



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution		MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES
• Name of the Head of the institution	Dr. Sanjay Srivastava	
• Designation	Vice Chancellor	
• Does the institution function from its own campus?	Yes	
• Phone no./Alternate phone no.	01294198322	
• Mobile no	9560299099	
• Registered e-mail	vc@mriu.edu.in	
• Alternate e-mail address	director.qa@mriu.edu.in	
• City/Town	Faridabad	
• State/UT	Haryana	
• Pin Code	121004	
2.Institutional status		
• University	Deemed	
• Type of Institution	Co-education	
• Location	Urban	

• Name of the IQAC Co-ordinator/Director	Dr. Rashima Mahajan				
• Phone no./Alternate phone no	01294198304				
• Mobile	9910105725				
• IQAC e-mail address	director.qa@mriu.edu.in				
• Alternate Email address	pvc@mriu.edu.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	http://mriirs.edu.in/international-institute-of-research-and-studies/aqar/				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:					
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.05	2015	16/11/2015	15/11/2020
6.Date of Establishment of IQAC			31/07/2009		
7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.					

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Department of Civil Engineering, FET, MRIIRS	To organize FDP under AICTE-ATAL Scheme-ATAL FDP on contemporary advances in sustainable and integrated infrastructure.	AICTE	2021 30	93000
Department of Mechanical Engineering, FET, MRIIRS	To organize FDP under AICTE-ATAL Scheme-ATAL FDP on Design Thinking for manufacturing excellence	AICTE	2021 30	93000
Department of EEE, FET, MRIIRS	To organize FDP under AICTE-ATAL Scheme-FDP on Robotics and Artificial Intelligence	AICTE	2021 30	93000
Department of Computer Science and Engineering, FET, MRIIRS	To organize FDP under AICTE-ATAL Scheme-FDP on Industry 4.0 : Digitization , Sensorization and Optimization	AICTE	2021 30	93000

Department of Business Studies, FCBS, MRIIRS	To organize FDP under AICTE-ATAL Scheme- Developing Real Life Case Studies	AICTE	2021 30	93000
Department of Electronics and Communication Engineering, FET, MRIIRS	MODROB-Regular	AICTE	2021 730	1911041
Department of Civil Engineering, FET, MRIIRS	Co-solving Water Logging and Ground Water Depletion Issue in parts of Faridabad Smart City using Underground Taming of Flood Water for Aquifer Storage and Recovery	DST	2021 1095	7012720

8. Whether composition of IQAC as per latest NAAC guidelines	Yes		
<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	View File		
9. No. of IQAC meetings held during the year	4		
<ul style="list-style-type: none"> • The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. 	Yes		

(Please upload, minutes of meetings and action taken report)		
<ul style="list-style-type: none"> (Please upload, minutes of meetings and action taken report) 	View File	
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1. Accreditation and Rankings: a. NBA Accreditation of MBA Programme & 4 UG Engineering Programmes of CSE, ECE, Mechanical and Biotechnology. - SAR was submitted successfully during Dec 2020. - NBA Peer Team visit was held during the month of Oct 2021. - MBA Programme of MRIIRS got successfully accredited by NBA during the month of Feb 2022 valid upto 30-06-2024. - 4 UG Engineering Programmes of CSE, ECE, Mechanical and Biotechnology got accredited by NBA valid upto 30-06-2022 b. Participation in NIRF - India Ranking 2021 for Engineering, Management and Overall Categories. Data collation for NIRF was completed and details were uploaded on the NIRF portal. MRIIRS got prestigious NIRF Ranking 2021 as follows: Engineering Category : 118 Dental Category : 39 University Category : Band 101-150 Overall Category : Band 151-200 In Dental Studies; Faculty of Dental Sciences, Manav Rachna Dental College, MRIIRS has secured the 39th rank all-across India. It is the third best Dental College of Haryana as per the Ministry of Education's NIRF Rankings 2021 (closely behind PGI Rohtak and MMU, Ambala). In Engineering, jumping 56 ranks in a year; MRIIRS is ranked at No. 118 across India. It is the third best for Engineering in Haryana (closely behind NIT Kurukshetra). MRIIRS has also moved ahead by one complete band (an approximate jump of 60 places) in the University category where it is placed in the Rank Band 101-150. 2. Revision of Quality Assurance Manual: The revised Quality Assurance Manual incorporating all the revised/new policies and procedures proposed after the notification of first version notified on May 02, 2017 was presented during the 4th Quarterly meeting of IQAC for AY2020-21 held on June 29, 2021. The same got approved during the 35th meeting of Board of Management held on July 05, 2021. 3. ISO Certification and Environment & Green Audit: a. Completion of ISO 9001:2015 Audit of three units for ISO 9001:2015 certification: Manav Rachna</p>		

International Institute of Research & Studies (MRIIRS) is ISO 9001:2015 Certified Institution from BSCIC Certifications Pvt. Limited Faridabad w.e.f. 1st February 2021 for the following scope.

- Corporate Relations and Career Management Centre: Career Skills & Guidance, Guidance & Counselling for Employability, Employability & Preplacement Training; and Corporate Relations & Support - Examination Cell: Conduct of Examinations, Result Declaration and Award Management. - Central Library: Acquisition, Organization and Dissemination of the Library Services. b. Conduct of Environment and Green Audit: Environment and Green Audit was conducted by the certification body BSCIC certifications Pvt. Ltd. on 18th and 19th Feb 2021. The certificate of Green Environment Audit was issued to MRIIRS, after assessing the campus on following parameters: -Waste minimization and recycling -Greening -Energy Conservation -Water Conservation -Clear Area -Animal Welfare -Environmental Legislative and -General Practices

4. Teaching Learning Methodologies: a. Development of module for Online Showcasing of Examination Answer Books: MRIIRS follows well-defined Examination Processes including Showcasing of Evaluated Examination Answer Books (For both Mid Semester and End Semester Examination) to the students for their remarks wrt any totalling error and unmarked question. This whole module has been developed successfully online through EMS with the inputs of Team IQAC, CoE and Central EMS coordinators under the guidance of PVC, MRIIRS (Dr. Naresh Grover). Answer books are now uploaded on the EMS and showcased to the students after evaluation. Students are able to review their evaluated answer books and report their observation in terms of any totalling error while mentioning the section/question no. and any unchecked question. The report is accessible only at the end of CoE for further verification and rectification. b. Initiatives for Blended Teaching and Learning -Association of Spoken Tutorial Program, IIT Bombay with MRIIRS to learn free and Open-Source Software through Spoken Tutorial: MRIIRS is officially now an Academic Centre for Education through ICT, Govt. of India to spread IT Literacy all over India. -MRIIRS is officially now a network institute of IIRS outreach network. Participants are having exciting learning experience in the field of Remote Sensing, GIS and GNSS technologies and their applications. -Credit Transfer for successful completion of MOOCs from multiple platforms including SWAYAM, Coursera, Edx, Udemy etc. is being completed.

