "multiple exits" & "multiple entries" during the higher education tenure & credits will be transferred through the ABC seamlessly. ABC can be considered as an authentic reference to check the credit record of any student at any given point in time in the virtual /digital form. As per NEP all the universities/Institutes are asked to maintain a digital repository of credits earned by the students. MRIIRS has taken the following steps in this regard: a. Adoption of National Academic Depository – Digital Locker (NAD) System: In line with the UGC norms, the National Academic Depository-Digital Locker (NAD) system is in place since 25th July,2020 and 2528 records have already been processed and

	published on National Academic Depository-Digital Locker (NAD- https://nad.digilocker.gov.in/) till 22nd July 2022. b. Sensitization of students to Digi Lockers: The students are briefed about DigiLockers during their orientation program and given information through emails and posters across the University. At Manav Rachna, students are informed that: i. DigiLocker is a key initiative under Digital India, the government of India's flagship program aimed at transforming India into a digitally empowered society and knowledge economy. ii. DigiLocker ties into Digital India's vision of providing citizens a shareable private space on a public cloud and making all documents/certificates available on this cloud. iii. DigiLocker is a platform for the issuance and verification of documents & certificates in a digital way, thus eliminating the use of physical documents. c. Accepting students based on transfer of credits: At MRIIRS, we are generously accepting and admitting students from other universities/institutions in the later semesters/years of studies with the transfer of credits for the courses studied at the donor universities to our system, as per well established system and procedures.
3. Skill development:	The following initiatives have been undertaken in the University's quest for skill development: a. Robust curricula: All programs offered at MRIIRS include courses that are aligned with industry's demands, and aim at augmenting employability, entrepreneurship, and skill development. b. Industry – Academia collaboration: for curriculum designing, skill assessment, training of faculty and students, industry projects etc. c. Skill based value-add courses: Encouragement to students to enroll in skill-based Value-Added Courses, Open Electives and MOOC courses to up-skill themselves with latest trends and technologies. d. Experiential learning: Real-time hands-on experience provided and case study discussions conducted in association with corporate giants such as Microsoft, IBM, CISCO, Amazon, Intel, Mitsubishi, Honda, BSE, Spencer's etc. e. Project competitions: National and International level competitions conducted; Smart India Hackathons, Toycathon, Cyber Security Hackathon conducted in collaboration with the Government f. International Scratch Olympiad: MRIIRS performed the role of National operator g. Tie ups: i. Institute of Company

	Secretaries of India (ICSI):for knowledge and skill sharing in the areas of joint academic research, workshops, and professional development programs ii. Tie up with CISCO: for launching NETACAD for enhancing IT skills in students iii. Ui Path: for upskilling in Robotic Process Automation iv. GitHub: for providing student developer pack at no cost h. Other collaborations for training, research, and innovation in collaboration with organizations: i. Mitsubishi Authorized Training Centre: For latest automation products of MEI ii. Automotive Training Centre in association with Honda Motorcycle and Scooter India Pvt. Ltd.: for imparting high-end skills required in auto sector iii. Centre of Excellence for Solar PV Skills: in collaboration with Electronics Skill Sector Council of India (ESSCI), and Applied Materials Inc. to impart high-quality training for Solar Roof Top design iv. NVIDIA, Intel, and Texas Instruments: for training and research in Embedded Systems, Artificial Intelligence, and Internet of Things i. Other Initiatives: i. Agreement with National Skill Development Corporation (NSDC) through 5 sector Skill Councils: • Sports, Physical Education and Fitness and Leisure Skill Council (SPEFL-SC). • Retail Association Skill Council of India (RASCI) • Electronics Skill Sector Council of India (ESSCI) ii. Tie up with NSDC and Business Sweden (a network of 150 member organizations) for setting up Skill Centers iii. Collaboration with NSDC and Kedman Skilled India Pvt. Ltd (joint venture between Manav Rachna and KED, Sweden) for vocational skill training of children across 100 Haryana Government schools, and investment in infrastructure, civil work, and IT equipment. iv. Skill development as Corporate Social Responsibility: Through two MoUs signed at the International Conference on Corporate Social Responsibility in New Delhi organized jointly by NSDC, Swedish Chamber of Commerce India, ASSOCHAM India and SkillEd India. v. Association with Special Olympics Bharat: National Coaching Camp in Table Tennis hosted by MRIIRS as the knowledge partner of Special Olympics Bharat, bringing together 72 athletes and 32 coaches from over 14 states. Culminating with the organization in their resolution towards inclusion, the camp culminated in presence of Dr. Mallika Nadda, Chairperson, Special Olympics Bharat

4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The NEP 2020 provides policy guidance to all HEIs to promote Indian arts and culture to develop competencies in cultural awareness and expression among students. This will enforce a sense of identity, belonging and appreciation of other cultures and identities of the country, than their own. The policy guidelines are in sync with the philosophy of the university that is reflected in the name itself – Manav Rachna – which means 'Creating Humanity'. The highlights of integration of Indian Knowledge System in education at MRIIRS are: a. Comprehensive involvement: The students of MRIIRS get holistic education through experiences in classrooms, sports field, cultural clubs, and Research Innovation Cell (RIC), where the integration of the Indian Knowledge System is seamless. b. Inclusion in curriculum: A variety of subjects like Yoga, Vedic Math, Ayurveda, and ancient texts, are part of the programmes offered by Departments of Health Science and Dietetics, Social Science, Humanities and Media Studies. The curriculum includes teaching and practice of traditional Indian theories like Chankya's Arthshastra (political theory), Sadharnikarna (communication theory) and conducting Doctoral level research on ancient texts such as Mahabharata, Ramayana, etc. c. Center for Translation Studies: The center set up by university aims to preserve and promote Indian languages, literature, films, and knowledge products; and develop high quality study material in different Indian languages. The Center has planned to undertake translation of textbooks for Engineering and Media Studies and has begun organizing workshops at national level to promote translation of important books into regional languages and bring out dictionaries in regional languages. d. Traditional Sports: The Sports Center of the University is committed to provide opportunities to the traditional sports like Kho-Kho. A National Kho-Kho coach Development Program, organised by the Kho-Kho Federation of India in 2021, was held by the University and was inaugurated by the Sports Minister of India. The teams and coaches underwent training for two weeks in the University, where they were hosted. The team was preparing for forthcoming Olympics team selection. Adopting the multi-disciplinary approach, this training was conducted by the Department of

	Sports Science along with Departments of Physiotherapy, Psychology, and Journalism and Mass Communication. The Department of Hospitality provided the sports diet for the players, as per the standard requirement. e. Cultural Exchange Programs: The university is a part of the 'Ek Bharat Shrestha Bharat', a government initiative towards student's cultural exchange program leading to an understanding and appreciation of diversity, culture, traditions, and knowledge of different parts of India. This initiative is linked to the NEP Policy recognizing that the knowledge of the rich diversity of India should be imbibed firsthand by learners, through simple activities like visits by students to different parts of the country. MRIIRS was identified as one of the educational institutions that have participated in the exchange program with university of Telangana, in 2022.
5. Focus on Outcome based education (OBE):	University always strives for meeting the growing expectations of all stakeholders viz; students, parents, alumni, faculty members and employers in tune with the ever-changing demands of workplace. The curriculum of all the programs have been articulated and developed with a philosophy of Outcome Based Education (OBE) with flexibility following Choice Based Credit System (CBCS). Some highlights of the curricula at MRIIRS: a. Well defined outcomes: The Program Educational Objectives (PEOs), program outcome, Program Specific Outcomes (PSOs) and Course Outcomes (COs) (as per Bloom's Taxonomy) of all programs and courses are well defined and mapped to the respective department's vision and requirements of all stakeholders. In addition: i. The framework includes subject-specific skills and generic skills including transferable global skills and competencies ii. It emphasizes on the local, national, and global imperatives besides enabling and supporting an all-round development of the student which transcends beyond the classroom. iii. The curriculum is prepared with special focus on social, ethical, and environmental context. b. Continuous development and revision: Based on the feedback of the stakeholders, the curriculum is periodically studied, and revisions are recommended by Board of Studies through Board of Faculty for its final approval by Academic Council. c. Monitoring the progress: The university has a well-structured

	assessment process in place to compute the attainment of COs, POs, PSOs and PEOs using Education Management System. Every effort is done to ensure attainment of COs and POs.
6. Distance education/online education:	The recent rise in epidemics and pandemics necessitates that we are ready with alternative modes of quality education whenever and wherever traditional and in-person modes of education are not possible. In this regard, the National Education Policy 2020 recognizes the importance of leveraging the advantages of technology. Manav Rachna has thus launched 'Manav Rachna Centre for Distance and Online Education' (CDOE): a. Purpose: i. Provide quality programs to those who are not able to draw benefits from conventional systems of Education. ii. Provide an exclusive learning environment to students with flexible and meticulous online learning opportunities. b. Programs offered: i. UGC approved seven programmes including BCA, BBA, MCA, MBA, BCom, M.Com, BA(H) Economics etc. (vide Letter No.F.No.22-23/2020(DEB-II) Dated: 02.11.2021). ii. AICTE approval vide letter number F.No. North-West/1-9318053063/2021/EOA for two programmes to be offered under online mode from Academic Session 2021-22 i.e., Master of Computer Applications (MCA) and Master of Business Administration (MBA) programmes. c. Facilitation: i. Content: The e-content of each course is uploaded on SWAYAM portal. It is available in a four-quadrants approach, where Quadrant I contains e-tutorial, audio/video content/animations/virtual Labs etc.; Quadrant II contains self-learning material, e-books, illustrations, case studies, presentations etc.; Quadrant III includes discussion forum & real time doubt sessions and Quadrant IV includes various assessments such as multiple-choice questions, fill in the blanks, short & long questions etc. ii. Access: The students can view all the content through their login id and passwords. They can also upload their assignments on it. iii. Examination: CDOE proctored examinations are conducted through Mettl platform which is a very user friendly and secure platform having AI based proctoring and MSB (Mettl Secure Browsing) as its key functionalities. Different types of assessments for online degree programmes include online quizzes, open ended/MCQs or essay questions,

	and projects. iv. Capstone project: Each program will culminate with a hands-on project which will be guided by faculty as well as industry mentors. Apart from this, each course coordinator and student get their GitHub accounts. It lets students from varied geographical locations to work together on projects in seamless manner without compromising the integrity of the project. v. Upskilling: Beside this, MRIIRS provides an opportunity to the students to upskill in multiple disciplines. So, while doing a programme in regular mode in one domain, he/she can also do online programme in another domain. In line with NEP 2020, the students are given a chance to opt courses from cross disciplines too. vi. Career Opportunities: Manav Rachna Online Education has collaborated with prominent industry partners to provide global career opportunities to the students and prepare them to fulfill the increased technology-intensive needs of current market. Studying online while working helps the aspirants to immediately apply what they learned in their profession, thus blending theoretical understanding with practical application.

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
59	53	44	48	48

File Description	Document
Institutional data in prescribed format	View Document

1.2

Number of departments offering academic programmes

Response: 26

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
4558	5406	5295	5620	6040

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
1348	1441	1568	1248	1415

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
4179	4820	5265	5578	5905

File Description	Document
Institutional data in prescribed format	View Document

2.4

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

2020-21	2019-20	2018-19	2017-18	2016-17
11	10	15	30	40

3 Teachers

3.1

Number of courses in all programs year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1956	1816	1833	1690	1589

File Description	Document
Institutional data in prescribed format	View Document

3.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
376	383	353	389	395

File Description	Document
Institutional data in prescribed format	View Document

3.3

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
392	399	359	398	397

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
22138	25592	20004	22887	22347

File Description	Document
Institutional data in prescribed format	View Document

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
174	287	203	246	411

File Description	Document
Institutional data in prescribed format	View Document

4.3

Total number of classrooms and seminar halls

Response: 152

4.4

Total number of computers in the campus for academic purpose

Response: 1132

4.5

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

2020-21	2019-20	2018-19	2017-18	2016-17
9494.22	8567.91	5821.29	5236.85	6537.51

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:

Manav Rachna International Institute of Research & Studies (MRIIRS) has implemented a Curriculum Framework based on learning outcomes, which includes subject-specific skills and generic skills, as well as transferable global skills and competencies. In response to the ever-changing workplace demands, the university strives to meet the growing expectations of all stakeholders, including students, parents, alumni, faculty members, and employers. The curriculum developed by various departments focuses on local, national, and global imperatives while also enabling and supporting the student's overall development that extends beyond the classroom. Periodic interventions are made from time to time to meet the expectations of stakeholders based on market demands at the local, national, and global levels. The curricula of various programs provide students with a variety of learning experiences while ensuring quality and equity in learning outcomes. The curriculum is designed with a special emphasis on the social, ethical, and environmental contexts. The Program Educational Objectives (PEOs), program outcomes, Program Specific Outcomes (PSOs), and Course Outcomes (COs) of all programs and courses are well defined and mapped in alignment with the University's Vision and Mission, as well as the students' learning requirements. Every effort is made to ensure attainment of COs and POs.

The emphasis has also been placed on a choice-based credit system. An interdisciplinary approach has been used in the curriculum. Students have a wide range of courses to choose from in the open elective basket, including engineering, science, social science, behavioral science, health science, management, and many others. The curriculum subtly incorporates critical issues such as ethics, professionalism, human values, gender equality, environmental sustainability, and so on.

The emphasis is on theory and lab courses that are industry oriented and can provide students with an extra edge that will help them clear competitive exams and place themselves in reputable industries, as well as become successful professionals.

MRIIRS also emphasizes industrial training for students in order to bridge the gap between academic curriculum and industry requirements. All UG programs in Engineering, Hotel Management, Journalism & Mass Communication, Physiotherapy, and Management include industrial training as part of the curriculum. It thus provides prospective professionals with hands-on experience and increases the much-needed employment potential. The Program Outcomes (POs) and Course Outcomes (COs) reflect the relevance to the student's professional needs and are driven by Program Educational Objectives (PEOs) that have been duly formulated following deliberations of all stakeholders. Creating an effective curriculum is a multi-step, ongoing process. Based on stakeholder feedback, the curriculum is reviewed on a regular basis, and revisions are recommended by the Board of Studies through the Board of Faculty for final approval by Academic Council.

B.Sc.- Information Technology and BBA (Global) - International Business with Auckland Institute of Studies, New Zealand, BBA- Banking & Financial Markets with Bombay Stock Exchange, B.Tech Computer Science with Microsoft and IBM, and B.Tech Electronics and Communication Engineering with Intel Corporation are among the programs offered in collaboration with international/industry knowledge partners.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

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

Response: 77.33

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

Response: 58

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

Response: 75

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

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

Response: 82.23

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

2020-21	2019-20	2018-19	2017-18	2016-17
1670	1529	1507	1366	1248

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

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.

Response: 31.7

1.2.1.1 **How many new courses were introduced within the last five years.**

Response: 1509

1.2.1.2 **Number of courses offered by the institution across all programmes during the last five years.**

Response: 4761

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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).

Response: 100

1.2.2.1 **Number of Programmes in which CBCS / Elective course system implemented.**

Response: 59

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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:

The university has included courses that not only help students acquire cognitive power but also improve their competency in real-life situations. In addition to knowledge and skills, the University bears a greater responsibility for integrating values, ethics, environmental sustainability, professionalism, and human values into the curriculum. The university also believes in instilling professional ethics in all students. Values and ethics are also covered in disciplinary courses. The university instills human values in its students by offering courses on human values, gender equality, and inclusivity.

MRIIRS emphasizes classroom instruction as well as other activities such as expert talks, seminars, webinars, and workshops. Through various activities, MRIIRS attempts to instill ethics in its students. The goal of teaching various courses on environmental sustainability, professional ethics, and gender equality is to help students develop so that they can manage complex situations and make appropriate decisions, bear responsibility, and have high ethical standards in accordance with the requirements of sustainable development.

Professional ethics, gender equality, human values, and environmental sustainability are all fully integrated into the curriculum. Human Psychology; Human Rights; Environment Biotechnology; Soil Pollution and Management; Health Communication; Engineering Materials for Sustainability; Child Nutrition, Biosafety, Bioethics & IPR; Human Rights & Media; Leadership and Team Building, and many other courses are offered at the university.

The university develops its curriculum while keeping in mind the critical importance of offering various courses across all streams that provide training to develop students' attitudes toward Indian ethos and culture, professional ethics, and other such coveted aspects.

MRIIRS encourages and motivates students to adopt Indian ethics and traditions, which go a long way toward demonstrating core values based on gender equality, respect for women, nationalist feelings, global goodwill, and environmental sustainability.

MRIIRS develops syllabus/curriculum and introduces new programs and courses in response to stakeholder feedback, industry requirements, and national goals. In addition to knowledge and skills, the University bears a greater responsibility for integrating values, ethics, environmental sustainability,

professionalism, and human values into the curriculum. The curriculum of a university is designed to prepare future generations of professionals and societal leaders to take responsible actions toward a sustainable environment. The university also believes in instilling professional ethics in all students. Values and ethics are also covered in disciplinary courses. As a result, it can be stated that the MRIIRS includes events in its pedagogy that have a positive impact on developing competencies relevant to solving social and environmental problems.

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

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

Response: 129

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

Response: 129

File Description	Document
Institutional data in prescribed format	View Document
Brochure or any other document relating to value added courses	View Document
Any additional information	View Document

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

Response: 47.02

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
1088	2976	2785	2920	3118

1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for

the latest completed academic year).

Response: 54.37

1.3.4.1 **Number of students undertaking field projects or research projects or internships.**

Response: 2478

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	View Document
Any additional information	View Document
Link for additional information	View Document

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

File Description	Document
URL for stakeholder feedback report	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document

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

File Description	Document
URL for feedback report	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Demand Ratio (Average of last five years)

Response: 11.29

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

2020-21	2019-20	2018-19	2017-18	2016-17
1642	2078	1960	2210	2219

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: 100

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

2020-21	2019-20	2018-19	2017-18	2016-17
174	287	203	246	411

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:

MRIIRS has undertaken and institutionalized two mechanisms one is at the time of admission and second is for subsequent semesters, for assessment of the learning capabilities of the admitted students on continuous basis to deal with student diversity, and to bring about inclusivity for improved outcomes. The University pronounces its commitment to train and equip both advanced and slow learners to enable them to embark on a successful career.

- Every department follows the assessment mechanism as per the laid down policy of MRIIRS. The customized teaching learning methodologies are planned for Advanced and Slow learners.
- The University provides a platform to encourage advanced learners to perform more challenging tasks and slow learners to improve their performance through customized initiatives. Their performance is closely monitored and recorded for subsequent review analysis.
- Each course teacher maintains the list of advanced and slow learners along with reports of performance as per assessment parameters including teacher's observation on class performance which consists of quizzes, individual/group assignments/presentations/project work etc.
- The progression of achievements of students is recorded in terms of Student Portfolio to assess their advancements and subsequent interventions.

1. **Initiatives for Advanced Learners: Students are guided to**

- Participate in Seminars/ Workshops/ Conferences/ Technical Project Competitions/ quiz-debate competitions/ Research Activities at National and International level to further improve their logical, analytical and presentation skills
- Write and publish quality research papers to develop excellent writing and analytical skills
- Register and earn certification/credits for MOOCs through SWAYAM, Coursera, Udemy, IIRS-ISRO and value added courses as per the approved list.
- Lead research project development group/ student technical clubs/ editorial board of student magazine and related activities
- Attend coaching/guidance sessions for preparation of higher-level competitive examinations and pre-placement mock interview sessions to brush up their technical, aptitude and soft skills.
- Register Start-ups/file patents/copy rights by involving themselves in Manav Rachna Innovation and Incubation Centre (MRIIC) which trains and assists budding innovators to incubate their project ideas for starting new Industrial enterprises to ultimately produce entrepreneurs rather than job seekers.
- Conduct classes in flip classroom teaching to encourage independent learning in an active learning environment.

1. **Initiatives for Slow Learners:**

- Special bilingual mentoring sessions are organized with individual course teachers are mentors to motivate and counsel them.
- Remedial classes are conducted to improve basic understanding of the course. Schedule for these classes is prepared and shared beforehand.

- Classroom sessions to solve previous year university question papers are conducted.
- Peer group learning during lab, tutorial hours and free slots with one advanced learner and two/three slow learners in a group is encouraged.
- Additional course notes are provided to improve basic understanding of the course.
- The performance of each student is monitored very closely. Parents are kept in the loop and are updated on their ward’s performance.

The consolidated reports on initiatives taken for advanced and slow learners and subsequent impact analysis are reviewed to note the progress.

File Description	Document
Upload Any additional information	View Document
Paste link for additional information	View Document

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

Response: 12:1

File Description	Document
Any additional information	View Document

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:

MRIIRS strives continuously to improve quality of education for its students to enable their transformation to quality professionals. Student-centric teaching pedagogy is followed at MRIIRS. Faculty members plan and deliver their course sessions incorporating experiential, participative and problem-solving based learning methodologies in accordance with the laid down policy.

- The curriculum for all Programs at MRIIRS has been structured to ensure excellence in the teaching/learning quality in a systematic manner which provides a learner centric education. Focus is on incorporating theory and lab courses to inculcate the essential knowledge, skills & abilities which are industry oriented and provide students an innovative edge in the area of their specialization and enables them to place themselves in reputed industry, as well to become successful entrepreneurs.
- At MRIIRS, Curriculum and pedagogy stem from the University's belief in 'Multiple Intelligence' pedagogy and diverse teaching and learning methods which are based on 'Experiential Learning' as follows:

  - All undergraduate students are compulsorily made to undergo an institutional and industrial internship as per their study schemes.
  - Regular industry visits and field visits are planned for students.
  - Students also learn through their involvement in live field projects, workshops/Trainings, simulations, prototyping, visiting exhibitions etc.
  - Role-playing scenarios, socio-drama/psychodrama, dance, meditation, global immersions, case studies, clinical rotation postings etc. are also the integral part of course delivery.
  - Students are encouraged to participate in skill-based value-added courses.

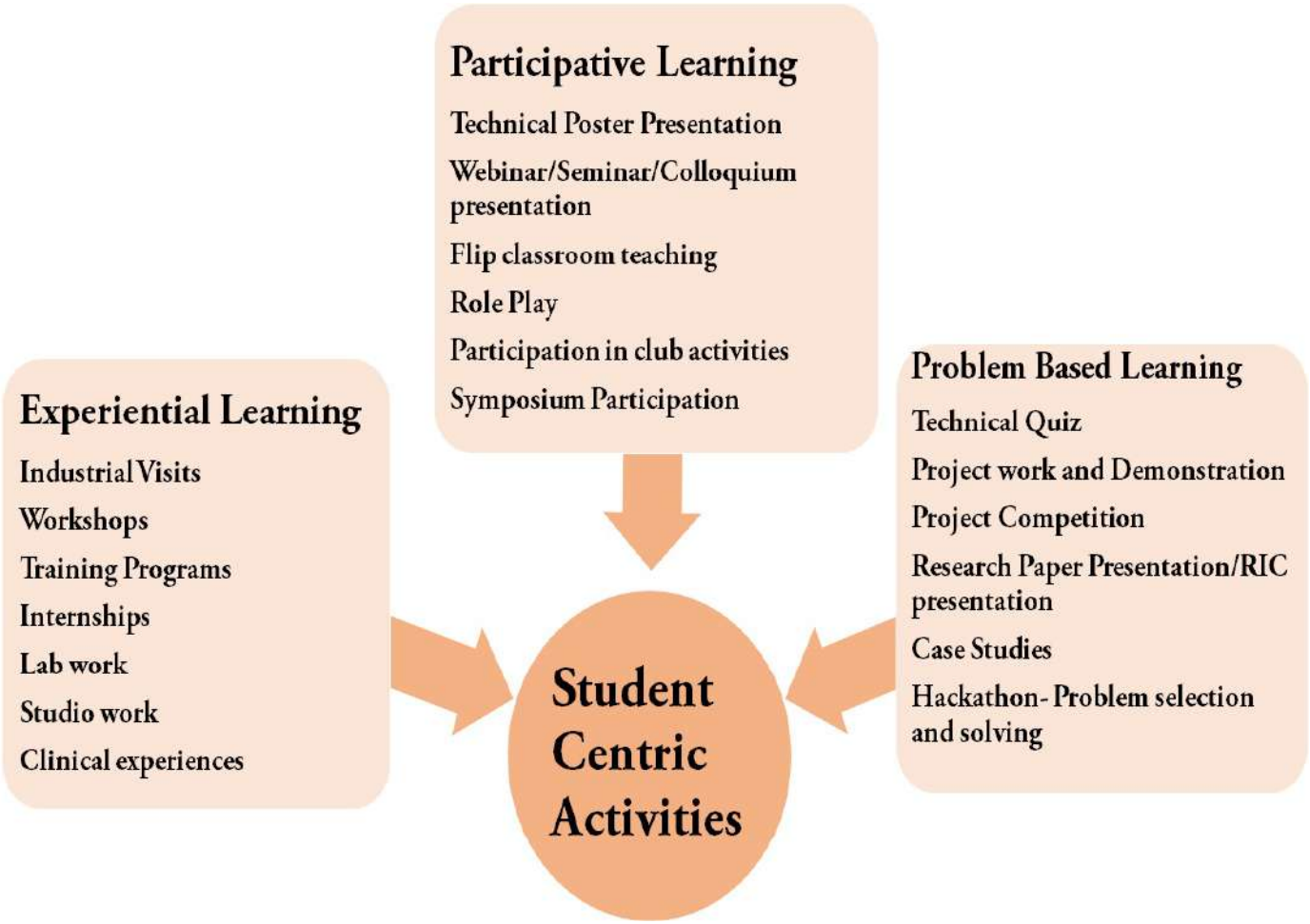
- Problem solving methodologies integrated in teaching-learning are as follows:

- Problem solving based on different concepts is a part of teaching in lecture, lab and tutorial class.
- Students are exposed to major design experiences in their area of interest through their Projects to complement their problem-solving skills acquired in early semester courses and provide them a platform for collaborative & life-long learning.
- Students are guided to showcase their project designing and development skills at various National and International Platforms including participation in Hackathons for real-life problem selection and subsequent solution finding.
- Manav Rachna Innovation and Incubation Centre (MRIIC) acts as a facilitation centre for the students by assisting innovators in realizing their dream projects. The focus is on applied research leading to patents, research publications and generation of IPRs with the ultimate objective of improving employability of a university graduate.

- Following methodologies have been adopted to make the learning more participative:

- Learning is made participative by incorporating activities including quizzes, debates, group discussions, presentations, peer teaching, expert talks, participation conferences/workshops, flip classroom teaching etc.
- Students are encouraged to enrol for MOOCs for ICT based collaborative learning (Active NPTEL local chapter is well in place). A student can earn credits through online learning platforms like SWAYAM, NPTEL, Coursera, IIRS-ISRO, Udemy etc.

A credit-based course on Research is made a part of the curriculum. In order to encourage participative learning, the students in peer group are guided to read recent advancements in emerging areas by referring papers from reputed journals and transactions. This helps them in writing joint research papers.



File Description	Document
Upload any additional information	View Document
Link for Additional Information	View Document

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

Response:

University campus is equipped with all the latest ICT amenities including state-of-the-art classrooms, seminar and conference rooms, presentation facilities, etc. to provide latest technological exposure to the students. Use of ICT-enabled tools and e-resources is ensured in teaching and learning as per the laid policy of MRIIRS.

- ICT resources like LED/LCD projectors, supplementary audio-video, e-resources and uninterrupted Internet connectivity are provided in class rooms, laboratories and hostels.

- Faculty members are provided with institutional email-IDs, desktops/laptops, real-time document scanner for conducting online classes, with live demonstration of concepts along with lecture recording facility.
- MRIIRS has subscribed to a comprehensive iCloud-EMS (Education Management System), which provides integrated solution to enhance and digitize the teaching-learning processes through its web & mobile based applications.

- Course-allocation, uploading of time-table, lesson-plan, assignments/tutorial sheets and academic contents (PPTs/notes) attendance and assessment marking & monitoring all are done through EMS.
- Uploaded course contents like syllabus, previous year question papers, lecture notes, PPTs, relevant web-links and videos can be viewed and accessed by students.
- Continuous internal/external assessment for all theory, lab, seminar & project related courses along with course/program outcome attainment report generation is done through EMS.

- Being a part of Microsoft office365 adoption program, MRIIRS has also subscribed to Microsoft Teams platform for course delivery via virtual classroom teaching (Creation of Teams, scheduling meetings, sharing screens, recording of lectures) and subsequent assessment activities including assignments, online quizzes. Faculty members are also using MRIIRS in-house media centre to record webinars specific to all Programs.
- Teachers enjoy autonomy in their teaching methodologies through which they improvise to blend e-learning resources like National Program on Technology Enhance Learning (NPTEL), NITTTR Chandigarh Technology Enabled Learning (NCTEL), MOOCs through SWAYAM/Coursera/Udemy/edx etc.
- MRIIRS has a local chapter of SWAYAM and MRIIRS is a Nodal Centre of Virtual labs.
- Open educational resources including MIT open-courseware, IGNOU web resources, SWAYAM/NPTEL/Spoken-Tutorials by FOSSEE, MATLAB central, MHRD e-PG Pathshala, Coursera etc. are used quite frequently by the faculty members as departments and centres are internet enabled.
- Academic departments have incorporated specialized softwares including Oracle, Prolog, MATLAB, Scilab, R-Programming, Python, SPSS, IBM Rational Seed, STADD PRO, Tanner, Xilinx, Orcad etc. for demonstration of concepts during teaching sessions.
- RFID and Wi-Fi enabled Library offers seamless access to digital resources. Users have interactive Library Portal; the single window search solution offers 24 x 7 access to Library catalogue using user accounts through web-based Library Software.
- Faculty members, research scholars and students have been provided with plagiarism monitoring facility by the library officials through Urkund and Turnitin.

- Amidst Covid-19, all the academic activities have been shifted successfully to online mode from contact mode via Microsoft Teams. Online recorded lectures are being made accessible to the students via Microsoft streams using lifetime institutional Office 365 accounts. All examinations were successfully conducted online for even semester of AY2019-20 and the results were declared in stipulated time.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

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: 268

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

2.4 Teacher Profile and Quality

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

Response: 97.49

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

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: 44.06

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**

2020-21	2019-20	2018-19	2017-18	2016-17
223	205	146	139	120

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	View Document
Any additional information	View Document

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: 7.94

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

Response: 2985.3

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	View Document
Any additional information	View Document

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: 85.18

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**

2020-21	2019-20	2018-19	2017-18	2016-17
124	71	68	34	26

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document
Any additional information	View Document

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: 11.95

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**

2020-21	2019-20	2018-19	2017-18	2016-17
10.77	11.96	12.42	12.35	12.24

File Description	Document
List of Programmes and date of last semester and date of declaration of results	View Document
Any additional information	View Document

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

Response: 0.49

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

2020-21	2019-20	2018-19	2017-18	2016-17
11	13	21	38	49

File Description	Document
Number of complaints and total number of students appeared year wise	View Document
Any additional information	View Document

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:

MRIIRS has progressively developed a well-established, automated and centralized process for the continuous-internal and end-semester assessment, conduct of examinations and its associated activities, declaration of results and award of degrees.

IT Integration for Examination Processes and evaluation of student performance:

- MRIIRS has subscribed to a comprehensive Cloud based EMS (Education Management System) which provides integrated solution to automate the examination processes in pre-examination, examination and post - examination phases.
- Starting from admission application submission to online course registration and approval, continuous internal assessment, hall ticket generation, display of seating plan on EMS, end semester marks uploading, onscreen verification of marked Answer Books by students, submission of application form for re-appearing and Course/Program outcome attainment calculation & subsequent report generation are done on EMS in a complete transparent manner.
- The photographs of candidates are embedded on their degree certificate to nullify the possibility of forging of degree certificate; all degrees are being uploaded on NAD.
- Examinations during Pandemic were conducted in a completely proctored and online manner using MS-Teams and Google meet platforms.
- Improvement in the design of transcript by making it compact in single sheet/page.
- Digitalization of Question paper management: The question paper management was done paperless.

Automation of examination processes has led towards efficient functioning of examination processes, maintenance and reproduction of examination records and minimalistic manual intervention.

Impact of Examination Reforms and processes:

Various reforms have been undertaken progressively which have resulted in more transparent, efficacious and efficient examination management system.

- Timely declaration of final results ensures that the students are not deprived of career and progression opportunities.
- Both cumulative internal assessment and end-semester-examinations adopted to monitor the progress of students provide ample opportunities to take effective remedial measures throughout the semester.

- Exams are conducted simultaneously across the University to optimize the resources involved.
- A close moderation/vetting of question papers is undertaken to ensure that a mistake-free question paper is administered in the examination hall.
- Question paper administered to students is one randomly picked from a set of three question papers to preclude even a remote chance of leakage.
- Spot evaluation is in place ever since inception of the university.
- Practice of showing evaluated answer sheets of end semester examination has resulted in progressive decrease in revaluation applications and has enhanced the transparency and confidence in the examination system.
- The marks rationalization computer implemented algorithm is deployed without any manual intervention based on global average of all the theory courses of a particular programme in a semester to maintain a level of uniformity in evaluation.
- Revaluation of any paper is permitted as per the standard operating procedures of examination. Improvement of grades is permitted through reappearing.
- New grading policy on 10 points scale was adopted which is contemporary and relevant.
- Examination branch has been certified by ISO 9001:2015.

The above measures have very substantially impacted to culminate in a robust evaluation mechanism on quality, reliability and timeliness.

File Description	Document
Year wise number of applications, students and revaluation cases	View Document
Any additional information	View Document
Link for additional information	View Document

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	View Document
Current Manual of examination automation system	View Document
Any additional information	View Document
Annual reports of examination including the present status of automation	View Document

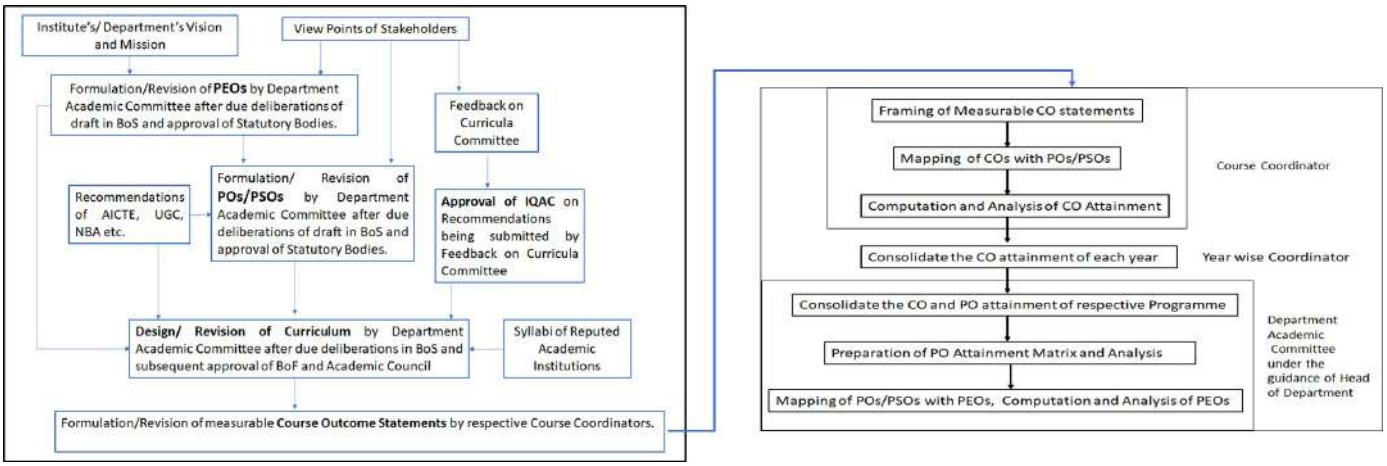
2.6 Student Performance and Learning Outcomes

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:

In line with the Institution's Vision and Mission, all academic programmes being offered are outcome based. Each Programme has comprehensive Program Educational Objectives (PEOs) as aligned with Department's Vision and interests of all stakeholders.