5. Conduct of AAA and Stakeholders Feedback for AY 2019-20

a. Conduct of Academic and Administrative Audit for AY2019-20: As per the laid down policy of MRIIRS, Academic Audit of each department was initiated where external auditors were invited from various reputed academic institutions and suggestions were implemented by the departments concerned. Academic Audit for AY 2019-20 was conducted during the month of September-October 2020.

The action taken reports were received and reviewed during the 3rd Quarterly meeting of IQAC. The Administrative Audit of all the Sections enlisted under 6 clusters was conducted during the month of March 2021. The action taken reports were received and reviewed during the 4th Quarterly meeting of IQAC for AY2020-21. b. Conduct of Stakeholders Feedback for AY2019-20: Feedback from various stakeholders for AY2019-20 was collated in the form of Student Course Feedback, Student Satisfaction Survey, Alumni Feedback, Employe/Industry Expert Feedback and Faculty Feedback during the month of September 2020. The action taken reports were received and reviewed during the 2nd Quarterly meeting of IQAC for AY2020-21 held in Dec 2020.

12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Preparation for submitting the AQAR for the year 2019-20	AQAR for the year 2019-20 was prepared and presented for review in IQAC and subsequent approval in BoM. The approved AQAR has been submitted to NAAC during the month of Oct 2021.
NBA Accreditation of MBA Programme	MBA Programme of MRIIRS is now NBA Accredited. - SAR was submitted successfully during Dec 2020. - NBA Peer Team visit was held during the month of Oct 2021. - MBA Programme of MRIIRS got successfully accredited by NAAC during the month of Feb 2022.
To participate in NIRF - India Ranking 2021 for Engineering, Management and Overall Categories.	Data collation for NIRF was completed and details were uploaded on the NIRF portal. MRIIRS got prestigious NIRF Ranking 2021 as follows: Engineering Category : 118 Dental Category : 39 University Category : Band 101-150 Overall Category : Band 151-200 In Dental Studies; Faculty of Dental Sciences, Manav Rachna Dental College, MRIIRS has

	<p>secured the 39th rank all-across India. It is the third best Dental College of Haryana as per the Ministry of Education's NIRF Rankings 2021 (closely behind PGI Rohtak and MMU, Ambala). In Engineering, jumping 56 ranks in a year; MRIIRS is ranked at No. 118 across India. It is the third best for Engineering in Haryana (closely behind NIT Kurukshetra). MRIIRS has also moved ahead by one complete band (an approximate jump of 60 places) in the University category where it is placed in the Rank Band 101-150.</p>
Revision of Quality Assurance Manual:	<p>The revised Quality Assurance Manual incorporating all the revised/new policies and procedures proposed after the notification of first version notified on May 02, 2017 was presented during the 4th Quarterly meeting of IQAC for AY2020-21 held on June 29, 2021. The same got approved during the 35th meeting of Board of Management held on July 05, 2021.</p>
Induction Program for newly appointed faculty members	<p>Induction Program for newly appointed nineteen faculty members was organized on 7th September 2020.</p>
Student Orientation Program for newly admitted students	<p>Student Orientation Program for newly admitted students was organized in three broad batches: Engineering, Management and other than Engineering Programmes and was held for 3 weeks commencing from on 1st Sep 2020. It was conducted with a comprehensive planner including themes on Getting to Know each</p>

	other, Know your Academic System, Know your Academic Resources, Innovation and Skills, Well Being and Social Responsibility, Well Being and Quality, and Fitness and Student Support.
Workshop on usage of Virtual labs in collaboration with IIT Delhi	Manav Rachna International Institute of Research and Studies has entered into an Expression of Interest (EOI) with Virtual Labs, IIT Delhi. Under this EOI a workshop was organized on 15th July, 2020 via Google Meet platform. A total of 29 faculty members from various Departments of Faculty of Engineering and Technology and Faculty of Computer Application attended this Workshop. Faculty members have successfully utilized the learnings to conduct Practical classes of various courses of Engineering and Computer Applications through Virtual Labs.
Orientation Session on NAAC SSR-Collation of Evidence/Supporting Documents (Part 1)	Online session via MS-Teams was organized for Deans/Directors, Head of the Departments, and respective NAAC coordinators on 6th July 2020 for Criteria 1 and 2 to understand the requirement and submission of required documents for the respective parameters. Participants: 122
13. Whether the AQAR was placed before statutory body?	Yes
<ul style="list-style-type: none"> Name of the statutory body 	

Name	Date of meeting(s)
Board of Management	21/02/2022

14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?	Yes
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15. Whether institutional data submitted to AISHE	
Year	Date of Submission
2020-21	23/03/2022

16. Multidisciplinary / interdisciplinary
<p>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.</p> <p>MRIIRS has adopted a three -pronged approach in this regard:</p> <p>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</p>

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, 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.

17.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.

18.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.

19. 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.

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

21.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.Programme

1.1	59
Number of programmes offered during the year:	
1.2	26
Number of departments offering academic programmes	

2.Student

2.1	4558
Number of students during the year	
2.2	1348
Number of outgoing / final year students during the year:	
2.3	4179
Number of students appeared in the University examination during the year	
2.4	11
Number of revaluation applications during the year	

3.Academic

3.1	1956
Number of courses in all Programmes during the year	
3.2	376
Number of full time teachers during the year	
3.3	392
Number of sanctioned posts during the year	

4.Institution

4.1	22138
Number of eligible applications received for admissions to all the	

Programmes during the year	
4.2	174
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
4.3	152
Total number of classrooms and seminar halls	
4.4	1132
Total number of computers in the campus for academic purpose	
4.5	9494.22
Total expenditure excluding salary during the year (INR in lakhs)	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

Keeping in mind and adhering to the vision and mission of Manav Rachna International Institute of Research & Studies (MRIIRS) and defined PEOs of a programme, the curriculum is designed and developed to ensure excellence in the quality in a systematic manner. MRIIRS has adopted systematic approaches for curriculum designing with inputs from all the stakeholders. University always thrives for meeting the growing expectations of the stakeholders. The curricula developed by different departments with well defined POs/PSOs and COs emphasize and conform to the local, national and global standards and demands besides enabling and supporting the all-round development. Periodic interventions are made from time to time to meet the stakeholders' expectations besides market demands. The curriculum of various programmes provides a variety of learning experiences to the students and ensures quality and equity in learning outcomes with focus on employability, entrepreneurship and skill-development. The curriculum of all the programmes follows the Choice Based Credit System that accelerates the teaching learning process and enables vertical and horizontal mobility in learning. A good amount of flexibility is given in the form of elective courses (discipline specific, interdisciplinary and generic) to be opted by

the students.