- Program-Outcomes (POs)/Program-Specific-Outcomes (PSOs) of each Programme have been stated in alignment with PEOs and industry needs/future scope of the respective programmes while considering the societal requirements and recommendations of statutory bodies including NBA, AICTE, UGC etc.
- These POs/PSOs along with current industry needs, feedback of prime stakeholders, recommendations of statutory bodies and syllabi of reputed academic institutes have been considered by respective Department Academic Committees to structure/revise their draft curriculum. These proposals are reviewed and ratified by the Academic Council after due deliberations in Board of Studies (BoS) and Board of Faculty (BoF).
- For approved curriculum, course coordinators frame the measurable Course-Outcome (CO) statements (as per Bloom's Taxonomy) for each course in consultation with involved course teachers.



Institute has a well-structured assessment process to compute the attainment of Course-Outcomes, Program-Outcomes and Program-Specific-Outcomes using both direct (80% weightage) and indirect (20% weightage) assessment tools.

- Process implemented to identify the extent of compliance of curriculum for attaining POs/PSOs is initiated by mapping outcome of each course in a particular Program with the POs/PSOs assigned for program. All core and elective courses are mapped by highlighting correlation strength (low-1, medium-2, high-3) of each PO/PSO with the Course Outcomes.
- Lesson plans drafted by a course coordinator for timely and systematic execution of a course also includes topic wise mapping with COs. Tutorial sheets, assignments and question papers are designed keeping in mind Bloom's Taxonomy and each question is mapped with COs.
- Continuous internal assessment of assignments, lab reports, sessional tests for each course, projects,

training, presentation is done during a semester to assess the attainment level of COs and POs/PSOs. End semester exam results are also analysed and attainment level for each course is identified. Attainment level for each course is pre-defined and an analysis report is generated to decide the future course of action. Advanced and slow learners are identified and actions are planned accordingly to mentor/ groom them.

- The attainment of COs is compiled at the course coordinator level. The Department Academic Committee under the guidance of Head of Department consolidates the COs-POs/PSOs attainment and later PEOs attainment.

The defined POs/PSOs and COs statements have been displayed at most of the prominent places in the university including departmental notice boards, HoD chambers, Staff Rooms, Lecture Halls, Laboratories etc. Presently, POs/PSOs and COs are widely publicized and disseminated to prime stakeholders (Students, Faculty, Industry/ Employers, Research organizations, Parents, Alumni) through the following modes as shown in Table below:

- University/Departmental website
- Displayed as posters at conspicuous areas within the University and the departments.
- Curriculum Booklets, newsletters, brochures, magazines.
- Uploaded on Educational Management System (EMS).

Media type	Publishing Mode	Prime Stakeholders
Electronic Media	✓ Published on Institute/ Departmental Website ✓ Departmental magazine ✓ e-news letter ✓ EMS (Education Management System)	Students, Faculty, Industry/ Employers, Parents, Alumni
Display Media	✓ Departmental Boards ✓ HoD Chambers ✓ Staff Rooms ✓ Laboratories ✓ Lecture Halls, Tutorial rooms	Students, Faculty, Alumni
Print Media	✓ Departmental Magazine/News Letter ✓ Curriculum Booklets ✓ Course Coordinator files ✓ Conference/ Workshop Brochures ✓ Process manual for POs/PSOs attainment	Students, Faculty, Parents, Alumni
Direct Communication	✓ Student Orientation Programme ✓ Faculty Induction Programme ✓ Admission Counselling ✓ Seminars/ Conferences/ Workshops ✓ Class interactions with HoD, Faculty members/ Mentors, course coordinators, Visitors from Industry/ Research organizations/ Academics	Students, Faculty, Industry experts, Parents, Alumni

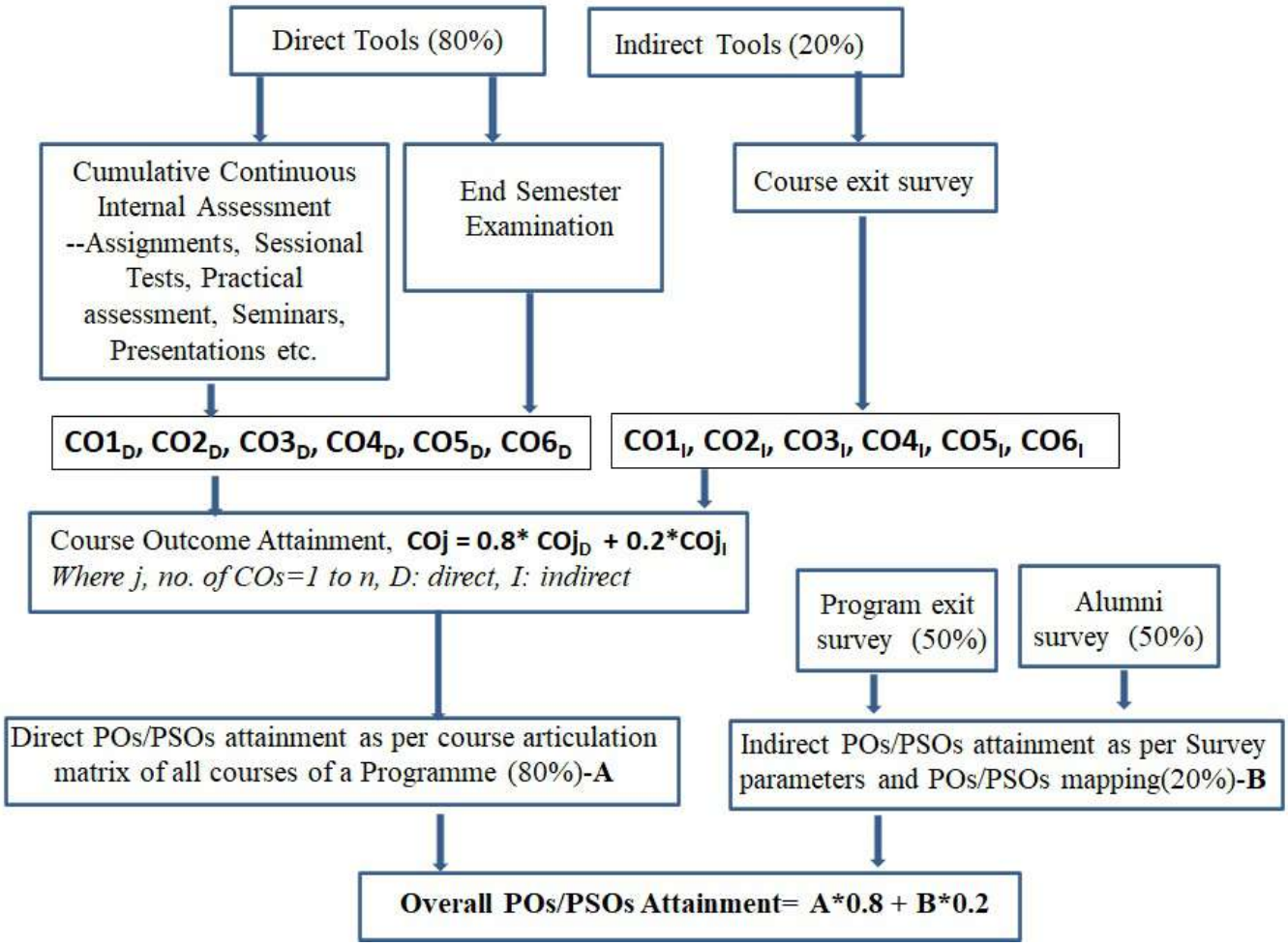
File Description	Document
Upload COs for all courses (exemplars from Glossary)	View Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

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

Response:

Evaluation is an integral part of the teaching-learning process. At MRIIRS, the evaluation criterion follows both Continuous-Internal-Assessment (CIA) by the course coordinators and Evaluation through End-Semester-Examination (ESE). The assignments/tutorials/ quizzes and question papers of sessional/end semester exams are set (as per Bloom's-Taxonomy) by incorporating questions of different difficulty levels to evaluate the student performance. In line with the Institution's Vision and Mission, all academic programmes offered are outcome based. MRIIRS has a well-structured methodology (implemented over i-cloud EMS) to compute the attainment of Course-Outcomes (COs), Program-Outcomes (POs) and Program-Specific-Outcomes (PSOs).

- The outcomes are computed and assessed at two different levels. First level is course level, COs assessment and attainment analysis is done at the completion of each course. Second level includes POs/PSOs assessment and attainment that is done at the completion of degree Programme.
- Both direct (80% weightage) and indirect (20% weightage) assessment tools are used to collate data for attainment of COs and POs/PSOs.
- Direct tools include cumulative continuous internal assessment methods (Assignments, Sessional tests, Seminars, Practical's, Presentations etc with all modules mapped to respective COs) and end semester examinations. Course Rubrics are prepared by course coordinators to assess student's performance consistently for COs and subsequent POs/PSOs attainment analysis for lab courses/projects/colloquium/industrial training etc.
- For direct attainment Question wise marks are recorded for each component, questions are clubbed CO wise, threshold is set for each question and the count of students scoring more than threshold in respective questions divided by total number of students provides the direct CO attainment for a particular question. This is followed by the computation of average CO to obtain the direct attainment of Course outcomes.
- For indirect attainment, students are asked to fill course exit survey for at the completion of each course as depicted in Figure. The weighted sum of direct and indirect attainment (0.8*Direct CO attainment + 0.2*Indirect CO attainment) provides the overall COs attainment.
- Course outcome attainment target is set on the basis of average performance levels in that course during previous three years
- Overall COs attainment is analysed (attainment is achieved/not achieved) by comparing attained COs levels with the target set for each course.



- The course wise direct attainment of mapped PO/PSOfor any course Ci is obtained by the product of attainment value of mapped course outcome and the respective affinity-level (1 for substantial mapping, 0.66 for moderately mapped and 0.33 for slightly mapped).

Here, Ci represents course (1,2,3….,n), respectively

- The overall (for whole programme) attainment level of POs/PSOs through direct assessment tools is computed using the following equation:

- For indirect POs/PSOs attainment, students are asked to fill Program exit survey (at the completion of respective programme) and Alumni survey.
- The weighted average of direct (80%) and indirect (20%) POs/PSOs attainment is computed to know about overall PO/PSO attainment.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

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

Response: 90.47

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

Response: 1348

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

Response: 1490

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document
Link fo any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.75

File Description	Document
Upload database of all currently enrolled students	View Document

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:

The policy promoting the research and allied activities at MRIIRS has undergone certain changes over a period of last five years. It started with promoting the research by faculty members, incorporating ethics, IPR, Seed Money etc. over a period of last five years. Keeping in tune with the domain demands MRIIRS, has updated the policy in the year 2019-20, besides upgrading the research infrastructure as per the needs. In the year 2018, an addendum was prepared to the research promotion policy-2015, to quantify the research outcomes, till the revision in the year 2019-20.

OBJECTIVE

1. To motivate faculty members and students to undertake research and innovation.
2. To energize faculty members and students for publication of their research outcomes.
3. To enthuse faculty members to get involved in consultancy.
4. To inspire faculty members for sponsored research projects.
5. To stimulate faculty members to indulge in collaborative and multidisciplinary research projects.
6. To encourage faculty members to delve into case studies on specific subject or topic of concern/interest.
7. To motivate the faculty members for creating, protecting and leveraging Intellectual Property and its commercialization.
8. To foster passion with openness, flexibility and freedom of thoughts for research in students at undergraduate, postgraduate and doctoral levels and build research culture.
9. To bring about national, international collaborations and partnerships with academia and industry through multi-, trans- disciplinary research leading to creation of knowledge sharing platform and global visibility; and
10. To conduct ethical research and for the benefit of society.

MRIIRS has made concerted efforts to upgrade its research infrastructure with the setting up of advanced research labs (Basic Central Instrumentation Facility), formation of research clusters, establishment of centres of excellence, subscription to databases and e-resources, introduction of “Research Innovation Catalyst (RIC)” at the UG level etc.

Following are the key achievements of implementing the research Policy:

1. The publication counts and quality has been continuously improving over the last five years. The publication counts include Books/Books chapter publications, conference publications and technical publications in journals index with Scopus/WoS/PubMed.
2. With the incorporation of RIC as mandatory subject across the different programs in university, the publication count by students has also seen an upward trend in last five years
3. NewGen Innovation and Entrepreneurship Development Centre (IEDC) was set up with a grant worth Rs. 2.87 Crores from EDII, Ahmadabad through DST, Govt. of India.

4. The IPR count in terms of patents has seen an upward trend
5. Total funding received from various Government and Non-Government organisations has increased tremendously.
6. The recent establishment of Springer Nature Academic Research Lab in the university campus is another promising research aspect. The Lab offers access to over 1700 Springer Nature Branded journals in the areas not limited to Science, Technology, Biomedical, Life Science and Medicine
7. The quality of research work at university has increased manifold due to collaborative research initiatives and Academic Integrity and Anti Plagiarism policy.

MRIIRS has well and truly carved its indomitable position as a research-driven institution.

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

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

Response: 20.79

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).**

2020-21	2019-20	2018-19	2017-18	2016-17
24.57	17.56	16.29	23.17	22.37

File Description	Document
Minutes of the relevant bodies of the University	View Document
Institutional data in prescribed format	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View Document
Any additional information	View Document

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: 22.36

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
124	174	100	08	18

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the award letters of the teachers	View Document
Any additional information	View Document

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: 134

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
41	37	39	9	8

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

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	View Document
Upload any additional information	View Document
Paste link of videos and geotagged photographs	View Document

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: 23.08

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: 6

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

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: 508.47

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).**

2020-21	2019-20	2018-19	2017-18	2016-17
171.16	172.97	146.01	1.50	16.83

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
Any additional information	View Document

3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).

Response: 213.53

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

2020-21	2019-20	2018-19	2017-18	2016-17
82.47	17.07	75.92	38.07	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by government	View Document
Any additional information	View Document

3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years

Response: 6.83

3.2.3.1 **Number of research projects funded by government and non-government agencies during the last five years.**

Response: 518

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

Response: 379

File Description	Document
Supporting document from Funding Agency	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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:

MRIIRS activively promotes innovations other initiatives for knowledge creation and transfer. The university has created a robust eco system of Innovation for harnessing young minds and their innovation potential in an academic environment which provides solution to many societal and industrail problems.

Manav Rachna Business Incubator (MRBI) is an initaive that encourages and supports the development of knowledge-based and technology-driven start-ups through guidance, mentorship and assistance. Students are encouraged to come out of the shell of conventional education system. The center serve as a common platform for students of all domains, both Engineering and Non-engineering across various departments to develop innovative and creative projects. On a case-by-case basis, the Centre assist student teams with design reviews, mentorship, provision of raw materials, manufacturing facilities, testing arrangements, commercial viability and any other special requirements on a case to case basis. Suitable training programs are arranged from time to time in order to enhance the entrepreneurial acumen of the students.

The center is now backed by Government of India funded NewGen Innovation and Entrepreneurship Development Center (NewGen IEDC) to help students commercialize their ideas and innovations.

The center is also supported by a robust and energetic Entrepreneurship Development Cell dedicatedly run by students to organize regular workshops and seminars on Entrepreneurship to identify grass root innovators and to help them developing them into entrepreneurs.

MRBI, that started with a team of five individuals in a small workshop, by now established in more than 5000 square feet of space with 40 seater capacity to cater to the requirements of budding entrepreneurs with co-working spaces including internet, Wi-Fi, conference rooms, multimedia projector, pantry, and recreation area. It has nurtured into a family of over 25 core members, hundreds of student innovators, faculty mentors, industry mentors, angel investors and the number is still growing. It is a sector agnostic incubator, which shortlists the student ideas on the basis of detailed screening process. Once selected the students are provided with complete handholding in terms of latest prototyping equipment and software for converting the business ideas into prototypes. Each shortlisted student startup is provided with prototype development grant upto Rs. 2.5 lakhs. The center boasts of its 70 alumni student start-ups and 40 plus start-ups on campus with current batch of students. Though each start up has its own achievements, yet to name a few of our notable start ups are Technoplanet Labs Private Limited, Parimukh Innovation Pvt. Ltd, Tricho Agronica Pvt Ltd., Halestein Foodlabs LLP, HYFN Games Pvt Ltd., Aarkaya Solar Solutions Pvt. Ltd., all of which are corrently operational and employ over 100 people.

The Library, with its rich print and electronics resources, interalia provides a valuable resource for a multitude of references for MRBI participants.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 217

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
50	49	44	36	38

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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

Response: 102

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
29	27	27	12	7

File Description	Document
Institutional data in prescribed format	View Document
e- copies of award letters	View Document
Any additional information	View Document

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	View Document
Any additional information	View Document

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	View Document
e- copies of the letters of awards	View Document
Any additional information	View Document

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

Response: 69

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

2020-21	2019-20	2018-19	2017-18	2016-17
52	5	8	2	2

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

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

Response: 2.41

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

Response: 169

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

Response: 70

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
URL to the research page on HEI web site	View Document

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

Response: 3.12

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

2020-21	2019-20	2018-19	2017-18	2016-17
298	331	185	254	116

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

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: 2.24

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**

2020-21	2019-20	2018-19	2017-18	2016-17
229	162	173	133	152

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

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: A. Any 5 of the above

File Description	Document
Institutional data in prescribed format	View Document
Give links or upload document of e-content developed	View Document
Any additional information	View Document

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: 3.73

File Description	Document
Bibliometrics of the publications during the last five years	View Document
Any additional information	View Document

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

Response: 20.5

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

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:

A strong entrepreneurial tendency is one of the hallmarks of a good researcher and our stock currencies in academic research, grants and publications have strong analogies to business seeking funding investment, while producing quality outcome. Keeping these facts in mind and observing our faculty members' applied research outcomes in the early years of research within traditional university framework, there was a keen thought process to adopt consultancy activities and formalize it so that faculty members could take them alongside their regular / routine duties. This prompted brainstorming and discussions about the concept and was then placed on Academic Council agenda with recommendations. It was accorded approval in 2015. Thus, begin the consultancy culture on campus.

With the passage of time, it was observed that an increasing number of faculty members started involving themselves and their acumen of applied research proficiency started translating into consultancy work.

Following discussion with the Principal Investigator of consultancy projects over time, their challenges and expectations were re-visited and revisions was undertaken in 2017 policy. The process was made simpler and with enhanced institutional support in terms of financial budget execution, audit and IPR were proposed by alignment with Dept. of Accounts & Audit (CAD) and IPR cell. Also, vehicular support for travel from institution was accepted. The revised Policy was notified after the approval of BoM in July 2018 under the title as MRIIRS Policy and Procedures for Consultancy and Corporate Training by adding the aspect and component of corporate training.

It clearly defines the scope, the improved and more attractive sharing pattern of revenue between faculty

and the university. It also defines benefits to faculty members in terms of both financial gain and institutional support. Also, there is provision to train more and more faculty members for consultancy work through workshops on capacity building in their respective domains. There is also a mechanism to review the initiatives taken with due mappings of outcomes in RPG-GC and in regular meetings chaired by VC and senior functionaries.

In consultation with the Finance Department, a separate bank account has been established into which money generated through consultancies is deposited and revenue sharing is distributed.

The PI's consultancy work in undertaking and implementing the consultancy task is aided by the Office of Dean Research, which coordinates with various university units on occasion (VC office, Registrar Office, Labs, Dean office, Transport, IPR cell etc.). Facilities for consultancy work, such as wet labs, manufacturing workshops, and computing labs staffed by experts, have made the journey easier. These recent measures have increased confidence among university consultants and researchers. As a result of these efforts, consulting work has become more organized and valued. More and more prestigious industrial consultancies are coming to campus faculty members' credit.

File Description	Document
Upload soft copy of the Consultancy Policy	View Document
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	View Document
Paste URL of the consultancy policy document	View Document

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

Response: 547.78

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

2020-21	2019-20	2018-19	2017-18	2016-17
234.26	184.52	79.13	24.86	25.01

File Description	Document
Institutional data in prescribed format	View Document
Audited statements of accounts indicating the revenue generated through consultancy	View Document
Any additional information	View Document

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:

Manav Rachna International Institute of Research and Studies (formerly MRIU) has been playing a pioneering role in Social Responsibility. The university regularly exposes its students to myriad activities in the neighborhood community and areas to impel them to undertake various societal activities and in the process develop holistic persona and core values. This not only raises the curtain for the students towards social issues but also affords them hands-on experience, experiential learning, working in a team, participative learning, decision making leading to holistic development beyond boundaries of the classroom.

Swachh Bharat Abhiyaan: Few localities have been identified in Faridabad to spread the awareness about cleanliness and basic hygiene. These include Sanjay Colony, Old Faridabad Railway Station and Shiv Mandir (Sainik Colony). Students and faculty members regularly there to spread awareness about basic cleaning.

Safety: Regular programs on traffic rules, self-defense, women and child Safety and staying safe against COVID-19 programmes are conducted for the students of the university and various localities in Faridabad.

Blood Donation Camps: Every year the university organizes Blood Donation Camps in collaboration with the Rotary Club and Dr. O.P Bhalla Foundation.

Health Wellness Camp: In practice, the university conducts many societal programs, marathon races, anti-tobacco programmes both within and outside the precincts of the university. Creating awareness about usage of sanitary napkins by girls and distributing the same in rural areas etc. Dental College and the Faculty of Health and Applied Sciences conduct dental care and physiotherapy health camp for neighborhood communities which are managed by students and faculty.

Unnat Bharat Abhiyaan (Village Adoption): The following villages Mohna, Maujpur, Hirapur, Nariyala, Panhera Khurd and Chhainssa had been adopted. The groups of students, under the guidance of faculty members, make a regular visit to the adopted villages, identify the needs and do the needful including dental checkup camps by Dental Department, health checkup camps. Nutrition and Dietetics Department and Physiotherapy Department. Similarly, there has been a widespread activity by MRIIRS to teach girls in the villages and a neighborhood village Mohna in the Faridabad District.

Supporting Humanity: “Ek muthi Daan”, is a round the year event, wherein a handful of rice/wheat or equivalent amount is contributed by faculty and student’s members, collected by the student volunteers and donated to the needy.

Voluntary Services: The neighborhood community is supported by providing stationery, old clothing, and other supplies as needed.

MRIIRS carries its societal activities in the neighborhood in close association with Dr. O.P. Bhalla Foundation which is highly acclaimed body carrying out a myriad of social activities and community extension services in the Faridabad District.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document
Paste link for additional information	View Document

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: 34

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
5	17	7	4	1

File Description	Document
Institutional data in prescribed format	View Document
e-copy of the award letters	View Document
Any additional information	View Document

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: 112

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**

2020-21	2019-20	2018-19	2017-18	2016-17
08	31	29	24	20

File Description	Document
Reports of the event organized	View Document
Reports of the event organized	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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

Response: 50.63

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
1125	2100	3658	2958	4102

File Description	Document
Report of the event	View Document
Report of the event	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 43.8

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
43	83	36	36	21

File Description	Document
Institutional data in prescribed format	View Document
Copies of collaboration	View Document
Any additional information	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: 41

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
10	8	7	8	8

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:

MRIIRS ensures that adequate teaching-learning resources are available for its students, not only for classroom teaching, but other allied activities as well. The infrastructure includes sufficient number of **air-conditioned classrooms (142 with Wi-Fi/LAN and LCD projectors)**, tutorial rooms, well equipped departmental laboratories, computing facilities (as per the norms of statutory bodies, well stocked air-conditioned Library, auditorium, seminar halls, open & closed auditoriums, open green spaces (for carrying out various extra and co-curricular activities) and sports areas (both open & closed). These facilities are distributed throughout the lush green and landscaped campus in 8 blocks used for academics administration and support services.

Five smart boards are installed in different Seminar halls / Classrooms and 40 devices to capture the handwriting, while teaching are available. In addition to this there are five DTH installed in classrooms/ AV-room(of library) to showcase the contents telecast through Swayam Prabha Channels, meant for higher education.

All the latest ICT enabled devices are complimented with the necessary software and applications (Microsoft 365 office account, with MS Teams for online classes/meetings, MS-office, official email-id and other supporting software through Microsoft portal), are available for faculty and students.

Computer labs **(36)** are equipped with network of computers which are connected to internet with a bandwidth of 1 Gbps. The network is totally secured and there is total compliance of all required licenses. The computer network is monitored 24x7 centrally for any kind of service issues, be it system or network based. Computational facilities to both faculty members and students are further augmented by seamless availability of secured wi-fi internet connectivity.

The institution has subscribed to Comprehensive **Cloud based Education Management System (EMS)** from iCloud Next Vision (CNV) EMS which provides an integrated solution to enhance and digitize the academic and administrative processes. The EMS provides enhanced access to the stakeholders, through web & mobile based application. It facilitates Course-allocation, uploading of time-table, lesson-plan, assignments/tutorial sheets and academic contents (PPTs/notes) attendance and assessment marking & monitoring. It also provides integrated solution to automate the examination processes in pre-examination, examination and post - examination phases. Starting from admission application submission to online course registration and approval, continuous internal assessment, hall ticket generation, display of seating plan on EMS, end semester marks uploading, onscreen verification of marked Answer Books by students, submission of application form for re-appearing and Course/Program outcome attainment calculation & subsequent report generation are done on EMS in a complete transparent manner.

The comprehensive EMS solution deployed at MRIIRS provides easy access to Session Plan, Teaching Notes, Digital Content and evaluation methods for the courses students are undergoing and submission of

their grievances, if any. It also incorporates online facility to get feedback from all stakeholders in respect of curriculum and its delivery, leaching learning processes and other generic facilities provided to the students in the campus. The Student records can also be accessed by the Parents.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response:

MRIIRS has generous resources for sports, cultural activities leading to overall development of students in the campus in addition to the academic infrastructure and resources.

A. Outdoor Facilities

- **Cricket Ground**- The cricket ground in campus is shared with MRU. This 40×40m long green ground is equipped with flood lights and has 2 well maintained turf pitches of international standard.
- **Volleyball courts**- The volleyball court in MRIIRS campus is situated in front of B-block. This court dimension are 18×9m.
- **Basketball Court**- There are 2 basketball courts in MRIIRS campus (Measuring 28×15m). One basketball court is in front of international boys' hostel, the second court with acrylic paint based flooring is in front of E,F blocks. The third basketball court is adjacent to the volleyball court in front of B-Block.
- **Outdoor Gym**- There is a special facility of outdoor gym.
- **Soccer Ground**- A modern soccer ground has been constructed adjacent to Q block.
- **Amphitheatre**- Three amphitheatres exists in the campus with seating capacities varying from 70 to 300 to organise cultural and co-curricular activities.
- **Outdoor Gymnasium:** Adjacent to Manav Rachna Dental College with latest exercise equipment in two rows.

B. Indoor Facilities

- **Indoor Sports Arena**: - There is an indoor sports arena spread over **7000 sq. ft.** with the facilities of **One** Badminton court, **Three** Billiards table, **Six** Table Tennis tables, **Three** Pool tables and **One** Indoor Gymnasium.
- **Shooting Range-** There are **two fully air conditioned shooting ranges of 10m** each in the indoor sports arena. One of these has 13 mutual targets and second is known to be final range having 8 SIUS electronics targets with monitors. In addition to this there are is a world class shooting ranges **of 25m and 50m** near Girl's Hostel.
- **Squash court**- MRIIRS has an all-weather indoor squash court laid by Syncotts International with

maple wood flooring, equipped with lights and A.C. facilities. The court is 9.75m long, 6.4m wide, height 5.64m.

- **Yoga Center-** MRIIRS has an area allocated for the conduct of the yoga classes. University has been organising regular yoga workshops, yoga day and online yoga classes(during the lockdown period).
- **Music Room**-MRIIRS has a music room at the top floor of the building to make sure that student can practice for the music during their free time and for preparation of events &competitions. The same room also is used for practicing the dance and drama. In case more rooms are required, the adjacent rooms are allocated on SoS basis.
- **Auditorium-** An air-conditioned auditorium, equipped with the latest Audio-Video facilities exists in the campus. It is used for organising various co-curricular, extra-curricular and academic activities.
- **Manav Rachna Sports Science Centre(MRSSC)**MRSSC is a State-of-the-art facility equipped with the latest sports equipment used in measurement of critical parameters of a sports person and identify his/her flaws. It is used for mid-course correction and rehabilitation of sports person.

File Description	Document
Upload any additional information	View Document
Geotagged pictures	View Document
Paste link for additional information	View Document

4.1.3 Availability of general campus facilities and overall ambience

Response:

The complete MRIIRS campus is beautifully planned in a manner to make best use of the geographical contours on the slope of an Aravalli Hill. The ambience adds to the learning needs of both students and faculty members. The lush green campus is conducive to providing a mechanism to release the pressure created by the rigors of academia, for venting out the study pressure of students through various sports, cultural, refreshment kiosks / food-junctions etc. These facilities are distributed throughout a lush green and landscaped and secured campus.

The University has separate hostels for Boys and girls within the campus and outside campus with total capacity to accommodate 805 students. The well-furnished rooms and the Mess provide a very congenial homely environment for the hostellers.

In order to ensure maximum comfort and smooth learning, all the classrooms, tutorial rooms, seminar halls and most of the labs are provided comfortable seating with AC facility.

The campus has divyangjan friendly, barrier free environment. There are Ramps, Lifts, tactile path, Divyangjan friendly washrooms lights, display board, sign posts, accessible website, screen-reading software, reader, scribe, soft copies of reading material.

The university has its own clinic to take up the medical emergencies and 24x7 ambulance services to take

care of the urgencies. The university has tied up with Asian Multispecialty Sarvodaya Hospitals for critical cases. The well equipped ambulances stationed at the campus ensure that no time is lost in case of emergencies.

The complete campus is monitored through more than 250 CCTV cameras, which keep a vigil over the campus in addition to a large number of security personnel.

The campus also has a branch of Punjab National Bank along with PNB ATM.

The campus has a variety of food courts, cafeteria with high culinary offerings. A couple of them are ventures of students from food and Nutrition and hotel management student entrepreneurs. In addition to this, most of the buildings have at-least one self-service-based kiosks/ dispensers for potato-chips, chocolates or refreshing drinks etc.

MRIIRS believes in and values the contribution of each and every associate of its large and extended family who is working in tandem with the core group to take Manav Rachna to newer heights of glory and achievement. In keeping with its humanistic approach of 'ManavkiRachna', MRIIRS has launched Bloomz – The Day Care free of cost facility for the children of its faculty and staff members

There are tuck shops in the campus to cater to the small needs of hostellers and day scholars.

All the students in the campus and Hostel residents are provided with R.O. based drinking water. The quality of the water is regularly checked and periodic maintenance is done to R.O. machines.

The beautifully landscaped lush green campus and a butterfly garden leaves a lifelong impression in the mind of all the visitors.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 22.69

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

2020-21	2019-20	2018-19	2017-18	2016-17
1989.93	3068.45	686.70	922.01	1782.52

File Description	Document
Upload audited utilization statements	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

4.2 Library as a Learning Resource

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

Response:

MRIIRS has a state-of-the-art Library System Network consisting of a central library (Dr. O. P. Bhalla Central Library) named after the founder of Manav Rachna educational institutions and many departmental libraries. The Library operations are fully automated with Koha Open Source Integrated Library Management software for its entire range of operations covering Acquisitions, Cataloguing, Circulation, Serials management, Online Public Access Catalogue (OPAC), Administration, flexible reporting, Patron Management, label printing and more. All the modules of Koha are fully operational in the Dr. O P Bhalla Central Library to serve the users in best possible manner.

Besides total collection of 1,20,486 volumes 23,262 titles of Print Books, there are 2,30,817 e-Books 63,462 e-journals (includes IEEE, ASME, ASCE, EBSCO, J-Gate & others) and 4332 CD & DVDs in the Central Library. There are 25 dedicated desktops in the library for users to access the e resources with a discussion Room for faculty and Audio Visual Room.

Library is using the latest RFID Web-based Integrated Library Management System (ILMS). Use of RFID technology has not only increased the speed of circulation process but has also helped in easy stock verification and controlling the theft incidents as it acts a strong deterrent.

The complete digital Library is accessible 24x7 within the campus through IP authentication. Beyond campus the library facility is accessible by remote access login facilitated by remote login software authenticated via official email IDs.

Library offers touch screen kiosks for easy access and self-service options in the Central Library. The user interactive dynamic library portal provides user guides, my account, Insta-alert service, research support, question banks, and institutional repository.

Library website is a single platform to access all library resources both within the campus on Intranet and even from outside the campus on Internet using dynamic Library portal http://central-library.mriu.edu.in. The Library has adopted a Single window Search platform to search all databases and resources through a single search rather than looking in individual databases.

Library has 17 e-Kindle Readers to easily read e-books available in the Library.

DSpace Open-source Software is used for Digital Institutional Repositories. The software is being populated with Question Papers, Dissertations, Theses and Faculty Publications for which copyright lies with the university.

The library also has state of the art Kibo Scanning Device that helps in scanning and digitizing the library resources. It is an open-access reading and learning tool designed for Institutional use.

MRIIRS Central library has been certified with ISO 9001:2015 certification. Library has also signed MoU with Infilibnet to access Shodhgangotri, Shodhganga for Uploading Short Synopsis and Thesis.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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	View Document
Institutional data in prescribed format	View Document

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: 61.49

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)

2020-21	2019-20	2018-19	2017-18	2016-17
45.38	70.38	75.80	45.21	70.68

File Description	Document
Institutional data in prescribed format	View Document
Audited statements of accounts	View Document
Any additional information	View Document

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: 38.24

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

Response: 1887

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	View Document
Any additional information	View Document

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: 152

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

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

Response:

MRIIRS assigns utmost priority to its ICT and thereby has a sound IT policy in place including the necessary budgetary provisions.

GM(IT) is the chief functionary for the IT wing and is duly assisted by a team of IT associates. The policy pertaining to IT includes *inter alia*, determining all the IT software and hardware requirements from all stakeholders, teaching faculty, students, various Deans, HoDs, Chief Librarian and the functionaries involved in administration and other common utilities. The policy incorporates features which ensure that requirements of hardware and software after their emergence from the concerned stakeholders and approval from the competent authority are swung into purchase procedure in the minimum of time.

Similarly updation, upkeep, maintenance, security and minimum down time are integral components of the policy. Since IT domain is a high technology area a very meticulous purchase procedure is adhered to which involves looking both into technical specifications and commercial aspects.

Requirements are raised from the departments after assessing all the available alternatives, sufficient consultations are carried out with the GM (IT) on this subject, so as to avail of his expertise on the subject. Since obsolescence is very rapid in IT industry, a long term perspective is followed in deciding upon the various IT products. Available product line both hardware and software, is floated before concerned Deans and other functionaries from administration, accounts, hostel, Registrar's office, library etc. so as to make an optimal purchase/selection after a well-articulated discussion on all the related dimensions. Vice Chancellor overviews this exercise very deeply, objectively and critically from students class representative are also factored in summing up the IT requirements, besides the bench marks from this regulatory bodies.

The working format of IT branch comprises, zone wise IT units who report to the central IT units, headed by the GM(IT) and his experienced associates. All the budgetary requirements are different IT units are assigned different nature of work contingent upon their experience and expertise. Since IT maintenance is a highly critical area demanding a minimum downtime, so an approach of round pegs in round holes is used based on hands-on track record of the performing functionaries. Well before the onset of every new academic year, all requirements of IT hardware and software are worked up by all the faculties and functionaries from administration and other areas. GM(IT) make a budgetary estimate for the future time line based on previous track record and prevailing market scenarios and forwards to the Vice Chancellor. Through IQAC who scrutinize IT policies and bring about the necessary modifications, if any before submission to the vice chancellor for approval.

All zone wise IT units under the guidance of the Central Units provide real time maintenance support in conjunction with out sourced AMC where application. Updation in IT facilities including wi-fi and bandwidth needs are regularly discussed and a prompt action taken to update them.

GM(IT) and his associates are recruited by the HR section placing special premium on relevant hands on experience of the IT incumbents.

File Description	Document
Upload any additional information	View Document

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

Response: 4:1

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

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

Response: A. ?1 GBPS

File Description	Document
Upload any additional information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

Other Upload Files	
1	View Document

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	View Document
Institutional data in prescribed format	View Document
Links of photographs	View Document

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: 11.05

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
834.25	881.205	736.19	729.25	629.10

File Description	Document
Upload any additional information	View 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:

MRIIRS ensures optimal utilization and maintenance of academic, IT, sports and physical resources through various processes. The HoDs, GM-Admin, Gm-Projects, Director-Sports, GM-IT and the librarian ensures optimal utilization and maintenance of common resources under their respective jurisdictions with the help of in-house teams. The regular maintenance of common physical and academic resources is done on requirement basis through an online ticketing system. The complaints regarding infrastructure are monitored and resolved in a time bound manner.