File Description	Documents
Upload relevant supporting document	View File

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

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

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

1670

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

401

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

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

Manav Rachna International Institute of Research & Studies is unique from its very inception and foundation. Dedication for society and selfless service are integrated into the mission and vision of the university in tune with the ideology of the founder. University has incorporated courses which not only develop the cognitive aspects of students but also enrich the attributes in real life situations. While designing curriculum, the coveted core values like contributing to national development, fostering global competencies, inculcating value system, promoting use of technology.

University already created courses that have focus on "Environment Sustainability", "Professional Ethics", "Human Values" and "Gender Equality" and organizes extra-curricular activities in order to prepare future generations of professionals as well as political and social leaders for responsible actions toward sustainable environment. University also believes in instilling professional ethics among students of all programs. Values and ethics related courses are part of different programmes. The university takes responsibility to instill human values among the students by introducing different courses based on human values, gender equality and inclusivity. Environment & Sustainability, human values, gender equality and professional ethics are particularly visible in all the curriculum of the university across the programs.

File Description	Documents
Upload relevant supporting document	View File

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

41

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

1088

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

2478

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni	<ul style="list-style-type: none"> • All 4 of the above
--	--

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows	<ul style="list-style-type: none"> • Feedback collected, analysed and action taken and feedback available on website
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File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

1642

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

174

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

At MRIIRS, every department follows the assessment mechanism to categories advanced and slow learners as per the laid down policy. The customized teaching learning methodologies are planned to encourage advanced learners to perform more challenging tasks and slow learners to improve their performance.

- Each course teacher maintains the list of advanced and slow learners along with reports of performance as per assessment parameters.
- The progression of achievements of students is recorded to

assess their advancements and subsequent interventions.

1. Advanced learners are guided to participate in Conferences/ Competitions to improve their logical, analytical and presentation skills, to publish research papers to develop excellent writing and analytical skills, earn MOOC certifications through SWAYAM, Coursera, Udemy, edxetc, register start-ups/file patents/copy rights, lead technical clubs/editorial board etc.

1. For Slow Learners one-to-one mentoring sessions are organized with course teachers, mentors, HoDs, Alumni etc. 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, Peer group learning is encouraged

The consolidated report with initiatives taken and impact analysis is submitted to the respective department head by the overall coordinator for advanced and slow learner.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	https://mriirs.edu.in/customized-teaching-learning-strategies-for-advanced-and-slow-learners/

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
4558	376

File Description	Documents
Upload relevant supporting document	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

Student 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.

'Experiential Learning' is ensured through internships, industry and field visits, 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. Students are encouraged to participate in skill-based value-added courses.

Learning is made participative by incorporating activities including quizzes, debates, group discussions, presentations, peer teaching, expert talks, participation in conferences/workshops, flip classroom teaching etc. Students are encouraged to enrol for MOOCs through NPTEL (Active NPTEL local chapter is well in place), Coursera, Udemy etc. A credit-based course on Research is made a part of the curriculum. In order to encourage participative learning, the students are guided to read recent advancements in emerging areas by referring papers from reputed journals/transactions and write research papers in collaboration.

Problem solving methodologies are integrated in teaching-learning while exposing students to major design experiences through Project Phase-I and II as per study schemes, participation in Hackathons/Conferences/Project competitions and involving them in applied research leading to patents, research publications and generation of IPRs.

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

University campus is equipped with state-of-art conference rooms, seminar spaces, presentation facilities, classrooms etc. Use of ICT-enabled tools/e-resources is ensured in teaching-learning and mandatory training programs are conducted to adopt these tools/resources in teaching-learning.

- MRIIRS has subscribed to a comprehensive iCloud-EMS (Education

Management System), to digitize the teaching-learning processes through its web & mobile based applications.

- Student registration, course-allocation, time-table and lesson-plan uploading, attendance marking/monitoring, assignments/tutorial sheets uploading/marking, academic content uploading is done through EMS.
- Uploaded course contents like syllabus, previous year question papers, lecture notes, PPTs, relevant web-links and videos can be accessed by students.
- Continuous internal/external assessment for all courses along with course/program outcome attainment report generation is done through EMS.
- Faculty members are also using in-house media centre to record webinars/lectures specific to all Programs being offered at the University.
- 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 by the faculty members.
- Amidst Covid-19, all the academic activities were shifted successfully to online mode via Microsoft Teams, practical's were conducted through virtual labs. Online recorded lectures are being made accessible to the students. All this has considerably improved the learning process.

File Description	Documents
Upload relevant supporting document	View File

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

2.3.3.1 - Number of mentors

268

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

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

376

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

223

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

2985

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

124

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

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

10.7

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 year**10.7**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year**11**

File Description	Documents
Upload relevant supporting document	View File

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

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

IT Integration for Examination Processes:

MRIIRS has subscribed to a comprehensive Cloud based EMS to automate the examination processes.

- Starting from admission application submission to online course registration and approval, continuous internal assessment, hall ticket generation, end semester marks uploading, onscreen verification of marked Answer Books by students, re-appear application form submission and Course/Program outcome attainment calculation & subsequent report generation are done on EMS in a complete transparent manner.
- Examinations during Pandemic, were conducted in a completely proctored and online manner using MS-Teams and Google meet platforms.

Reforms in Examination processes:

- Timely declaration of final results ensure that students are not deprived of career/progression opportunities.
- Special examinations for final year students are conducted to clear their backlogs without losing a year.
- A close moderation/vetting of question papers is undertaken.
- Spot evaluation is in place ever since inception of the university.
- Revaluation is permitted as per standard operating procedures of examination. Improvement of grades is permitted through reappearing.
- Examination branch has been certified by ISO 9001:2015.

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

File Description	Documents
Upload relevant supporting document	View File

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

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

In line with the Institution's Vision and Mission, all academic programmes being offered under ten Faculties of MRIIRS 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 for each course in consultation with involved course teachers.

The stated Program-outcome/Program-specific-outcome and Course-outcome statements have been displayed at the 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 electronic/print modes.

File Description	Documents
Upload relevant supporting document	View File

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

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).

- 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 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 ($0.8 \times \text{Direct CO attainment} + 0.2 \times \text{Indirect CO attainment}$) provides the overall COs attainment.
- The overall attainment level of POs/PSOs through direct assessment tools is computed through mapping of COs to the POs/PSOs.
- 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	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

1348

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

http://mriirs.edu.in/Student-Satisfaction-Survey_2020-21.pdf

RESEARCH, INNOVATIONS AND EXTENSION**3.1 - Promotion of Research and Facilities**

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

The continuous efforts on promotion of research shaped into a formal research policy in the year 2015. Various parameters were quantified and were approved in the year 2018. The latest comprehensive policy incorporating the changes with reference to the changed requirements of research ecosystem was approved in 2019-20 by BoM.

OBJECTIVE

1. To motivate faculty members and students to undertake research and innovation.
2. To inspire faculty members for sponsored research projects and providing financial support in the form of seed money.
3. To stimulate faculty members to indulge in collaborative and multidisciplinary research projects.
4. To encourage faculty members to delve into case studies on specific subject or topic of concern/interest.
5. To motivate the faculty members for creating, protecting and leveraging Intellectual Property and its commercialization.
6. To foster passion with openness, flexibility and freedom of thoughts for research in students at undergraduate, postgraduate and doctoral levels and build research culture.
7. 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

To conduct ethical research and for the benefit of society.

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

24.57

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

124

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

41

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research
Central Instrumentation
Centre Animal House/Green House Museum
Media laboratory/Studios Business Lab
Research/Statistical Databases Moot court
Theatre Art Gallery

A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

1

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year (INR in Lakhs)

171.16

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

82.47

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

1

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

MRIIRS actively promotes innovations other initiatives for

creation and transfer of knowledge. 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 industrial problems.

Manav Rachna Business Incubator (MRBI) is an initiative to encourage and support creation of knowledge based and technology-driven start-ups through guidance, mentorship and support and provides assistance to the student teams in terms of design reviews, mentorship, provision of raw materials, manufacturing facilities, testing arrangements, commercial viability and any other special requirements on a case to case basis. The center boasts 70 alumni student start-ups and 47 start-ups on campus out of which 6 start-ups came in 2020-21.

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 assisted 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.

File Description	Documents
Upload relevant supporting document	View File

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

50

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

50

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

29

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following

A. All of the above

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
3. Plagiarism check
4. Research Advisory Committee

File Description	Documents
Upload relevant supporting document	View File

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

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year**3.4.3.1 - Total number of Patents published/awarded year wise during the year**

48

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year**3.4.4.1 - How many Ph.D's are awarded during the year**

43

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

1

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year**3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year**

229

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS	A. Any 5 or all of the above						
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Upload the data template</td><td>View File</td></tr> <tr> <td>Upload relevant supporting document</td><td>View File</td></tr> </tbody> </table>	File Description	Documents	Upload the data template	View File	Upload relevant supporting document	View File	
File Description	Documents						
Upload the data template	View File						
Upload relevant supporting document	View File						
3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed							
<table border="1"> <thead> <tr> <th>Scopus</th><th>Web of Science</th></tr> </thead> <tbody> <tr> <td>681</td><td>2138</td></tr> </tbody> </table>	Scopus	Web of Science	681	2138			
Scopus	Web of Science						
681	2138						
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Any additional information</td><td>View File</td></tr> <tr> <td>Bibliometrics of the publications during the year</td><td>No File Uploaded</td></tr> </tbody> </table>	File Description	Documents	Any additional information	View File	Bibliometrics of the publications during the year	No File Uploaded	
File Description	Documents						
Any additional information	View File						
Bibliometrics of the publications during the year	No File Uploaded						
3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University							
<table border="1"> <thead> <tr> <th>Scopus</th><th>Web of Science</th></tr> </thead> <tbody> <tr> <td>27</td><td>21</td></tr> </tbody> </table>	Scopus	Web of Science	27	21			
Scopus	Web of Science						
27	21						
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution</td><td>No File Uploaded</td></tr> <tr> <td>Any additional information</td><td>View File</td></tr> </tbody> </table>	File Description	Documents	Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded	Any additional information	View File	
File Description	Documents						
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded						
Any additional information	View File						
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							
Consultancy helps to establish oneself as a recognised authority in ones field, based on research proficiency and is a way forward of establishing name recognition; which in due course of time become							

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

On discussion with PI of consultancy projects over time, their challenges and expectations were re-visited and revisions were undertaken in 2015 policy and then again in 2018. 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.

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

234.26

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

Manav Rachna International Institute of Research and Studies has been playing a pioneering role in Social Responsibility. The university regularly exposes its students to myriad activities in the neighbourhood community and areas to impel them to undertake various societal activities and in the process develop holistic persona and core values

Swachh Bharat Abhiyaan: Few localities have been identified in Faridabad to spread the awareness about cleanliness and basic hygiene.

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, Physiotherapy camps are organised.

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 neighbourhood community is supported by providing stationery, old clothing, and other supplies as needed.

Large number of extension activities were planned during Academic Year 2020-21 but because of COVID-19 restrictions very few were realised.

File Description	Documents
Upload relevant supporting document	View File

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 year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

1754

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

43

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

10

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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.

MRIIRS ensures the availability of adequate teaching-learning resources for its students, not only for classroom teaching, but other allied activities as well. The infrastructure includes 142 number of air-conditioned classroom (with Wi-Fi/LAN and LCD projectors), well-equipped departmental laboratories, computing facilities (as per the norms of statutory bodies), well stocked air-conditioned Library, seminar halls etc. 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 Seminar halls / Classrooms for interactive teaching and 40 devices are installed to capture the handwriting while teaching. Five DTH stand installed in classrooms/ AV-room (in 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), are available for faculty and students.

All Computer labs are equipped with network of computers which are connected to internet with a bandwidth of 1 Gbps.

The institution has subscribed to Comprehensive Cloud based Education Management System (EMS) from iCloud EMS which provides an integrated solution to enhance and digitize the academic and administrative processes.

File Description	Documents
Upload relevant supporting document	View File

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

MRIIRS has generous resources for sports, cultural activities for overall development of students in the campus.

The 7000 sq.ft. indoor sports arena includes one badminton court, six table tennis tables, three billiards table, three pool tables and one indoor gymnasium. Beside this, there is a squash court, two shooting range of 10 meters (one manual and other having 8 SIUS electronics targets with monitors) and two shooting ranges of 25m and 50m.