Utilization and Maintenance of Academic Infrastructure:

1. The Time-Table coordinators under the guidance of HoDs ensure optimal utilization of classrooms, laboratories and workshops including computer labs. The technical staff appointed for the Labs ensure regular cleanliness and proper utilization of equipment in their labs. The same staff also ensure the preventive and corrective maintenance. The bigger jobs are outsourced.
2. The optimal utilization of the computer labs are ensured through the time table generated by departments. The computer labs are maintained by the IT team deputed at each block, under the supervision of GM-IT. The regular maintenance of IT infrastructure is done on requirement basis and during the lean period. The same IT team ensures working of the projectors, wi-fi, amplifiers, DTH, CCTVs and other IT-support-infrastructure in the campus.
3. The library opens 8:00 A.M. – 8:00 P.M. Monday to Saturday and 9:00 A.M. – 2:00 P.M. on Sundays for the physical access. The book circulation is done at the counter through RFiD and Koha. The regular maintenance and weeding of book happens, on requirement basis and the lean period of summer vacations. The digital resources including e-books, e-journals and databases are available 24x7 through online public access catalogue portal. The stake holders can use their allotted login credentials to access the e-resources outside the campus.

Utilization and maintenance of Sports and other common facilities

1. The Director sports, with the help of coaches and staff member, ensure proper utilization of the sports infrastructure, in addition to the conduct of regular sports meets among students, faculty and staff members. The staff members ensures that the sports facilities including grounds, courts, gymnasiums etc are well maintained and available for the day scholars and hostellers.
2. The auditoriums and seminar halls are booked through the office of GM-admin for department and university level functions.
3. The outsourced teams of housekeeping ensure cleanliness and hygiene in the classrooms, offices, common area and washrooms under the GM-Admin.

4. MRIIRS is situated on the slopes of Aravalli hills. The efforts have been done to ensure greenery through landscaping, sufficient tree covers, flower-based plants and a beautiful butterfly garden. The outsourced horticulture team under the head horticulture reporting to GM-Admin, ensures the maintenance of greenery inside and outside the buildings (through potted plants).
5. The complete campus is monitored through more than 700 CCTVs and outsourced security staff, deputed in each building and gates reporting to the vigilance officer under registrar.
6. The transport manager reporting to GM-Projects ensure, that sufficient, safe, comfortable outsourced transport is available to its stake holders including students, staff and faculty members.
7. An annual audit of physical/Academic resources/process is done to ensure the availability of resources for effective teaching-learning, co-curricular and extra-curricular activities and quality improvement.
8. Every unit prepares their requirements in advance and a provision in made in the budget to take care of their requirements.
9. The operations and small-maintenance of AC plants and air-conditioners, transformers, Captive power generation, Tube wells, Rain water harvesting, STP and R.O water filtration systems are done by the skilled staff reporting to GM-Projects. The other set of skilled staff ensures maintenance of furniture and fixtures, small civil maintenance jobs, plumbing etc. The major construction and maintenance related jobs are out sourced including maintenance of Solar Units, Paint and white-wash, major repairs of captive power plants, redevelopment of the office and instructional areas, etc.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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: 27.8

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
2537	1936	940	854	881

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

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: 89.89

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**

2020-21	2019-20	2018-19	2017-18	2016-17
3529	4409	5173	5620	5603

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document

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	View Document
Any additional information	View Document
Link to Institutional website	View Document
Link for additional information	View Document

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
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Link for additional information	View Document

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: 98.8

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**

2020-21	2019-20	2018-19	2017-18	2016-17
47	100	48	56	14

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**

2020-21	2019-20	2018-19	2017-18	2016-17
50	100	48	56	14

File Description	Document
Upload supporting data for the same	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document

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

Response: 59.02

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

2020-21	2019-20	2018-19	2017-18	2016-17
762	846	886	806	832

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

5.2.3 Percentage of student progression to higher education (previous graduating batch).

Response: 15.06

5.2.3.1 **Number of outgoing student progressing to higher education.**

Response: 203

File Description	Document
Upload supporting data for student/alumni	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document

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: 133

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
2	25	36	38	32

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document
Link for additional information	View Document

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

Response:

MRIIRS believes in maintaining transparency and democracy in the system for welfare of its students as a paramount priority. A functioning Student Council exists at MRIIRS with the goal of promoting leadership, cultural values, and camaraderie. The Council also seeks to mentor students in becoming responsible and contributing citizens of society, as well as to support the University's educational and administrative goals in order to enhance and address various aspects of the entire spectrum of student aspirations.

The MRIIRS Student Council is formed through a specific selection process. Students are nominated from various departments based on their outstanding performance in sports, cultural activities, and academics. Nominations are also obtained based on their keen interest and leadership qualities. After approval from the Vice Chancellor, the Registrar notifies the final selection of Student Council members. Members of Student Council also serve on academic and administrative committees such as IQAC, Department Academic Committee, Students Grievance Redressal Committee, Antiragging Committee, and so on.

The Student Council's goal is to increase students' involvement in various university activities and to provide a sustainable and viable platform for voicing their opinions.

The university has a Student Council in place to ensure that students can articulate their aspirations without reservation. This allows students to express their ideas on important issues in a democratic manner.

The Council also gives students an excellent opportunity to develop their leadership skills by organizing and carrying out various activities, including extension activities. The Student Council is the true representative and spokesperson of the student community, in addition to planning and organizing events that contribute to the University ethos and community welfare.

The Council assists students in coordinating various activities and makes recommendations on how to collaborate and coordinate with other students in their department. It gives students a great opportunity to organize and participate in various activities while also showcasing their talent. Student Council members are actively involved in organizing a variety of activities such as:

• Observing National and International Days of Importance, keeping the Campus Green, Annual Cultural Fest, and so on.

• Inter-University Activities

• CSR activities such as organizing blood donation camps, tree planting, Ek MuthiDaan, health camps, cleanliness drives, assisting those affected by natural disasters, and so on.

• Workshops, sessions, new games, competitions, and so on.

• Outreach and Extension Programs

• Membership in National Service Scheme, Youth Red Cross, Rotary Club, and other organizations.

• Sports

• Cultural events in collaboration with SPICMACAY, the Confederation of Young Leaders (CYL)

• Creating an alumni network through Alumni Associations, coordinating various activities such as alumni meet-ups, interacting with alumni through various forums, and keeping an alumni database up to date.

The Student Council assists in the development of student potential and promotes informed, honest, interested, and active citizenship. It not only develops leadership skills in today's youth, but it also instills leadership qualities in the community, state, and nation.

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

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

Response: 47.4

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

2020-21	2019-20	2018-19	2017-18	2016-17
83	36	45	41	32

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

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:

Manav Rachna International Institute of Research & Studies Alumni Association is registered under the Manav Rachna Vidyanatariksha Foundation. The Alumni Association has an Alumni Base of 20000+ members and eight faculty chapters for easier administrative reach out:

1. Faculty of Engineering & Technology Chapter
2. Faculty of Planning and Architecture Chapter
3. Faculty of Computer Applications Chapter
4. Faculty of Media Studies Chapter
5. Faculty of Commerce & Humanities Chapters
6. Faculty of Management Studies Chapter
7. Faculty of Applied Sciences Chapter
8. Faculty of Behavioral and Social Sciences Chapter

Each Faculty Chapter has an Alumni Faculty Coordinator to support and enhance the alumni connect. These chapters work under the umbrella of the Central Alumni Association to create personal connections with the alumni of MRIIRS under the respective departments.

MRIIRS has been regularly holding Executive Council meetings as per the quorum to undertake initiatives for the welfare of the Alumni Network. The Executive Council meetings have been followed by the meetings of Faculty chapters. The Executive Council comprises of members of the Students Welfare Department, faculty members, Heads of Departments and alumni. All the Executive Council meetings are headed by designated the Chief Patron, the President and the Treasurer of alumni association in line with Bye Laws. The enhancement of alumni connect is always explored like creation of area wise Alumni clusters, establishing a networking platform for the alumni, organization of various events like alumni meet, lectures and other connect activities. The Chapters have also been holding Expert lectures; Seminars &Alumni connect activities etc. at their respective levels for Alumni Engagement.

Beside financial support and contribution, the Alumni of MRIIRS provide support to the university in various ways like expert guidance for the students in their respective fields and industry exposure. The alumni are regularly called for mentoring and various career counseling sessions for the students. In addition to this, the alumni have also been involved in the various cultural and other internal events

organized in the university. At the same time the alumni have been given access to different facilities in the university campus like Library resources, Sports Facilities etc. Further, the alumni are regularly invited for several events like:

1) Student Competition

2) Alumni Lectures

3) Alumni Meets

4) Alumni Discussion

5) Cultural Fests

6) Placement Drives

7) Orientation Programs.

8) Convocation Programs

9) Career and Skill Development Workshops

MRIIRS gives immense importance to its alumni. Alumni serve many valuable roles such as helping in financial and non-financial contribution. They also contribute towards achieving of institutional goals of MRIIRS as they are the part of Board of Studies, Academic Council, IQAC etc. and supports in many ways by bridging the gap between industry and academia.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

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

Response: A. ? 100 Lakhs

File Description	Document
Any additional information	View Document
Link for any additional information	View Document

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:

Academic and administrative governance accord with MRIIRS' Vision and Mission to create responsible citizens through research/innovation, student-centric education, and entrepreneurship.

Effective leadership at MRIIRS is crucial to achieving the Vision and Mission through coordinating academic and administrative planning and implementation.

Governance standards prescribe MRIIRS policies/practices implemented by Statutory Bodies while giving strategic guidance/orientation to all constituent departments.

- The constitution and powers of these bodies have been defined, leading to academic and administrative responsibility.

- Bodies have frequent meetings to define development targets, directions, and guidelines by integrating academic and administrative components with MRIIRS's vision. This has improved the institution's overall performance.

Toward Vision:

MRIIRS has an industry-aligned, employability-inducing, and entrepreneurship-promoting curriculum. Students love CBCS and open electives. NPTEL and other MOOC success rates are proof.

MRIIRS values morality and ethics. It celebrates International Yoga Day on June 21, welcomes freshers and New Year with a Hawan ceremony, organizes Blood donation camps, Rural Health Camps focusing on health and hygiene, Skill enhancement drives in Haryana's backward areas, and the Ek MutthiDaan is another step towards social service. Tradition and value orientation are also emphasized in the university's Holistic Wellness and Life Skills course.

- Career development center coaches students in soft-skills, communication, verbal-ability, cognition, personality development, numeric aptitude, and leadership capabilities for professional and employability growth.

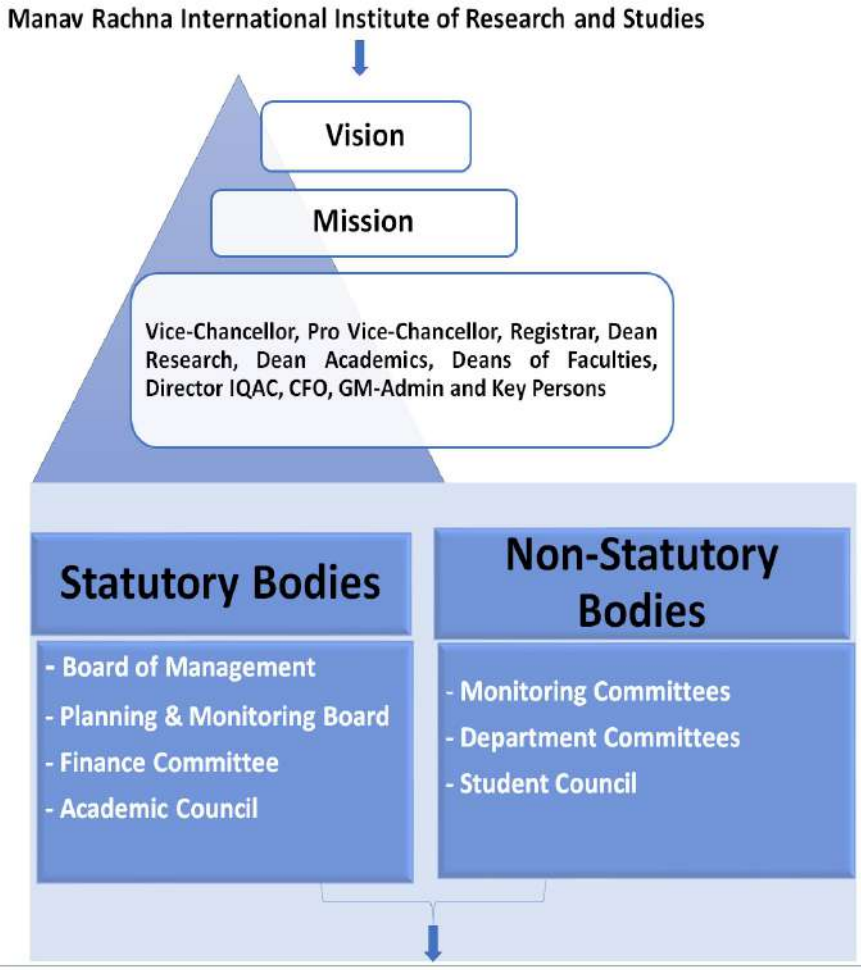
MRIIRS promotes research, innovation, and entrepreneurship in its educational delivery and knowledge dissemination. As part of the Vision of University, Research-and-Innovation-Clusters and Centres-of-Excellence were created to help students construct start-ups to increase experiential-learning and teamwork. All undergraduate programs provide a two-credit Research-Innovation-Catalyst course.

MRIIRS received Rs.2.87Cr. from DST-NESTEDB to set up Manav-Rachna-New-Generation-

Innovation and Entrepreneurship-Development-Centre to foster student-entrepreneurial initiatives.

All these efforts have led to a prestigious Q.S. 5-star rating in six categories, including Teaching, Facilities, Social Responsibility, Employability, Academic Development, and Inclusiveness; a 4-star rating for overall performance for AY2019-20; 118thRank under Engineering, 39thRank under Dental, and in the Band 101-150 under University Category in NIRF ranking 2021; and 105thRank under Engineering in NIRF ranking 2022. UGC gave MRIIRS 12-B designation for its R&D focus.

The institution's governance framework and standards are reviewed and amended based on evolving stakeholder expectations, best practices, and regulatory needs.



Academic and Administrative Governance to achieve Vision and Mission through excellence In
Academics, Research/Innovation, Student Centric Education and Entrepreneurship

File Description	Document
Any additional information	View Document
Link for additional information	View Document

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

Response:

MRIIRS practices decentralization and participative management while empowering stakeholders to improve the efficacy of the University system and quality of university services.

•The decentralization of administrative processes is evident from the organizational chart. Powers have been delegated amongst most of the academic &teaching, administrative departments, including Research and Development. These academicians and officers meet with the Vice-Chancellor as needed to discuss academic/administrative/developmental issues. The Dean Academic Affairs, Deans of various Faculties, Dean Student Welfare, Heads of the Teaching/Administrative Departments, and other functionaries use an effective internal coordination monitoring system. The entire decision-making process is democratic and decentralized, ensuring constant interaction between teachers, other staff, and administration. This work approach promotes healthy coordination among various academic and administrative units of the institution thereby grooming the leadership at various levels. At every stage, the perspectives of all stakeholders are considered.

• All Statutory Bodies like Academic Council, Board-of-Management, Planning-and- Monitoring-Board, Internal Quality Assurance Cell, Board-of-Studies, Board-of-Faculty, and Finance-Committee with participation of faculty of all cadres are in place. Members of Bodies/Committees are rotated at regular intervals in accordance with UGC guidelines. Different committees pertaining to academics, research, students support, grievance redressal etc. have been constituted for smooth functioning of various aspects of administration, and governance. Membership to each committee includes internal and external stakeholders which shows their participation in governance.

• All efforts for academic (curriculum revision, program scheme revision), teaching-learning (lesson planning, content dissemination), and evaluation process design/changes/improvements are initiated through IQAC on the recommendations of the Feedback on Curricula Committee based on stakeholder feedback analysis, and are subsequently executed by the Boards of Studies comprising faculty at the core level in a total participatory mode before ratification by the Academi.

• Financial authority has been decentralized to ensure the smooth operation of individual departments. The accounts department solicits fund requirements from various University departments for the upcoming fiscal year. These requirements are compiled at the Faculty level, and the overall budget is prepared centrally at the University level. This demand is then discussed in the institution's Planning-and-Monitoring-Board and Finance-Committee. Allocated funds approved by the Board-of-Management for the Financial-Year under various Heads are communicated to all Faculties/Department/Sections. The associated teaching-faculty/staff initiates all purchase requirements for lab equipment/software/learning

resources/library resources, as well as specifications. This demand is then passed on to the Planning-and-Monitoring-Board, which is followed by the Finance-Committee. Follow up action is implemented after approval by the Deans directly through the purchase department. Thus, purchase of equipment including IT resources goes up without any impediment.

A sample case study of decentralization and participative management practice is presented for preparing MRIIRS's annual Strategic Perspective Plans.

Before the start of the academic year, the heads of each department/central-unit must submit their perspective plans to IQAC after brainstorming with faculty members and analyzing stakeholder feedback. IQAC prepares its own plan considering quality requirements, reviews the received plans and submit the consolidated plan of MRIIRS for the approval of BoM for subsequent deployment.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic plan is effectively deployed.

Response:

In its endeavour to achieve global and long-term excellence the institution has defined its vision 2025.

- **To achieve the goals as per Vision 2025, Institution Strategic Plan was laid down by a designated committee and was presented in Planning and Monitoring meeting held on 14.03.2016 that was duly approved in Board of Management meeting held on 28.03.2016.**
- The status of Institution Strategic Plan is reviewed annually in Planning and Monitoring board and the targets are set accordingly to achieve Vision 2025.
- All the Academic and Administrative Units draft their yearly Strategic Perspective Plans as aligned to laid down Institution Strategic Plan of MRIIRS.
- The same is being followed after its due review in IQAC along with the Action Taken Report with respect to previous year’s plan and subsequent approval in BoM.