The outdoor sports facilities include two basketball courts, one volleyball court, one cricket ground with day-night playing capabilities, cricket practice nets and a soccer ground. There is an outdoor gymnasium adjacent to indoor sports arena.

For organising the extra and co-curricular activities there are multiple venues including air conditioned auditorium with a seating capacity of 360, multipurpose air conditioned seminar hall with a seating of more than 400, three amphitheatres of with varying capacities from 70 to 300. There is secluded multipurpose room at the top floor of B-block for Yoga, music and dance practice.

The sports science centre 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, mid-course correction and rehabilitation.

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

MRIIRS is beautifully planned in a manner to make best use of the geographical contours on the slope of an Aravalli Hill. The lush green landscaped 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.,

The University has separate hostels for Boys and girls within the campus and outside with well-furnished rooms and the Mess.

Lifts and ramps have been provisioned, as per the requirements. The classrooms, tutorial rooms, seminar halls and most of the labs are provided with comfortable seating with AC facility.

The MRIIRS clinic run in association with Sarvodya Hosptial provides medical emergencies and 24x7 ambulance services to take care of the urgencies.

More than 250 CCTV cameras, keep a vigil over the campus in addition to a large number of security personnel.

The campus has Punjab National Bank along with ATM.

The R.O. cleaned drinking water and outsourced housekeeping ensures cleanliness and hygiene in the campus. The beautifully landscaped lush green campus and a butterfly garden leaves a lifelong impression in the mind of all the visitors.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

1989.93

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

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

MRIIRS has a central library (Dr. O. P. Bhalla Central Library) named after the founder of Manav Rachna educational institutions. The Library operations are automated with Koha Open Source Integrated Library Management software for its entire range of operations.

Library is using the RFID and Web-based Integrated Library Management System (ILMS). It has helped in easy stock verification and controlling the theft incidents as it acts a strong deterrent.

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 etc.

Library website is a single platform to access all library resources both within the campus and from outside. 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 provisioned for Digital Institutional Repositories including Question Papers, Dissertations, Thesis and faculty publication for which copyright lies with the university.

Available Kibo scanning device is used for scanning and digitize the library resources.

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

46.38

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)**1887**

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure**4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year****152**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

MRIIRS ensures that IT infrastructure is relevant and thereby has a sound IT policy in place including the necessary budgetary provisions.

The GM IT has overall responsibility for policy development and its execution, at the University and is the owner of IT policies, standards and guidelines. He reviews new or revised IT policies and standards, and serves as the liaison between the staff managing the IT policy function and the management, and the senior academic faculties.

The university-wide IT policy framework specifies:

- **Structure and criteria for what should be categorized as an IT policy, standard, or guideline**
- **A process for initiating, reviewing, approving, and retiring IT policies**
- **Ongoing roles and responsibilities associated with IT policy development and maintenance.**

In addition to the regular meetings, the senior functionaries of the IT department prepare annual strategic plan on the basis of the

requirements received from various departments.

The ICT department of MRIIRS believe in optimal utilization of resources. In order to ensure this, it has their own in-house repairing centre to recycle the working parts salvaged from written off units. The electronic scrap is being disposed-off through Govt (central and state) registered agencies and green certificates are received.

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
4558	1132

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

- 1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

A. All of the above

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

1012.97

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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.

1. The maintenance at MRIIRS, is divided in to four verticals. These include the areas taken care of by GM-Admin, Director-Sports, GM-IT and Facilities/Assets manager.
2. For the maintenance of physical Infrastructure, There exists dedicated team of masons, plumbers, electricians, carpenters, painter, welder, AC/telecom technicians, under the supervision of GM-Admin. The transport manager manages the outsourced transport.
3. The online ticketing based system is used for redressal of infrastructure related issues.
4. During the lean teaching period, an exhaustive audit of the complete infrastructure is done and teams takes care of the small repairs. However, for bigger assignment the job is outsourced, wherever necessary. Lifts are under AMC with the original vendor.
5. An outsourced team of housekeeping staff ensures that the corridors, stairs, walkways and common areas are dust and garbage free.
6. The departmental Time-Table coordinators, ensure optimal utilization of the physical infrastructure including classrooms and labs.
7. The equipment, machinery, apparatus etc. in the respective Labs are maintained by the respective Lab In-charges.
8. The team of Library professionals is responsible for running and maintenance of Library through Koha.

IT Technicians under the guidance of GM-IT take care of the IT and CCTV related issues.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

2537

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

3529

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

• All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

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

47

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

762

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

203

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

2

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

MRIIRS has functional Student Council which aims to promote leadership, cultural values, human relations. The Council main objective is to work for the students with students and by the students which is all achieved by a group of student's representatives from each department of the University Student Council at MRIIRS is constituted by the process of selection. The nomination of all the members of the student's council is held as per the rules prescribed by the University every year. The Students' Council consist of the student representatives having good academic record and further based on their keen interest in cultural, sports and leadership skills. They involve the students to participate in CSR activities like arranging Blood donation camps, helping the affected during natural calamities. Student Council members are also part of Administrative Committees of the University like Anti Ragging Committee, Discipline Committee, Student Facilitation Centre and Department Academic Council. In order to ensure that students are able to articulate their aspirations without any reservation, the university encourages a Student Council which provides students a vehicle to give expression to their ideas on an entire set of issues important to them in a democratic manner.

File Description	Documents
Upload relevant supporting document	View File

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

83

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 during the year

MRIIRS Alumni Association is registered under Manav Rachna Vidyanatariksha Foundation. MRIIRS Alumni Association which has an Alumni Base of 20000+ members have 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 Allied and Health Sciences Chapter 8) Faculty of Behavioral and Social Sciences Chapter. Alumni of MRIIRS provides support to the organization in various ways like expert guidance for the students in their respective fields and industry exposure. The alumni have also been called for different mentoring, career counseling sessions for the students. In addition to this, the alumni have also been involved in the cultural, and other internal events organized in the university. Different city Chapter around the globe has been started in the cities like Delhi, Bangalore, London, Toronto, UAE, Sans Francisco, Philadelphia, etc. with the name Manav Rachna Global Alumni Network. Alumni Mentorship Series has been launched wherein topics based on real-life situations are chosen and conversations are initiated with prominent alumni.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

A. ? 5Lakhs

File Description	Documents
Upload relevant supporting document	View File

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

Academic and administrative governance are aligned to the Vision and Mission of MRIIRS which has a focus on creating responsible citizens

through transformative elements of research/innovation, student-centric education and entrepreneurship.

- Effective leadership at MRIIRS is the key to realize the Vision, and Mission of the organization by co-ordinating the academic and administrative planning, and its implementation.
- Approved policies/practices of MRIIRS are implemented through the Statutory Bodies and are periodically reviewed/revised in the light of changing stakeholder expectations, best practices, and regulatory requirements.

While working towards achieving Vision, MRIIRS:

- Has highly incorporated industry-aligned, research-oriented, employability-inducing and entrepreneurship-promoting curriculum to lead to a well-rounded education system.
- Places high importance on moral and ethical values.
- Provides focused coaching to the students in the field of soft-skills, communication, verbal-ability, cognition, personality development, quantitative aptitude and leadership skills required for their professional-enhancement and employability-augmentation through its career development centre.

All these noteworthy efforts have led towards NBA accreditation (Tier-I) of four B.Tech Programmes (CSE, ECE, Bio-Tech, ME) and MBA programme, 118th Rank under Engineering, 39th Rank under Dental and in the Band 101-150 under University Category in NIRF ranking 2021. UGC granted 12-B status to MRIIRS in affirmation to its strong focus in Research and Development.

File Description	Documents
Upload relevant supporting document	View File

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

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

- Powers have been delegated amongst most of the academic and teaching/administrative departments/offices, including Research and Development.
- An effective internal coordination monitoring system is practiced through the Dean Academic Affairs, Deans of various Faculties, Dean Student Welfare, Heads of the Teaching/Administrative Departments, and other functionaries.
- All Statutory Bodies like Academic Council, Board-of-Management (BoM), Planning-and- Monitoring-Board, Internal Quality Assurance Cell, Board-of-Studies, Board-of-Faculty, and Finance-Committee with participation of faculty of all cadres at the University are in place.
- Different committees pertaining to academics, research, students support, grievance redressal etc. have been constituted with members as internal and external stakeholders for smooth functioning of various aspects of administration, and governance.
- For smooth functioning of individual departments, financial powers have been decentralized.

Sample case study of practice of decentralization and participative management is presented for preparing the Strategic Perspective Plans of the University. Before the commencement of academic-year, Head of each department/central-unit is required to submit their strategic perspective plans to IQAC after brainstorming with the faculty members and based on the stakeholder feedback analysis.

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

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.

One such strategic plan was laid down for ISO9001:2015 certification of the various units. MRIIRS is now ISO 9001:2015 Certified Institution from BSCIC Certifications Pvt. Limited Faridabad w.e.f. 1st February 2021 for the following scope.

- Corporate Relations and Career Management Centre: Career Skills & Guidance, Guidance & Counselling for Employability, Employability & Preplacement Training; and Corporate Relations & Support
- Examination Cell: Conduct of Examinations, Result Declaration and Award Management.
- Central Library: Acquisition, Organization and Dissemination of the Library Services.

File Description	Documents
Upload relevant supporting document	View File

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

- Governance standards of 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 the 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, Academic-Council, Finance-Committee and Planning and Monitoring Board with well-defined roles and responsibilities of all internal and external members. These bodies provide strategic guidance and orientation to all constituent departments. Bodies conduct their regular meetings as per the mandate to formulate development objectives, directives and guidelines by aligning the academic and administrative

aspects, this has helped 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 so that all are associated in the development of the university. Organogram of the MRIIRS has the clear distribution of each position, member composition, power functions, role and responsibility.

Faculty appointments are strictly as per prevailing norms, as amended from time.

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

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

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

MRIIRS has developed a very transparent Performance Based Appraisal system for the employees to enhance the potential of its human resources. The Appraisal forms as filled by the faculty members and evaluated by HoD are forwarded to the concerned Dean and then to Vice Chancellor. The decision and recommendations made are shared with the respective reporting offices. The system is reviewed from time to time keeping in view best practices and the requirement of the regulatory bodies. For performance-based promotions, MRIIRS is following Career Advancement system (CAS).

MRIIRS provides rewarding welfare schemes to faculty and staff members including fee waiver to faculty members for 4 years in Ph.D programme at MRIIRS, financial assistance to attend Professional Development Programmes, research incentives, 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, sabbaticals to pursue their higher studies, honoring faculty and staff with a stay of minimum 10 years every year on the occasion of celebration of New-Year etc.

Extensive support was provided to the employees during Covid-19 including Vaccination drives for all the employees and their family members.

File Description	Documents
Upload relevant supporting document	View File

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

98

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

103

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

276

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

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

Mobilization of financial resources through:

- Fee paid by Students as per Fee Structure, Brochure Sale, Sports Tournaments etc.
- Consultancy and technical services by faculty members like Atal Bhu Jal Yojna, Jal Jiwan Mission for Advance water resources and research, and other various projects in corporate sector like Vedanta, Maruti Suzuki Foundation, Maharani Paints.
- Leasing out the space for ATM service of PNB Bank, Telecom Towers of Jio and Airtel, Food Outlets, Chemist shop, Utility Store for Staff and Students.
- Corpus funds/Donations/CSR from Alumni, charitable institutions, Corporate Sectors and individuals for education, research and infrastructure development.

Resources Utilization:

MRIIRS has an effective mechanism for the judicious utilization of resources by way of planning for annual budgets and their implementation. In consultation with all the members of the finance committee, CFO the secretary of the finance committee prepares the budget as per the requirements of all departments of MRIIRS and submits in the meeting of the finance committee before start of the financial year for approval by the finance committee chaired by the Vice Chancellor and recommendation of BoM for its approval.

The University accounts are audited by Internal Auditor and

Statutory Auditor appointed by BOM on recommendation of Finance Committee to minimize error and frauds.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

8.62

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

1659.35

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

MRIIRS has made appropriate arrangements for the Internal audit and External Financial Audit 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.

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. Till date they have not given any adverse or qualified report.

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. Till date no major irregularities/fraud reported by the auditor.

File Description	Documents
Upload relevant supporting document	View File

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 was established on July 31, 2009 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:

1. **Strengthening of Teaching Learning Practices:** MRIIRS strives continuously to improve quality of education for its students while:
 - Offering interdisciplinary courses including MOOCs through NPTEL/SWAYAM, Coursera, Udemy etc under CBCS and non-credit value-added courses for skill enhancement.
 - Assessing the learning capabilities of the students to plan customized teaching learning methodologies for advanced and slow learners.
 - Adopting Digitization Initiatives of the Government for ICT

based Education including virtual lab simulators for practical courses.

- Organizing regular faculty development programmes in different domains including online content development, usage of ICT resources, inclusive classroom settings, effective mentoring etc.
- Conducting Academic Audits to evaluate the effectiveness of adopted teaching learning methodologies.