The “Vision 2025” consists of two parts. One focuses on improvements in educational standards and the other on the infrastructure enhancement. Strategic Mentoring Board of MRIIRS was initiated with its Educational & Philanthropic mission and with an aim to be the driving force; to formulate strategies to enable and ensure MRIIRS to become a renowned organization worldwide and to ensure the employability skills of its students. The institution has designed and presented plans of development which are directly aligned to its Mission and Vision wherein the following aspects are considered in the development of its policies and strategies:

- Vision and Mission of the Institution

- Curriculum Development
- Student centric teaching and learning environment
- Product based Research and development, Industry interaction, internationalization
- Infrastructure Enhancement
- Student progression and entrepreneurship development
- Quality enhancement and Human resource planning & development
- Institution Social Responsibility

One such strategic plan was laid down to establish a ManavRachna Business Incubator (MRBI) The Business Incubator established on 01st January 2014 is a centre led by the students for the students. By way of various entrepreneurship promotion events and activities conducted by the centre, the students are motivated to come out of the cocoon of conventional education system.

The centre is now backed by Government of India funded NewGen Innovation and Entrepreneurship Development Center (NewGen IEDC) to help students commercialize their ideas and innovations.

NewGen Innovation and Entrepreneurship Development Centre ManavRachna was established in year 2017**under the Aegis of NSTEDB, DST, Govt. of India, New Delhi.** The university was selected to establish the NewGen Innovation and Entrepreneurship Development Centre supported and catalyzed by DST and NSTEDB, Govt. of India. For creation of 85 student startups over a period of 5 years, a funding aid of 2.87 Crore was granted. Under the scheme, each student startup is provided a funding grant of 2.5 Lac for prototype development and establishment of business. Till date more than 45 start-ups have been incubated successfully.

File Description	Document
Any additional information	View Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

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:

- **Governance standardsof MRIIRS** has prescribed policies and practices as per the requirements under MoA and rules of Deemed to be Universities, based on the UGC regulations, to ensure effective governance in the matter of planning human resources, recruitment, training, performance appraisal, financial management and overall role of leadership in institution building.
- MRIIRs ensures effective and efficient functioning and implementation of laid down policies and procedures through its Statutory Bodies in position; Board of Management (BoM), Academic-Council, Finance-Committee and Planning and Monitoring Board with well-defined roles and responsibilities. These policies and procedures are reviewed periodically for further revisions, if required.These bodies provide **strategic guidance** and orientation to all constituent departments

and conduct their regular meetings as per the mandate to formulate **development objectives, directives and guidelines** by aligning the academic and administrative aspects.It helps in improving the overall quality of the Institutional performance.

- University has a culture of **delegation of authority** and all efforts are made to bring in the participation of faculty and administration at various levels for their association in the development of the university. Organogram of the MRIIRS has the clear distribution of each position, member composition, power functions, role and responsibility. Vice Chancellor is the head of the university. Pro-Vice Chancellor exercises all powers necessary for maintenance of discipline in the University and ensures quality in academic matters. Registrar office is responsible to accomplish the administrative affairs of the university. Dean Academics is responsible to ensure quality in academics matters. MRIIRS has ten Faculties and each Faculty headed by the Dean. The department(s)under Faculty isheaded by respective Head of the Department(s) and a democratic, participatory approach to decision- making is followed.

- Faculty appointments are strictly as per prevailing norms, as amended from time. There is a selection committee for making recommendations to the BoM for appointment to the posts of Professors, Associate Professors, Assistant Professors and such other posts as may be prescribed in accordance with the UGC Regulations on Minimum Qualifications for appointment of Teachers and other Academic Staff in Universities and Measures for the Maintenance of Standards in Higher Education, 2010/2016 as amended from time to time. Transparency for service affairs of employees has been maintained through measures including well documented rules such as TA/DA Rules, Purchase Rules, Service Rules (describing roles and responsibilities, recruitment policy, promotion policy, leave rules etc), Issue of salary slips, deposit of salary in banks and maintenance of proper service record through individual’s personal file.

- The university ensures the transparency in uploading the detailed information on the university website. Grievance Redressal mechanism for faculty, staff and students is maintained. A robust anti ragging mechanism exists in the institution to ensure total ragging free campus with zero tolerance. An online grievance redressal mechanism is operational on institution’s EducationManagement System portal wherein student/faculty/staff members can raise his/her grievance which gets allocated by the system to the set competent authority for its timely redressaldepending upon the nature of grievance.

File Description	Document
Any additional information	View Document
Link to Organogram of the University webpage	View Document
Link for Additional Information	View Document

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	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View Document
Any additional information	View Document
Link for additional information	View Document

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:

MRIIIS has developed a very transparent **Performance Based Appraisal Policy** for the employees to enable the University to enhance the potential of its human resources. The system is designed in the University so that individual faculty and staff become responsible for their own instructional improvement. The evaluation is oriented towards both summative and formative ends and promoting excellence. It provides a constructive framework for evaluating performance by identifying areas of strength and areas for improvement and provide a basis for professional growth and development.

The component of Faculty Evaluation System is Faculty Self-Performance Appraisal Proforma in which Individual faculty rate themselves by completing the self – appraisal form. The components of the Faculty self – appraisal form is instructional performance, previous year's completed professional development, and proposed professional development. The departmental heads complete the evaluation process of faculty using the information from the gap analysis (Aggregate Response Report) of the Faculty Self AppraisalProforma, observation of instruction, review of syllabi, evaluation of other duties. The evaluated document is forwarded to the concerned Dean and then to Vice Chancellor, a Higher Accepting Authority. The reporting officer forwards the original documents to the Dean, if applicable. Upon the VC's approval, signed copies of the evaluation document are sent electronically by the VC's office to the Dean concerned / HoD for apprising the decision. Original documents are forwarded to the Human Resources Office to be placed in the faculty member's personal file. ManavRachna follows a schedule of Faculty and Staff Evaluation Process for each Academic Year. The system is reviewed from time to time keeping in view best practices and the requirement of the regulatory bodies. MRIIIRS is following Career Advancement system (CAS) for performance-based promotions

MRIIRS recognizes the contribution of the employees towards the development and progress of the organization. MRIIRS offers/provides rewarding welfare schemes to faculty and staff members to ensure and increase their work efficiency.

- Fee waiver to faculty for 4 years in Ph.D programme at MRIIRS.
- Financial assistance to participate and paper publications in Conferences / Workshops / Seminars/ Symposia etc both within India and abroad.
- Incentivized policy of Research, Innovation and Incubation for faculty members.
- Annual appraisal based on teaching, R & D performance and student's feedback.
- Maternity leave
- Fee Concession to wards of faculty/staff in the MREI schools.
- In house Bloomz Day Care Creche for the children of teaching and non-teaching members.
- Faculty and staff with a stay of minimum 10 years are honored every year on the occasion of celebration of New-Year in the University.
- Four weeks summer/winter vacations are given for faculty members.
- Faculty members are also given sabbatical to pursue their higher studies
- For the benefit of teaching and non-teaching faculty members, FDPs and Skill Development courses are conducted regularly.
- Extensive support was provided to the employees during Covid-19 including Vaccination drives for all the employees and their family members.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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: 37.27

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**

2020-21	2019-20	2018-19	2017-18	2016-17
98	111	167	184	145

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	View Document
Link for Additional Information	View Document

Other Upload Files	
1	View Document

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: 79.2

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**

2020-21	2019-20	2018-19	2017-18	2016-17
103	86	73	72	62

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

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: 65.23

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**

2020-21	2019-20	2018-19	2017-18	2016-17
276	261	255	254	186

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
IQAC report summary	View Document
Details of teachers attending professional development Programmes during the last five years (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document

6.4 Financial Management and Resource Mobilization

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

Response:

The University has framed the strategies for mobilisation of funds and the optimal utilisation of resources with a Vision that the proper utilization of the University resources may not only result in quality assurance, improve productivity and competitiveness but also leads to generation of economic resources – savings, investment capital, tax, etc.

University has a mechanism for mobilisation of funds through:

- **Student Fee**: The main source of funds is the students' fees.
- **Interest income on savings and FDs**: Apart from fees, donations received constitute one of the sources of funds as well as interest income on FDs.
- Research Projects funding by various agencies like DST, CSIR, UGC/AICTE and Corporates and Consultancy Services which is utilized for the research activities and procuring new laboratory equipments.
- Campus used for Examination by outside agencies
- Canteen/Cafeteria and other tuck shop Rent
- Rent from Punjab National Bank Branch at ManavRachna Campus
- Alumni Contribution
- Workshops, Seminars and Conferences sponsored by funding agencies

Budget Allocation and Expenditure:

Any expenditure of the University is regulated through allocated Budgets as recommended by Finance Committee after due approval of the BOM.

- Institutional budget for fee income is prepared every year by taking into account the historical data after considering market conditions.

- Proposed fee is calculated after considering teacher-student ratio and all specific and allocated expenses of the department.
- All the HoDs, Deans and administrative heads submit their requirements for ensuing financial year under following heads as per their Strategic Perspective Plans:

-New lab requirements

-Up gradation of existing labs

-Research & Development

-Books & Journals

-Furniture and other equipment's including Software

-Students' training and consumables

-Repair and maintenance

-Printing & Stationery

-Faculty Development and meeting & conference

-Visiting faculties and Knowledge-Partners etc.

- On the basis of above information, the budget is framed by Finance team in consultation with Dean-Academics/ Registrar/ VC. The Budget is tabled in the meeting of Finance-Committee and approved with or without suggested changes, which is subsequently approved by Board of Management.
- All the departments adhere to utilization of approved budget.

Optimal Utilisation of Resources:

Following strategies are undertaken for optimal utilization of resources:

- Revenue generated through infrastructural facilities like examination halls, computer centres for competitive exams conducted by various agencies, outside premises for exhibition & other display activities, Sports Arena, Shooting Ranges, Central lawn, Auditoriums etc.
- Expanding/introducing Programmes in demand
- Utilizing skilled human resources

There exists review mechanism ensuring optimal utilization of resources in all the dimensions of the University functioning and regular review meeting are organized for its efficient implementation. The Internal Audit is conducted by CA firm regularly to verify the compliance of approved budget.

The budget is monitored and reviewed by Finance department after eighth/ ninth month of the year and all expenses are re-appropriated wherever necessary. The revised budget is recast and placed before the Finance-Committee for consideration followed by approval of the BOM for itsimplementation.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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: 38.74

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).***

2020-21	2019-20	2018-19	2017-18	2016-17
8.62	4.62	0.50	25.00	0.00

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	View Document
Any additional information	View Document
Annual statements of accounts	View Document
Link for Additional Information	View Document

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: 2662.59

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

2020-21	2019-20	2018-19	2017-18	2016-17
1659.36	617.46	371.27	10.50	4.00

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Annual statements of accounts	View Document
Link for Additional Information	View Document

6.4.4 Institution conducts internal and external financial audits regularly

Response:

ManavRachna International Institute of Research and Studies has made appropriate arrangements for the Internal audit and External Financial Audit Annually during the last five years i.e. from 2016-17 to 2020-21 by taking following measures:

The Chief Finance Officer is the key person to discharge the duties as stipulated in the accounts and finance manual of the university and the statutes, duly exercising internal checks and financial control over the various financial transactions.

Statutory Audit

Statutory Audit is done as per the Standard Auditing Practices and Accounting Standard prescribed by the Institute of Chartered Accountant of India for reporting to stakeholders such as Government Authorities like Income Tax Department, Goods & Service Tax Department, the regulatory authorities such as University Grants Commission, MHRD, New Delhi etc. The auditor is a firm of Chartered Accountants named Praveen Bansal & Co. Faridabad appointed by BOM, who independently audit the financial statements prepared by the institution. The statutory auditor scrutinizes the Ledgers, Cheques, and Physical Cash on the date of Audit, Payments, Receipts, Vouchers, and Books of accounts etc. of all the constituent institution of MRIIRS and asks doubts in respect of transactions recorded if any. After conducting their audit, they express their opinion in the audit report in prescribed format on the financial statements like Balance Sheet and Income Expenditure statement of the institution for that financial year which the audit has to be done. Till date they have not given any adverse or qualified report.

Internal Audit

MRIIRS also follows internal audit mechanism to ensure that financial transactions follow the prescribed internal controls and procedures, which allow reasonable assurance that significant risk is being managed properly. The competent authority of MRIIRS has appointed Kumar Vijay Gupta & Co. Chartered Accountants, Faridabad as independent Internal Auditor to audit books of accounts Annually as per the scope of Audit defined in MOU signed between MRIIRS and the Auditor. Internal Audit is done as per the Standard Auditing Practices and Accounting Standard prescribed by the Institute of Chartered Accountant of India. The objective of audit is to minimize the error and fraud by designing, establishing and ensuring continuous operation of an effective system of internal controls. In the Accounts department, the documents processed by the accountant are verified and authorized by higher authorities of the MRIIRS / its constituent institutes, thereby exercising control over the transaction. This also ensures that no single

person has control over any transaction from beginning to end. The MRIIRS follows the pre-audit to payments procedure. This reduces the issues related to internal audit post payment. The accountant processes a transaction and gets the documents verified and authorized by higher authorities of the institution. The auditor also checks that all necessary confirmations and authorizations have been accorded to the documents by respective authorities of the institution. Till date no major irregularities/fraud reported by the auditor. Minor clerical mistakes as and when reported by the auditor have been resolved with the accounts team and the concerned departments.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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 at MRIIRS is structured as per the guidelines of NAAC and works in line with Quality Policy of MRIIRS to seamlessly integrate all quality dimensions into the processes and procedures of the University. IQAC initiatives in the following areas have led towards the significant improvements in terms of Academic performance of MRIIRS:

Strengthening of Teaching Learning Practices: MRIIRS strives continuously to improve quality of education for its students to enable their transformation to quality professionals. IQAC at MRIIRS:

- Suggested to offer interdisciplinary open elective courses while blending the learning resources through MOOCs offered by NPTEL/SWAYAM, Coursera, Udemy etc under CBCS and non-credit value-added courses for skill enhancement.
- Devised SoPs for assessing the learning capabilities of the students to plan customized teaching learning methodologies for advanced and slow learners.
- Initiated the adoption of Digitization Initiatives of the Government for ICT based Education including virtual lab simulators for practical courses.
- Organizing regular FDPs in different domains including student centric teaching learning methodologies, online content development, usage of ICT resources and others while assessing needs through departments.
- Reviewing the attainment of COs, POs and PSOs computed through a well-structured methodology to achieve well-defined, aims and objectives through student-centric, interactive and outcome-oriented curricula and its implementation.
- Conducting Academic Audits of the departments while developing a system for conscious, consistent and catalytic action to improve the academic performance of the institution.

Industry Institute Interaction:

- All undergraduate students are compulsorily made to undergo an industrial internship.
- To enhance the experiential learning practices, mapping and covering the course contents through industrial visits and field visits while identifying the technical area/topic of learning specific locations/industries.
- Post visit interactive discussion sessions aids to consolidate the experiential learning process.
- Industry interaction sessions to bridge the industry academia gap.
- Industry collaborations with Microsoft, IBM, Mitsubishi, Intel, Infineon, Bombay Stock Exchange to fortify the technical skills of the students.
- Students are provided with the opportunity to work on industry projects to inculcate problem solving skills from the undergraduate level itself.
- IQAC has representatives from industry as the regular members to bring in new perspectives and inputs of industry expectations.
- The system of obtaining feedback from different stakeholders has been institutionalized as a quality measure. Periodic revision of curriculum after detailed feedback from stakeholders including industry experts/employers lends to continued relevance of the curriculum.

All these noteworthy efforts have led towards accreditation by NAAC (with CGPA of 3.05 on four-point scale at A-Grade), NBA (for B.Tech. CSE, ECE, ME, Bio-Tech programme during AY 2018-19, during AY2021-22 on the basis of compliance report and for MBA programme during AY2021-22), prestigious QS 5-star rating in sixcategories including Teaching, Facilities, Social Responsibility, Employability, Academic Development, Inclusiveness: and 4-star rating for overall performance for AY2019-20; 105thRank under Engineeringand in the Band 101-150 under University Category inNIRF ranking 2021. UGC granted 12-B status to MRIIRS in affirmation to its strong focus in Research and Development.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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	View Document
Upload details of Quality assurance initiatives of the institution (Data Template)	View Document
Any additional information	View Document
Link for Additional Information	View Document
Paste web link of Annual reports of University	View Document

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:

Quality enhancement initiatives taken in line with Quality Policy of MRIIRS, laid down Institutional Perspective Plans during AY2016 and suggestions of Peer team of NAAC as provided during the first cycle have resulted in:

- **NBA accreditation** of four B.Tech Programmes-CSE, ECE, ME, Bio-Tech programme during AY 2018-19 (during AY2021-22 on the basis of compliance report) and for MBA programme during AY2021-22
- **Prestigious Q.S. 5-star rating in six categories** including Teaching, Facilities, Social Responsibility, Employability, Academic Development, Inclusiveness: and 4-star rating for overall performance during AY2019-20
- 118th Rank under Engineering, 39th Rank under Dental and in the Band 101-150 under University Category in **NIRF ranking 2021 and 105th Rank under Engineering in NIRF Ranking 2022.**
- Establishment of **NewGen Innovation and Entrepreneurship Development Centre ManavRachna** with a grant of Rs. 2.87 crore **under the Aegis of NSTEDB, DST, Govt. of India**.
- **UGC granted 12-B status** to MRIIRS in affirmation to its strong focus in Research and Development.

Quality enhancement initiatives in Academic Domain:

1. Institutionalization of mechanism of collating **Structured stakeholderFeedback.**
2. Introduction of **value-added courses** for students to meet industry demands as well as develop their own aptitudes.
3. Implementation of **Outcome based Education and Choice-based credit system** across the University. Successful implementation of the process of learning outcome attainment via EMS.
4. Successful adoption of **student centric teaching learning methodologies including customized teaching learning activities for advanced and slow learners.**
5. **Automation of examination system using i-cloud EMS**.
6. Establishment of **Nodal centre of Virtual labs- IIT Delhi**, **Local Chapter of NPTEL-SWAYAMand IIRS Dehradun.**
7. Implementation of effective **vertical mentoring system for students** to encourage peer mentoring

and incorporation of **Proctor Module on EMS**

8. Supporting faculty members for **Qualification enhancement**, considerable increase in percentage of teachers with doctorate degree.
9. **S**uccessful inculcation of the culture of **product-based research and encourage entrepreneurship** via providing support to the students for **start-up registration** under NewGen IEDC scheme of DST.
10. Introduction of two-credit Research-Innovation-Catalyst Course at UG level while promoting the culture of Research.
11. Successful **career and counselling guidancetrainings** through CDC and CRC cells of the University.
12. Notable Research Outcomes in terms of improved publications, Patents, more than 45 Start-ups,Sponsored Research Projects,Consultancy undertaken since 2016-17 and 28 as the h-index of the University.