1. Industry Institute Interaction:

- All undergraduate students are compulsorily made to undergo an industrial internship.
- Regular industry visits, field visits and industry interaction sessions are organized for the students to bridge the industry academia gap.
- Industry collaborations with Microsoft, Mitsubishi, Intel, Infineon, Bombay Stock Exchange to fortify the life skills of the students.

File Description	Documents
Upload relevant supporting document	View File

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

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting documnent	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

Quality enhancement initiatives taken in line with Quality Policy of MRIIRS and laid down Strategic Perspective Plans for AY 2020-21 have resulted in accreditation of MBA Programme by NBA, 118th Rank under Engineering, 39th Rank under Dental and in the Band 101-150 under University Category in NIRF ranking 2021, and notable research outcomes in terms of more than 550 publications, around 50 Patents, six more Start-ups in addition to existing forty, more than 100 Sponsored Research Projects, more than 35 Consultancy Projects undertaken and 27 as the h-index of the University during the year.

Major Quality enhancement initiatives in Academic Domain:

- On screen evaluation of marked answer booklets of all internal and external examinations.
- Establishment of Nodal centre of Virtual labs- IIT Delhi and Local Chapter of NPTEL-SWAYAM at MRIIRS.
- Successful integration of ICT based teaching/learning through EMS, MOOCs as offered by NPTEL-SWAYAM/Coursera/IIRS Dehradun/ etc, usage of virtual lab simulators for practical courses.
- Incorporation of Proctor Module on EMS for effective Student Mentoring.

Quality enhancement initiatives in Administrative Domain:

- ISO 9001:2015 Certification of three units: Library, Examination and CRCMC (Corporate Resource and Career Management Centre) of MRIIRS.
- Environment and Green Audit Certification for MRIIRS.
- Regular conduct of Professional Development Programmes for faculty and Staff members.
- The university is highly active in meeting its institutional responsibilities.

File Description	Documents
Upload relevant supporting document	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

MRIIRS assigns utmost priority to gender equity and its sensitization as a critical dimension to its overall philosophy and societal approach. MRIIRS faculty has a preponderance of female faculty. In fact, female faculty outnumber the male faculty (Percentage of female faculty is in the range of sixty one). Administrative and other supporting staff again has a large percentage of female members. A majority of female faculty are holding the senior positions of Deans, Associate Deans, Heads of Departments without any discrimination on account of gender.

Women and Gender Sensitization Committee organizes several programmes and events such as promoting Gender Equality, Awareness talk on Gender Equity is key, awareness talk on Women Empowerment to promote gender sensitization among the students, teaching and non-teaching staff members within the campus.

Girls are mentored and trained exclusively to participate freely in cultural, sports, debates, Conferences, professional development activities as well given a free hand in their organization. Girl students play a dominant role in planning and organization of Annual Cultural Event.

A Day Care Centre for young children of faculty and staff members provides a much-needed support and family succor for female employees and faculty. This runs free of cost for the working mothers.

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	http://publications.mriirs.edu.in/AQAR_2020-21/Criteria_7/7.1.1/7.1.1_2020-21_WGSC_Action%20Plan.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	http://publications.mriirs.edu.in/AQAR_2020-21/Criteria_7/7.1.1/7.1.1n.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy

A. Any 4 or All of the above

conservation Solar energy Biogas plant
Wheeling to the Grid Sensor-based energy
conservation Use of LED bulbs/ power-
efficient equipment

File Description	Documents
Upload relevant supporting document	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

MRIIRS has entered into MoUs with various agencies registered and certified for waste management by Central and/or Haryana State Pollution Control Board. Currently MRIIRS has MoU with M/S Ecogreen Energy , Gurugram, for Solid Waste Management, BRP Infotech Pvt. Ltd, Delhi, for E-waste management, Golden Eagle waste management company, Faridabad for biomedical waste management and Mahavira Udyog, Rohtak for hazardous waste management.

- Colour coded garbage bins- Already exists, old damaged bins replaced with new colour coded garbage bins at various locations in the MRIIRS campus for segregation and collection of solid waste.
- Biocomposter-Already exists
- Biogas plant of 2 Cum capacity has been installed by Arvind Envisol Limited in the University Campus.
- Liquid waste management- Sewage Treatment Plant already exists, it has been upgraded with installation of new filters and equipment's for enhancing the efficiency of waste water treatment.
- Hazardous and E-waste waste management-MoUs for Hazardous and E-waste waste management already exists.
- Biomedical waste management- MoUs for Biomedical waste management already exists.
- Hazardous and radioactive waste management-Waste/ used oil from generators is sold to vendor Mahavira Udyog, Rohtak, for treatment/ recycling/ disposal according to HSPCB norms. No radioactive material is used in University.

File Description	Documents
Upload relevant supporting document	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above				
<table border="1"> <tr> <th data-bbox="86 443 550 506">File Description</th> <th data-bbox="550 443 1474 506">Documents</th> </tr> <tr> <td data-bbox="86 506 550 607">Upload relevant supporting document</td> <td data-bbox="550 506 1474 607">View File</td> </tr> </table>	File Description	Documents	Upload relevant supporting document	View File	
File Description	Documents				
Upload relevant supporting document	View File				
7.1.5 - Green campus initiatives include					
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	A. Any 4 or All of the above				
<table border="1"> <tr> <th data-bbox="86 1115 550 1178">File Description</th> <th data-bbox="550 1115 1474 1178">Documents</th> </tr> <tr> <td data-bbox="86 1178 550 1279">Upload relevant supporting document</td> <td data-bbox="550 1178 1474 1279">View File</td> </tr> </table>	File Description	Documents	Upload relevant supporting document	View File	
File Description	Documents				
Upload relevant supporting document	View File				
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution					
7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	A. Any 4 or all of the above				
<table border="1"> <tr> <th data-bbox="86 1910 550 1973">File Description</th> <th data-bbox="550 1910 1474 1973">Documents</th> </tr> <tr> <td data-bbox="86 1973 550 2074">Upload relevant supporting document</td> <td data-bbox="550 1973 1474 2074">View File</td> </tr> </table>	File Description	Documents	Upload relevant supporting document	View File	
File Description	Documents				
Upload relevant supporting document	View File				

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	A. Any 4 or all of the above				
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Upload relevant supporting document</td><td>View File</td></tr> </tbody> </table>	File Description	Documents	Upload relevant supporting document	View File	
File Description	Documents				
Upload relevant supporting document	View File				
7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)					
<p>MRIIRS recruits faculty, staff and admits students from every State and Union Territory of the country besides those from foreign countries. To that extent, MRIIRS represents the kaleidoscopic diversity of the country in the cultural, regional, linguistic, communal and socioeconomic dimensions. Keeping in view the objective of "Creating better Human Beings" the University organizes several activities to imbibe feeling of inclusiveness amongst the students, faculty and staff members. Students actively participate in different activities through different art forms during this week. Students from various regional and cultural backgrounds actively participate in these cultural programs and present their regional or cultural folk songs and dances in festivals like Bathukamma, Christmas, Lohri, Guru Purnima, Eid- Al Adha, Ganesh Chaturthi, Onam, Christmas Day- Jingle Ball, Lohri etc. For communal harmony events like Matrabahsha Diwas, Vaishakhi, Janmashtami. Students are encouraged to get familiar with languages, customs, and even food styles of different groups. Food items of different states are included in the hostel menu and canteens to share varied eating habits. This enables students from different states not to be deprived of their local cuisines and enables all students to get an immersion into various food habits and lifestyles.</p>					
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Upload relevant supporting document</td><td>View File</td></tr> </tbody> </table>	File Description	Documents	Upload relevant supporting document	View File	
File Description	Documents				
Upload relevant supporting document	View File				

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

The University organizes many programmes and activities to create awareness and love for the Nation with an objective to sensitize students and faculty members towards their Fundamental Duties and Rights and become responsible and vigilant citizens. University celebrates Independence Day marked with the importance of freedom and the glory of Indian freedom struggle. Different cultural programs and events are performed by students aimed at highlighting the constitutional spirit of liberty, equality, justice and fraternity. Republic day is also celebrated with great gratification to honor the date on which the constitution of India came into effect. In addition, Constitutional Day to commemorate the adaptation of the Constitution of India is also observed which highlight the efforts of the makers of constitution as well as to bring awareness about the importance of the "Voters Day". Workshop on Anti-Terrorism Day is organized to sensitize the students about its importance. Student's volunteers of National Service Scheme actively organize and participate in Blood Donation Camp, Donation Drives, Plantation Drives etc. for the upliftment of the society. University has incorporated numerous courses related to constitutional obligations. These courses are offered in various programs for making the students aware of human values, rights and duties.

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

All of the above

File Description	Documents
Upload relevant supporting document	View File

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

University regularly celebrates National and International

commemorative days, events and festivals to plantseed of Nationalism and Patriotism among students and to pay tribute to our great National Leaders. The Faculty, Staff and Students of the University together celebrate Independence Day, Republic Day, Flag Day to spread the message of Unity, Peace, Love and Happiness. Talks and lectures are organized by eminent Educationists and teachers on the occasion of Teachers' Day. Swachhata Pakhwada is also observed through various activities on the occasion of 150th Birth Anniversary of Mahatma Gandhi under "Swachh Bharath - Swasth Bharat" a "Clean India Campaign". Sadbhavana Diwas "National Unity Day" to commemorate the birth Anniversary of Sardar Vallabh Bhai Patel, National Youth Day to mark the birth anniversary of Swami Vivekananda, 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. Celebration of National Engineers Day in recognition of Bharat Ratna Mokshagundam Visvesvaraya's contribution towards nation building is favorite 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.

File Description	Documents
Upload relevant supporting document	View File

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

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

Objectives of the Practice:

Believing, youth of today is future of Modern India, MRIIRS decided to inculcate Research and Entrepreneurial skills in students.

The Context:

1. Today a large number of enterprises are ventured out by people in their young age across the globe.
2. This practice has spread right across students of all streams and disciplines.

The Practice:

MRIIRS has research, innovation and entrepreneurship as bedrock of its knowledge dissemination and training.

MRIIRS has Research & Innovation Clusters (RICs), Research Incubator(RI), Business Incubator(BI), Intellectual Property Rights(IPR) Cell.

MRIIRS has been granted financial support of Rs. 2.87 Cr. from DST-NESTEDB, Govt. of India for setting Manav Rachna New Generation Innovation and Entrepreneurship Development Centre.

Evidence of Success:

Efforts expended in the course of this practice have culminated in form of 500+ research publications by the students/faculty in peer-reviewed journals and 6+ start-ups are being incubated during the AY 2020-21.

Problems Encountered and Resources Required:

1. A change of mindset from normal classroom teaching.

Besides in-house faculty and expertise available, experts from outside industry are also a requirement.

7.3 - Institutional Distinctiveness

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

In consonance with the vision and mission, MRIIRS right since its inception has striven to engage in Institutional Social Responsibility (ISR). MRIIRS has rendered extension service to the community which has brought seminal changes on many fronts. Our students and faculty have engaged in ameliorating the plight of deprived sections of society on its own and in collaboration with governmental and local administration bodies.

A very innovative initiative 'Teacher-on-Call Program' with 30 parallel helplines for free service to the Students of Government Schools of Faridabad district launched which is available to Government School Students wherein their doubts/ queries are being removed by our Teachers during scheduled hours.

During Covid pandemic, we came out with a Mental Health initiative,

'Saathi' which was launched in 2020 with trained Clinical Psychologists to provide emotional First Aid and crisis management inputs who were stressed out due to current pandemic difficult times.

Under Ek Mutthi Daan around 50,000 kg of wheat, rice, grains and cereals was collected and donated to Orphanages, Old Age Homes, Animal Shelters and to District Administration during Covid.

Isolation centres for COVID patients were established in campus with ONGC for caring of Covid patients in district Faridabad.

7.3.2 - Plan of action for the next academic year

- Shall further augment, both qualitatively and quantitatively, our innovation and incubation centre leading to high-end research and commercially viable products.
- Shall endeavour to achieve 80% campus placement with raise in the average annual median salary
- Shall develop its R&D activities to a level so as to attract a significant amount of grant from Govt. agencies, public undertakings and industry.
- Shall undergo under NAAC II Cycle for Assessment and Accreditation.
- Shall implement the NEP 2020 in a phased manner with Multi Entry Multi Exit and option to go in for 4 year BA/BSc Programmes mapping with National Higher Education Qualification Framework.
- Shall introduce and implement Major and Minor Basket of Courses with more flexibility for the students.
- To have minimum 500 publications every year in highly indexed journals quoted in prestigious databases like Scopus/SCI/Web of Science etc.
- Target of achieving 10-12 national and 3-4 international championship/ medals by further strengthening the sports facilities and rigorous training through national/international coaches in the major interest areas of the students.
- All processes shall be carried out in a paperless mode through digitization by completely automated application
- Shall become a change-prime mover for societal improvements.