Quality enhancement initiatives in Administrative Domain:

1. Setting up **guidelines and conduct of Academic and administrative audit**of all departments of MRIIRS and impact analysis
2. **Implementation of e-governance** across the domains of the University
3. **IT-integration** for Examination Processes.
4. **Policies and Processes** were defined for each domain of the University
5. **ISO 9001:2015 certification** of three units: Library, Examination and CRCMC (Corporate Resource and Career Management Centre).
6. **Environment Management SystemISO 14001:2015certification, Energy Management System ISO 50001:2018certificationand Green Audit Certification** for MRIIIRS.
7. **Regular conduct of Professional Development Programmes** for faculty and Staff members.
8. The university is highly active in meeting its **Institutional Social Responsibilities**.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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:

MRIIRS assigns utmost priority to gender equity and its sensitization as a critical dimension to its overall philosophy and societal approach.

1. University has more than 40 percentage of girl students in the University Campus.
2. MRIIRS faculty has a preponderance of female faculty. In fact, female faculty outnumbers the male faculty (Percentage of female faculty is more than sixty one). Administrative staff again has large percentage of female members.

Before the start of every Academic Year, Women and Gender Sensitization Committee (WGSC) prepares Annual Gender Sensitization Action Plan for promoting awareness about gender equity among the students, teaching and non-teaching staff members within the campus.

University has incorporated numerous courses related to gender equality. These courses are offered in various programs of the University for making the students aware of gender equity.

For ensuring the safety and security of women in campus, the following various measures have been taken and are in place:

a. Safety and security

- Internal Complaints Committee which ensures zero tolerance towards sexual harassment. University has strict compliance with Vishakha Guidelines against sexual Harassment in the campus.
- Cameras are installed at all the significant places and are regularly monitored in camera surveillance room.
- MRIIRS buses are equipped with all safety devices like fire extinguishers, First-Aid kits , GPS to track the bus location, route, speed etc. Buses of MRIIRS board and de-board the students inside the campus premises only at the scheduled time of arrival and departure.
- In-campus dispensary facility is available besides state-of-the-art Dental and Physiotherapy OPD for all the students, faculty and staff. University has tie-up with renowned nearby hospitals in Faridabad: Sarvodaya and Asian Hospital. Two well-equipped ambulances remain available in campus to cater to any exigencies thus ensuring highest medical safety.
- Guards are available 24 hours at each gate of University, Girls Hostel and Boys Hostel. Female guards and female hostel warden maintain proper log record for the safety of girls.
- Girls Washrooms are facilitated with Sanitary Pad Dispensers for round the clock availability of Sanitary Napkins.
- University has joined hands with Faridabad Police by signing a MoU as part of AAPKI SURAKSHA AAPKE SATH to create an environment of safety and harmony.

b. Counselling Cell

Counselling Cell provides support and assistance to students in all areas of life. It also provides support related to LGBTQ issues, gender identity and sexual orientation or any other mental health related required support.

c. Common Rooms

University Campus has separate Girls common Room and Boys Common room with all required necessary facilities.

d. Day care center for young children

MRIIRS believes in and values the contribution of each and every associate of its large and extended family who is working in tandem with the core group to take Manav Rachna to newer heights of glory and achievement. In keeping with its humanistic approach of 'ManavkiRachna', MRIIRS has launched Bloomz – The Day Care free of cost facility for the children of its faculty and staff members.

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	View Document
Annual gender sensitization action plan	View Document

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	View Document
Any other relevant information	View Document

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:

Solid waste management

Waste bins with different colors are used to separate wet, dry, and hazardous waste. M/s Urban Solutions has installed a bio-composter at the University. The composter receives organic waste, which includes garden waste and food waste. It has a daily composting capacity of 75 kg, and the compost produced is used as organic fertilizer in the campus gardens.

MRIIRS has signed an agreement with M/S Ecogreen Energy, Gurugram, to recycle stationary and non-biodegradable waste. M/S Ecogreen Energy is a waste collector authorized by the State Government of Haryana, the Municipal Corporation of Gurugram, and the Municipal Corporation of Faridabad, and is certified through a concession agreement for integrated solid waste management (collection, transportation, processing, and disposal), ensuring that the majority of waste is recycled and only residual waste is disposed of.

Liquid waste management

The Sewage Treatment Plant of 200 KLD capacity is installed in the university campus treats the sewage water and removes contaminants. The cleaning and maintenance of STP is done on a regular basis and treated water is checked for all the essential physico-chemical parameters to monitor the quality. The treated water is further re-used to flush the toilets, washing of buses and for irrigation purposes in gardens of the university, enabling almost ‘Zero discharge’.

Biomedical waste management

MRIIRS is authorized to handle Biomedical waste by Haryana State Pollution Control Board, vide Authorization No. BMW20FDBD7141842, dated 17 January, 2020. The biomedical waste is disposed in color coded bins with closed lids for segregation and is further collected on regular basis by an authorized company. MRIIRS has agreement with ‘Golden Eagle Waste Management Company’ for managing Biomedical waste generated in the campus. The company is authorized by HSPCB for collection, storage, transport, treatment, safe handling and disposal of Biomedical waste.

E-waste management

E-waste has been effectively implemented and managed as per SOP. MRIIRS has agreement with BRP Infotech Pvt. Ltd, Delhi, the company is authorized by Delhi Pollution Control Committee and UP Pollution Control Board for E-waste management for collection, transport, storage, dismantling, segregation, and recycling of e-waste. After due process, e-waste destruction certificate is provided by the registered vendor.

Waste recycling system

- The paper printed on one side is reused from other side before discarding.
- Desktop systems are refurbished for reuse if possible.
- Exhausted printer cartridges are also refilled for reuse.
- Biodegradable waste is used to make compost in a bio-composter.
- Sewage treatment plant enables partial purification of waste water for recycle and reuse in the campus itself.

Hazardous chemicals and radioactive waste management

Hazardous chemicals used in laboratories are disposed following the bio-safety measures. Chemicals used in laboratory experiments are pretreated before disposal, such as the acids and alkali are diluted and neutralized, nutrient media and other potentially infectious material like microbial samples are autoclaved and disinfected. Waste/ used oil from generators is collected by Mahavira Udyog, Rohtak, for treatment, recycling, disposal according to HSPCB norms. No radioactive material is used in the University.

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

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

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

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

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document

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	View Document
Certification by the auditing agency	View Document
Certificates of the awards received	View Document
Any other relevant information	View Document

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	View Document
Geotagged photographs / videos of the facilities	View Document
Details of the Software procured for providing the assistance	View Document
Any other relevant information	View Document

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:

MRIIRS recruits faculty, staff and admits students from every State and Union Territory of the country besides those from foreign countries. MRIIRS represents the kaleidoscopic diversity of the country in the cultural, regional, linguistic, communal and socioeconomic dimensions. The University has created learning environment wherein equal opportunity is provided to students of any ability level in terms of holistic learning.

- Manav Rachna Centre of Foreign Languages (MRCFL) at MRIIRS offering foreign languages opens up various avenues for the learner and helps one to keep up with the increasing globalization.
- University has a large number of cultural activities available for foreign students and students from other states who interact and mingle with each other. For providing an inclusive environment through interplay and inter-exchanges into varied cultures of different regions, the University focuses on celebrating different regional festivals with great gusto and fervor.
- University celebrates various regional festivals like **Diwali, Onam, Eid, Christmas, Vaisakhi, Ganesh Chaturthi etc.** so as to inculcate cultural traditions and regional harmony.
- **A Multi-Cultural Fashion Show** is organized to emphasize diversity and **cultural fusion.** The goal is to display the different attires of various cultures as well as to unite everyone in a single showcase event. MRIIRS lays huge emphasis **sports events** involving students from diverse groups to mingle with each other seamlessly and to come out as one harmonious outfit. This provides a great opportunity for a **cultural coalescence** and a training ground for participative engagement and teamwork.
- Considering the importance of **linguistic diversity,** the students are encouraged to get familiar with diverse languages, customs and mannerism. **Matrabhasha Diwas (International Mother Language Day)** is celebrated every year to represent the significance of Multilingual Cultural Heritage amongst students, faculty and staff members.
- **FESTO IN OSTELLO: Multi Cultural Hostel Eve** is celebrated so that all the hostellers get familiar with each other's culture, language and traditions.
- **Food items of different states** are included in the hostel menu and canteens to share varied eating habits. This also enables students from different states not to be deprived of their local cuisines and also enables all students to get an immersion into various food habits and lifestyles.
- **National Unity Day(Rashtriya Ekta Diwas)** is celebrated every year in the University wherein all

the students/faculty members take pledge on India's Unity integration and security of nation.

- **Cultural Exchange Program with foreign Universities**is also being organized for exchange of traditions, culture and teaching – learning.
- Other important events which represent a symbol of inclusiveness such as **Independence Day of Bangladesh**, **Transcendence- a celebration of cultural and linguistic diversity**, **Guru Purnima**, **Ambedkar Jayanti, Celebration of Bathukamma etc.** are also celebrated.
- The university is a part of the 'Ek Bharat Shrestha Bharat' a government initiative towards student's cultural exchange program leading to an understanding and appreciation of diversity, culture, traditions and knowledge of different parts of India. MRIIRS is one of the educational institutions that have participated in the exchange program with university of Telangana, in 2022.

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

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:

MRIIRS consider it as utmost imperative for the students, faculty and employees to be sensitized over the basic rudiments of the Constitution of India like Fundamental Rights, Directive Principles of State Policy, Fundamental Duties besides other consanguine aspects.

1. As compliance to the mandatory requirement of offering a fundamental course, **Constitution of India**, is included in the curriculum,so as to ensure a more than elementary knowledge of our Constitution. The course takes the student beyond the routine by relating the course contents to real-life governance, societal and legal situations.
2. **Constitution Day** is celebrated every year on 26th November to sensitize all the students/ faculty members about fundamental rights, duties, values and responsibilities of the citizens as stated in the Constitution of India. Every year **Republic day** is celebrated on 26th January wherein various activities are organized highlighting the importance of the Indian Constitution.
3. During Student Orientation, a session on **Universal Human values** is conducted every year wherein it is emphasized that human values play significant role in everyone's life at various stages including education and career and describe the overall personality of an individual.
4. Throughout the academic year various events such as Workshop for promoting Healthy Mind, Body and Soul, Orating Skill Workshop: **Shabdotasava- Words have power**, **Yoga Workshop for Holistic Wellness**,**Donation Drive in Association with All India Council of Human Rights** , **Liberties and Social Justice**, **District Youth camp by Red Cross Society**are organized for integrating Moral Values in the students/faculty /staff.
5. University also organizes **Blood Donation Camps** in association with Rotary Club in the Campus every year. These camps sensitize students about the importance of donating blood for the cause of

saving valuable human lives and inculcate the good human values.

6. Constitution enshrines certain **fundamental duties**. One of the most **fundamental duties is to protect and improve the natural environment**. Keeping in view the same context, various activities are organized by the University such as One Student One Tree, Awareness Programs on Water Conservation, Consciousness Program on Saving Environment, Essence of Water: Jalsa, Forest and Nature Conservation Program, Air pollution Management, Two Weeks Green India Campaign, Annual Cleanliness Program under Swachch Bharat Abhiyan.
7. **National Voter Day** is celebrated in the University campus so as to encourage the students/faculty/staff to participate in the vote in the electoral process. The objective is not only to encourage the youth to participate in the electoral process but also to focus on the fact that the **right to vote is a basic right.**
8. Further, various events/activities are held in the campus related to **Voter Awareness, Voter Enrolment Drive, Aadhar card, Anti Ragging** etc. which enable students, faculty and staff to enhance a level of thinking conducive to a civil behavior in consonance with demands of the Constitution.
9. **Fundamental Duties to Understand Rules and Regulations on Road Safety:** Awareness Program in association with District Legal Services Authorityis organized in the University to create a feeling of **Social Responsibility** amongst the students.

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	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

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

Response:

MRIIRS sets great store by imbibing a spirit of nationalism, love and pride for the country in all its

stakeholders. In today's world when materialism and glamour have a tendency to take over the traditional values and ethos, celebrating days / events of national importance with full fervor and fanfare has an effect of restoring the values and legacy in students and faculty alike.

At MRIIRS, ever since its inception, University has been most fastidious in celebrating National/International days like Independence and Republic Days, International Peace Day, World Student Day, Indian Armed Forces Flag Day etc.

1. **Celebrations of Independence Day and Republic Day** are an important regular yearly feature. On both of these days of historic importance many hundreds of students and faculty including senior most functionaries and top management assemble in the University ground for flag-hosting, National Anthem followed by spirits-raising address by senior Army veterans (MRIIRS has a large number of Army veterans in the faculty and other senior functionaries). University also invites celebrated Army soldiers and Officers on such occasion to administer an oath on students to abide by all the rules of the civil society and serve the country to the best of one's ability.
2. Women and gender Sensitization Committee observes the **International Women's Day** every year to empower the women community on and off the campus by conducting special talks on Gender Equity.
3. To commemorate the birth anniversary of Swami Vivekananda, **National Youth Day** is celebrated every year in the University Campus.
4. **National Unity Day** is celebrated as "**Rashtriya Ekta Diwas**" to commemorate the birth anniversary of Sri Sardar Vallabh Bhai Patel wherein various activities related to "unity and culture" is organized.
5. Talks and lectures are organized by eminent Educationists and teachers on the occasion of Teachers' Day. **Swacchata Pakhwada** is also observed through various activities on the occasion of 150th Birth Anniversary of Mahatma Gandhi under "SwachhBharath – Swasth Bharat" a "Clean India Campaign". **Voters day, Constitutional Day** etc are celebrated to create awareness on fundamental rights and duties among students. International Yoga Day is celebrated with full fervor.
6. Celebration of **National Engineers Day** in recognition of Bharat Ratna Mokshagundam Visvesvaraya's contribution towards nation building is favourite among all Engineering students. Similarly, **World Physiotherapy Day, National Nutrition Month, Doctors Day, National Journalism Day, Environment Day , World Earth Day , International Women's Day** are celebrated by different departments of University.

MRIIRS go on to celebrate other important Days like **Kalam's Day, Swami Vivekanand Jayanti, Armed Forces Flag Day, Surgical Strike Day-"Raksha", World No Tobacco Day, World Kindness Day, National Youth Day, World Environment Day, International Dance Day, National Civil Service Day, World Space Week** etc. by organizing seminars with distinguished persons, celebrities and leading personalities to encourage the students and inspire to surge ahead in their professions and become role model citizens of this country for others to emulate.

File Description	Document
Geotagged photographs of some of the events	View Document
Any other relevant information	View Document
Annual report of the celebrations and commemorative events for the last five years	View Document

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-I

Title of the Practice: Germination of Research and Entrepreneurial Inclination in Students.

Objectives of the Practice

The conventional objective of students in present higher education ecosystem is to attain job after graduation for good and promising career. This leads to an inbuilt tendency to stymie the spirit of inquisitiveness, research and entrepreneurship. With introduction of lucrative Flagship National Programmes, there isa need for venturing into start-up culture for 'Aatmanirbhar' Bharat. With a strong belief that this holds key for India's future and the future of our graduates, MRIIRS has launched the initiative for enabling out-of-the-box thinking and spur research culture and entrepreneurial yearnings for cascading win-win situations.

The Context

1. Many new vistas of entrepreneurship have now opened up and their wide-reaching sweep is limited only by one's imagination.
2. Today a large number of enterprises are ventured out by people in their young age across the globe. Some of the apps and thriving industries have been started by youngsters even in schools. So, a new trend has emerged where there is no threshold age for entrepreneurship.
3. This practice has spread right across students of all streams and disciplines. In today's world there is a cross-domain movement in the engagement of research and entrepreneurship. Area of research and entrepreneurship is not specified to any one discipline or domain. So students are guided to pursue their innate ideas without let or hindrance. This thus, requires courage and an unconventional approach to venture out on a path of research and entrepreneurship which is out of place with commonplace thinking.

The Practice

MRIIRS has research, innovation and entrepreneurship as bedrock of its knowledge dissemination, training and mentoring. Research, Innovation and Entrepreneurial facilities have been setup to facilitate our students to venture on to the path of innovation and entrepreneurship.

To this end:

1. MRIIRS has Research & Innovation Clusters (RICs), Research Incubator(RI), Business Incubator(BI), Intellectual Property Rights(IPR) Cell and Centres of Excellence (CEs) in collaboration with Industry leaders:

- Mitsubishi Electric Centre
- Automotive & Research Centre (Honda Motors)
- Advanced Water Technology & Management Centre
- INTEL
- Solar PV Skills
- Sports Science Centre
- Electric One Mobility

◦ Through RICs, ubiquitous culture has been ushered into encourage and spur students to engage in research and innovation in their formative years. There are eight such clusters. The inchoate ideas of students towards research and innovation are transformed into tangible shape in the RICs in terms of research papers or prototype development.

◦ Seven Centres of Excellence which have been set up in collaboration with industry leaders to enable students to get hands-on experience on contemporary industry practices, hone up their skills towards innovation and enterprise.

◦ Through Research Incubator, Business Incubator, Intellectual Property Rights (IPR) Cell; students receive an all-important exposure, mentoring and guidance to get into the area of research, Paper Publications, Patents Filing, Conceptualizing and Designing Start-ups.

◦ These endeavors pave the way for inculcating tangible skill-sets spanning over the transformation of conceptual ideas into viable products and incubation of start-ups. These activities have a strong motivational and burgeoning influence on a large section of student community to come out of their shell and strive towards research and innovation.

1. MRIIRS has been granted financial support of Rs. 2.87 Cr from DST-NESTEDB, Govt. of India for setting up ManavRachna New Generation Innovation and Entrepreneurship Development Centre (MR NewGEn-IEDC) in the campus to nurture student- entrepreneurial ventures. The Centre works in an area of 5000 sq.ft. and is equipped with all the required infrastructural and technological facilities. Each start-up that is initiated in this Centre receives a funding of Rs. 2.5 Lakhs for the development work along with recurring grant. The practices adhered to have an incisive positive effect on the pedagogy also. While assimilating knowledge in the RI and BI, a student whilst engaged in his or herentrepreneurial pursuits is at once able to correlate his or her hands-on experience with classroom teaching. This is experiential learning in the truest sense and also promotes teamwork and participative learning.

Evidence of Success

Efforts expended in the course of this practice through well-defined Research Clusters have culminated in the form of 369 research publications by the students in the peer-reviewed journals. 47+ start-ups are being incubated or have been incubated out of which 12 start-ups under NewGen IEDC-DST sponsored projects are in progress. More than 76 Students/Alumni have started their ventures out of which 23 ventures are running successfully. Some notable operational start-ups, are mentioned below:

1. Techno Planet Lab Private Limited
2. Hyfn Games Private Limited
3. TrichoAgronica Private Limited
4. Parimukh Innovations Private Limited
5. Aarkaya Solar Solutions Private Limited
6. Tackyon Motor Sports Private Limited
7. Nature's Drop
8. Campus Dock
9. Vagabond Brains
10. GeAr (Smart Watch)
11. ThapKrida
12. TFT Innovation
13. Med Life Care
14. Night Labs (Hel-tech)

The above efforts have culminated in a thriving ecosystem of research, innovation and enterprise which transcends way beyond the customary classroom teaching. This exposure and results obtained there upon are very encouraging. Students who are in an impressionable stage of life at the University are very sharply amenable to peer-group activities; hence the culture of innovation and enterprise has spread wide afar in the University.

Problems Encountered and Resources Required

1. A change of mindset from normal classroom teaching and routine academic life to one of the assiduous and unrelenting pertinacity and efforts is the first and foremost requisite. However, necessary motivational inputs from faculty are helping on this count.
2. Students have to reschedule their timetable to trade-off between their classroom commitments, examinations and engagement towards their entrepreneurial endeavors.
3. There is a need for extensive outreach efforts and financial resources for drawing expertise from the industry to help students gain input about the latest market practices and technological requirements.
4. A host of support systems like physical infrastructure including labs and digital resources along with human infrastructure are needed which involve substantial financial outlay.

Best Practice-II

Title of the Practice: Fostering the culture of Environmental Sustainability acrossthe campus and in nearby areas.

Objectives of the Practice

1. In consonance with the vision of the University to nurture its students into responsible citizens of the nation and the world; sensitize students to the most debilitating challenge of environmental degradation and risk to ecology.
2. To facilitate experiential learning for students in respect of social and technological aspects of environmental sustainability. This shall pave the way for inculcating core values like contributing to national development and fostering global competencies.
3. To facilitate a clean and green campus with a salubrious environment to students and assist them in the pursuit of academics.

The Context

1. There is a growing need for sustainability across the globe. Global warming, forest fires, frequent cyclones and ravaging floods in recent times are an ominous warning of environmental degradation and its consequences. This is the most critical issue of gigantic dimensions facing the mankind. Raising consciousness and desire to do their bit in facing the environmental challenges of the world is the essence of designing and implementing this practice.
2. Economic development both at micro and macro level is most crucial for mankind but on the other hand it leads to environmental degradation through air pollution, global warming, destruction of natural environment because of vehicular emissions, carbon footprint, energy use, food production and other reasons. As the entire world tries to find bigger solutions, the simpler ones in maintaining ecology lie in use of technology connected EVs, renewable sources of energy, efficient waste management and water conservation.

The Practice

1. The Institution has defined, established, and implemented the Environmental Policy and Green Policy as per International Standards
2. Limiting power consumption - Solar power complements the total power supply in the campus to meet the power requirements while LED devices and sensor-controlled electric appliances are notable features to ensure an efficient power consumption system and use of renewable energy sources
3. Saving water –For ensuring minimal wastage of water,
    1. Recycled water is used for horticultural activities
    2. Rainwater harvesting facilities are in place
    3. Automatically closing taps are installed
4. Waste Management – Efficient waste management is the need of the hour for our country. Waste management practices are adhered to for a clean and safe environment, and for leading the way for students. In this regard,
    1. A Sewage Treatment Plant of 200 KLD capacity, a Bio-composter with a composting capacity of 75 Kg per day, and a Biogas Plant have been installed in the campus
    2. The Institution has undertaken MoU’s/Agreements with various waste management companies such as
        1. M/S Ecogreen Energy for solid waste management
        2. Golden Eagle Waste Management Companyfor managing Biomedical waste
        3. BRP Infotech Pvt. Ltd, Delhi, for managing E-waste
        4. Mahavira Udyog, Rohtak for management of used oil from generators.

5. Green audit and energy audit by nationally and internationally approved bodies are regular features for mid-course correction, wherever needed
6. Cleanliness –
    1. MRIIRS has a lush green campus with its verdant surroundings spread over 79056.64 sqm. with hundreds of plants and trees. Butterfly garden in the premises of the campus enhances the beautification towards the nature and cleanliness. A round-the-clock exercise is sustained to maintain a clean campus- be it a classroom, laboratory, hostel, sports field, canteen, or any other common utilities
    2. The University has been following the **Swachh Bharat Abhiyan** to the hilt. Students have been actively involved in the much- acclaimed refurbishing cleanliness drives for the Faridabad Railway Station and Sanjay Colony in the Faridabad District. Apart from sensitizing students towards the much-needed cleanliness culture, such activities impart hands-on training in participative efforts, teamwork, experiential learning, contributing to the national development and other core values.
7. Afforestation –
    1. It is a well-embedded practice in MRIIRS to plant numerous trees on any occasion of significance like Independence Day, Republic Day, Founder's Day, Teachers' Day, etc. Leading by example, the University has encouraged many a student to do their share in planting and nurturing trees.
    2. The University has conducted several plantation-drives in Faridabad district covering various villages, an effort which has been appreciated time and again.
8. Appreciation of nature's beauty – Horticulture accorded high priority in MRIIRS. The University has a strong team of horticulture specialists who ensure that the campus continues to blossom throughout the year. All this not only lends an aesthetic appeal but arouses in our students a strong love and bonding for the Mother Nature.
9. MRIIRS has set up an Advanced Water Technology & Management Centre of Excellence. This Centre has been engaged with Faridabad Administration for revival of Badhkal Lake in Faridabad.
10. Awareness programs – The University partakes in several environment conservation initiatives including but not limited to conferences, competitions, plantation drives, sapling gifting, student campaigns, radio campaigns through community radio of the university i.e., RMR 107.80 FM, distribution of paper bags to curb use of plastic, etc.

Evidence of Success

1. The institution holds coveted recognitions of ISO 14001:2015 (Environmental Management System); ISO 50000: 2011 (Energy Management)
2. MRIIRS has very frequently been the recipient of awards by the regulatory and other civic bodiesviz. the District Green Champion in 2021 by the Department of Higher Education, the One Student One Tree Award in 2019 by AICTE and many others.
3. The Village Sarpanches have showed their appreciation about the many plantation drives undertaken by the University.
4. An aesthetically appealing campus with widespread spick and span environment which is sustained throughout the year.
5. The Advanced Water Technology & Management Centre of Excellencehas been allocated Wash Innovative Lab supported by USAID involving a funding of Rs. 20 lakhs to undertake various activities pertaining to water.The centre is currently engaged in Atal Bhujal Yojna-AtalJal as district implementation partner for three districts in Haryana and State Implementation Support Agency (SISA) in Jal Jivan Mission with Government of Haryana and has an Air Quality

Monitoring Lab supported by DST, GoI.

Problems Encountered and Resources Required

1. Intensive efforts towards environmental sustainability and resources needed are highly capital intensive and time consuming. They can only be carried out by financial grants and support from the Government bodies and local administration. A change of mindset is imperative in the Government agencies to realize the importance of environmental sustainability and the perils resulting from risk of ecology.
2. Since any endeavor towards environmental sustainability entails working in the field for tangible result, it is taxing on students and faculty to take out time from their rigorous academic schedule.

The Government and non-Government bodies must be forthcoming with support grants to fortify our research activities particularly in the area of Electric traction, reduction of carbon footprint, research in batteries for vehicles, waste to value, remediation, energy conservation and use of renewable sources of energy.

File Description	Document
Best practices in the Institutional web site	View Document
Any other relevant information	View Document

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:

Institutional Social Responsibility (ISR)

A salient statement in the Vision and Mission of MRIIRS has been to train its students in the backdrop of Indian ethos and values to enable their transformation into insightful, honorable, and responsible citizens of India, who work and dedicate themselves for the advancement of humanity. Since its inception, MRIIRS has rendered extension services to the people of Faridabad District and adjoining areas, which has brought about seminal changes on many fronts. With a great emphasis on the values of humility and gratitude, the students and faculty members have taken up the cudgels for societal upliftment of the general population of Faridabad district and contiguous areas through its ISR initiatives.

The ISR arm of MRIIRS, Dr O P Bhalla Foundation, operates with the objectives to carry forward philanthropic and development activities in various fields like education, sustainable development, environment protection, women empowerment and gender equality, health and wellbeing, geriatric health care, empowering weaker sections of society and reviving our rich cultural heritage. Serving the nation through efforts in inclusive growth, societal development, and diversity conservation, the students, and staff of MRIIRS have endeavored with great alacrity and commitment.

Some important initiatives in achieving this have been:

1. **Adoption of 5 villages:**
    1. Maujpur, Hirapur, Nariyala, Chhainssa, Panhera Khurd of Faridabad district
    2. The school facilities in these villages have been upgraded by stocking libraries, constructing toilets, providing furniture, and installing solar panels
    3. Vocational centers for imparting computer education and spoken English have been established
    4. Students have been provided with education equipment, uniforms, textbooks, and notebooks.
    5. Workshops are conducted for capacity building of teachers and school heads using latest teaching aids and equipment and ICT resources.
    6. Mega plantation drives were carried out
    7. Villagers were sensitized about hygiene and cleanliness, which helped the District Administration in making these villages ODF (Open Defecation Free).
2. **Adoption of Old Faridabad Railway Station**: While discharging its obligations towards Swacch Bharat Abhiyaan, MRIIRS adopted the Shiv Mandir premises of the station for regular cleaning.
3. **Vocational training for potential dropouts in collaboration with the National Skill Development Corporation**:
    1. MRIIRS collaborated with NSDC and Kedman (a joint venture of Manav Rachna and Kunskapskolan, Sweden), to start a pilot project after approval from NSDC with an aim to cover 100 Schools in the State of Haryana.
    2. Under the project, vocational training shall be providedin 3 important Sectors of Retail, IT and Beauty & Wellness.
    3. This Project provides digital education through Labs equipped with laptops, overhead projectors aided by UPS, internet connectivity and modern furniture. A dozen vocational Labs have already been set up.
4. **Teacher On Call Program**:
    1. An innovative initiative, it is a Helpline with 30 parallel lines for free service to the Students of Government Schools of Faridabad district through a Toll-Free number.
    2. The facility is being availed by around 7500 students and their doubts/ queries are being removed by 350 Teachers during scheduled hours throughout the week.
    3. This project has helped in significantly raising competency levels of Government School students, whose performance used to be very low during Board Examinations.
5. **Health Camps:**
    1. These include dental and physiotherapy services provided through mobile clinics and on-site camps
    2. Blood Donation Camps are a regular feature, with around 6500 units of blood collected during recent years.
6. **Women Empowerment:** Several activities are conducted throughout the year for giving impetus to individual efforts for women empowerment – from organizing workshops, seminars, and conferences to felicitating women entrepreneurs to recognizing meritorious female students in the campus. The International Women's Day is an annual celebration at the university.
7. **Mental Health initiative 'Saathi':**
    1. Launched in 2020 during the pandemic with trained Clinical Psychologists to provide emotional First Aid and crisis management inputs, helping the people who were stressed out due to difficult times.
    2. A substantial number of elderlies, students, working women, housewives, etc., mostly

suffering from anxiety, fear and depression were taken care of through online counselling.

8. **Community Radio:**
    1. The University has been in the vanguard of societal accretion of the Faridabad district through its very popular Community Radio (Granted by the Govt of India).
    2. Its programs cater to the domain of educational, spiritual, entertainment, cultural, women empowerment, environment, health, hygienic living, career counseling, and eradication of vices amongst youth for public.
9. **Collaboration with other NGOs:**
    1. Sparklife for literacy project for slum children
    2. Sheows for adopting Old Inmates
    3. Voice of Voiceless for helping Animal Shelter Project
    4. Akriti Fondation for providing assistance for mentally retarded inmates.
    5. Feeding India for providing cooked food/raw grains to needy people.
10. **Fight against hunger through 'Ek Mutthi Daan':** Under this initiative, around 50,000 kg of wheat, rice, grains and cereals have already been collected and donated to orphanages, old agehomes, animal shelters and to District Administration (for supporting migrant labourers during Covid).
11. **Measures during COVID-19 pandemic:**
    1. A donation of Rs. 51 Lacs (by students, staff, faculty, and management) was contributed towards CM Relief fund on appeal from the Chief Minister to take up relief measures during Covid lockdown and thereafter.
    2. Active participation was undertaken for well-being of employees of MRIIRS, and their families, relatives, and friends by providing medicine, oxygen cylinders, masks, food etc. in general and emergency situations.
    3. Isolation centers for COVID patients were established in campus with ONGC for caring of Covid patients in district Faridabad.

Recognizing the pluralistic culture, kaleidoscopic societal norms, abounding diversity, varying lifestyles and work attitudes, and deep chasm between living conditions and earning capacity of people, MRIIRS through its students and faculty, has relentlessly engaged in ameliorating the plight of deprived sections of society on its own, as well as in collaboration with governmental and local administration bodies.

File Description	Document
Any other relevant information	View Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

An ubiquitous ecosystem obtains in the university to propel the students to plan for and aim for having their start-ups rather than following the much trodden path of struggling to get jobs. This has paid good dividends.

The recent establishment of Springer Nature lab in the university campus is another promising research aspect. The Lab offers access to over 1700 Springer Nature Branded journals in the areas not limited to Science, Technology, Biomedical, Life Science and Medicine.

MRIIRS is a gender-inclusive organization. A very healthy proportion of females hold important positions in the higher echelons of academics and administration.

Encouraged by our alumni who have cleared UPSC Civil Services Examination to get selected to IAS, IPS and other Central services, many of our students have imbibed a determination to get into such most exciting careers under the Government of India.

The University has made rapid strides in sports activities. MRIIRS was awarded the coveted Rashtriya Khel Protsahan Puraskar 2021 by the Hon'ble President of India in a glittering ceremony at the Rashtrapati Bhawan. Shri Sarkar Talwar, Director Sports, MRIIRS, a renowned Indian cricketer and coach was conferred with the Guru Dronacharya Award in the same function.

Besides, MRIIRS provides most modern sports facilities to nurture top-rate sportspersons particularly in the area of shooting and badminton. Alumni of MRIIRS have participated in a number of Olympics and CG games and brought laurels to their country and alma mater. One of them- Shahbaz Ahmed plays for a leading franchise in the IPL.

MRIIRS has become the first institute in the country as receiver as well as sender under a government initiative - the 'Ek Bharat Shrestha Bharat', towards students' cultural exchange program for understanding culture, traditions and knowledge of different parts of India. Under this initiative, 25 students from MRIIRS along with 25 students from schools of Haryana visited Malla Reddy College of Engineering Telangana and 25 students from Jai Mukhi College of Engineering Telangana and 25 school students of Telangana visited MRIIRS and all were exposed to the rich cultural heritage of Haryana.

Concluding Remarks :

MRIIRS has been a forerunner in discussions and dissemination of knowledge in the world of academia. With the spirit of continual evolution at the heart of its endeavors, not only did MRIIRS follow some practices that became a part of the New Education Policy, but also readily adopted several changes in line with the policy after its promulgation. All our quality processes cater to the very ingeniously designed seven quality parameters of the National Assessment and Accreditation Council (NAAC). In an endeavour to undergo II cycle of assessment and accreditation exercise by the NAAC, we are submitting this Self Study Report (SSR).

6.ANNEXURE

1.Metrics Level Deviations

<table>
<tr><td>Metric ID</td><td>Sub Questions and Answers before and after DVV Verification</td></tr>
<tr><td>3.4.3</td><td>Number of Patents published / awarded during the last five years.

3.4.3.1. Total number of Patents published / awarded year-wise during the last five years.
Answer before DVV Verification:
<table>
<tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr>
<tr><td>48</td><td>6</td><td>8</td><td>2</td><td>2</td></tr>
</table>
Answer After DVV Verification :
<table>
<tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr>
<tr><td>52</td><td>5</td><td>8</td><td>2</td><td>2</td></tr>
</table>
Remark : DVV has made the changes as per shared report of patent published by HEI.</td></tr>
<tr><td>3.6.2</td><td>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:
<table>
<tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr>
<tr><td>5</td><td>18</td><td>10</td><td>6</td><td>2</td></tr>
</table>
Answer After DVV Verification :
<table>
<tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr>
<tr><td>5</td><td>17</td><td>7</td><td>4</td><td>1</td></tr>
</table>
Remark : DVV has excluded certificate of appreciation.</td></tr>
<tr><td>3.6.3</td><td>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:
<table>
<tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr>
<tr><td>12</td><td>34</td><td>32</td><td>29</td><td>23</td></tr>
</table></td></tr>
</table>

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
08	31	29	24	20

Remark : DVV has not considered days activities.

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:

2020-21	2019-20	2018-19	2017-18	2016-17
1754	2566	4903	3103	4093

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1125	2100	3658	2958	4102

Remark : DVV has made the changes as per 3.6.3

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)**

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)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
46.38	76.03	84.27	50.69	81.60

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
45.38	70.38	75.80	45.21	70.68

Remark : DVV has made the changes as per considered only Annual expenditure for the purchase of books and journals including e-journals by HEI.

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:

2020-21	2019-20	2018-19	2017-18	2016-17
1012.97	1018.77	870.36	867.14	838.33

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
834.25	881.205	736.19	729.25	629.10

Remark : DVV has considered only Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary.

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.**

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**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
3529	4409	5173	5908	5603

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
3529	4409	5173	5620	5603

Remark : DVV has made the changes as per ep-2.1

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).**

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).***

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
8.62	4.62	0.50	25	0.00

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17

8.62	4.62	0.50	25.00	0.00

Remark : DVV has converted the value into lakhs.

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations