



Yearly Status Report - 2015-2016

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	MANAV RACHNA INTERNATIONAL UNIVERSITY
Name of the head of the Institution	Dr. N.C. Wadhwa (during AQAR)- Now Dr. Sanjay Srivastava
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01294198322
Mobile no.	9560299099
Registered Email	vc@mriu.edu.in
Alternate Email	director.qa@mriu.edu.in
Address	Sector-43, Delhi-Surajkund Road, Faridabad
City/Town	Faridabad
State/UT	Haryana
Pincode	121004

2. Institutional Status																			
University			Deemed																
Type of Institution			Co-education																
Location			Urban																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr. Suresh Bedi, (during AQAR)- Now Dr. Rashima Mahajan Director-IQAC																
Phone no/Alternate Phone no.			01294198304																
Mobile no.			9910105725																
Registered Email			director.qa@mriu.edu.in																
Alternate Email			pvc@mriu.edu.in																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			https://www.mriu.edu.in																
4. Whether Academic Calendar prepared during the year			Yes																
if yes, whether it is uploaded in the institutional website: Weblink :			https://manavrachna.edu.in/wp-content/uploads/2020/03/Academic-Calendar-AY-2015-16.pdf																
5. Accreditation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.05</td> <td>2015</td> <td>16-Nov-2015</td> <td>15-Nov-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	A	3.05	2015	16-Nov-2015	15-Nov-2020
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	A	3.05	2015	16-Nov-2015	15-Nov-2020														
6. Date of Establishment of IQAC			31-Jul-2009																
7. Internal Quality Assurance System																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries								
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FDP on Structural Equation Modeling	04-Sep-2015 1	25
FDP on Predictive Modeling Using Regression Analysis	03-Oct-2015 1	37
Staff Development Programme on Effective Negotiation Skills	03-Oct-2015 1	13
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8. 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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

- NAAC Accreditation: NAAC inspection was held on 28th30th Oct 2015. The executive committee of the National assessment and Accreditation Council on the recommendation of the duly appointed Peer Team declared the MRIU as accredited with CGPA of 3.05 on fourpoint scale at A Grade on Nov 16, 2020 which is valid up to Nov 15, 2020.
- Introduction of Choice Based Credit System (CBCS): A choice based credit system has been introduced across the university by including Elective courses (Generic Electives, Discipline Electives and Open Electives).
- Institutionalization of obtaining structured feedback from different stakeholders: The process of obtaining structured feedback from different stakeholders was institutionalized as a quality measure. Feedback forms to obtain feedback from various stakeholders were finalized in the form of Student Course Feedback, Annual 360° Student Feedback, Alumni Feedback, Employer Feedback,

Parents Feedback and Faculty Feedback. • Institutionalization of Guidelines and Parameters for Academic Audit: The guidelines and parameters to conduct the Academic Audit of all departments of MRIU has been set and institutionalized. • Introduction of noncredit Interdisciplinary ValueAdded Courses: As per the suggestions of Peer Team of NAAC, noncredit ValueAdded Courses were introduced across the University. The related Policy and standard set of Procedures wrt enrollment, duration, certification of Valueadded courses were also framed. As a result, interdisciplinary valueadded courses are being run by each department to enhance the knowledge of the students in different fields. The aim is to enrich the knowledge of students so that they can better be prepared to meet industry demands as well as develop their own aptitudes. • Initiative to prepare Quality Assurance Manual: Quality Assurance Manual serves as a guide for all Academic and Administrative activities of the university. Keeping this in mind the process for revision of Quality Assurance Manual of MRIU was initiated by Internal Quality Assurance Cell (IQAC). Following policies and standard operating procedures has been institutionalized: Teaching, Learning and Evaluation Curriculum Design Development and Review ValueAdded Courses Feedback system Student Placement Student Mentoring System The following policies were prepared, reviewed and approved by IQAC and to be Institutionalized after the approval of BOM. Library usage IT usage and maintenance Faculty and Staff Welfare Infrastructure usage and maintenance Handbook of Ethical Policy and Conduct Rules for Students, Faculty members and Staff members

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

Plan of Action	Achivements/Outcomes
Awareness session on Implementation of AAA for Quality Assurance	Awareness session on Implementation of AAA for Quality Assurance was conducted on 7th May 2016. Academic and Administrative unit heads were apprised about the complete process of conduct of AAA.
FDP on Quality Assurance in Higher Education: Emerging Trends and approaches	FDP on Quality Assurance in Higher Education: Emerging Trends and approaches was held on Jan 16th 2016.
Preparation of Visit of Peer Team of NAAC due in October 2015	The respective Departmental Evaluator Reports including NAAC SSR document for visit of NAAC Team were finalized and submitted on time. NAAC inspection was held on 28th30th Oct 2015. The executive committee of the National assessment and Accreditation Council on the recommendation of the duly appointed Peer Team declared the MRIU as accredited with CGPA of 3.05 on fourpoint scale at A Grade on Nov 16, 2020 which is valid up to Nov 15, 2020.

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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <tr> <td>Name of Statutory Body</td> <td>Meeting Date</td> </tr> <tr> <td>Board of Management</td> <td>28-Sep-2016</td> </tr> </table>		Name of Statutory Body	Meeting Date	Board of Management	28-Sep-2016
Name of Statutory Body	Meeting Date				
Board of Management	28-Sep-2016				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes				
Date of Visit	28-Oct-2015				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2016				
Date of Submission	01-Mar-2016				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The university has a campus wide MIS which is based on Campus Management Software of TCSiON. Technology in the education system enables students, faculty and researchers with easy access to the internet and open networks, to adopt high degrees of sharing, collaboration and participation. We are fully clued up on the hypothesis that the dimensions and quality of education keep on evolving with time. In every walk of life, there has to be very copious intervention of technology in general and that of Information and Communication Technology (ICT) in particular. In consonance with this, all our essential processes which appertain to academics, examinations, student support services like hostel and transport, various human resource functions are executed through a highly sophisticated EMS (Education Management System) platform developed by Campus Management Software of TCSiON. MRIU has subscribed to Comprehensive EMS developed by M/s Tata Consultancy Services, a leading IT company in the world. It provides integrated solution to enhance various operations in the university. It</p>				

provides an information portal to all stake holders viz. the Students, Parents, Faculty Staff and the Management so that they can have access to right information at right time. The automation process includes online application for admission, preparation of merit list, allotment of seats, collection of fee, Campus Management System consisting of time table, student attendance, and administrative functions like HRMS, Payroll, Finance and Accounting, Purchase and Inventory, Facilities Management etc. Education Management System ensures comprehensive academic support to the students in the form of study material consisting of lesson plans, class notes, assignments, stimulations, animations, assessment exercises etc. Data is generated on the real time bases and stored in the scientific manner for retrieval. This greatly increases the efficiency of academic and administrative operations. Campus management system takes care of applicant and student databases, time table, attendance modules, and grading modules. Also, MRIU has inhouse developed result processing software to generate the final grades and CGPA. Following are the outcomes witnessed throughout the year:

- It is successfully providing an integrated platform for smoothly conveniently running the various processes of the university.
- An Automated Maintenance/service facility is available across organization through helpdesk
- The time efforts for maintenance of Students as well as employee records got reduced significantly.
- It provides a single window solution to various workflows across university.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	BAEE-001	Aeronautical Engineering	24/07/2015
BTech	BAUE-002	Automobile Engineering	24/07/2015

BTech	BBIT-003	Biotechnology Engineering	24/07/2015
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Biotechnology Engineering BBIT - 003	11/01/2016	Bioinformatics Computer Applications BT-406	11/01/2016
BTech	Biotechnology Engineering BBIT - 003	11/01/2016	Basics Of Chemical Engineering Lab BT-414A	11/01/2016
BTech	Biotechnology Engineering BBIT - 003	11/01/2016	Bioinformatics & Computer Applications Lab BT-415	11/01/2016
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	Computer Engineering with Specialization in Computer Networking	06/07/2015
Mtech	Civil Engineering with specialization in Construction Management	06/07/2015
BTech	Computer Science & Engineering with specialization in Cyber Security & Forensics	06/07/2015
BTech	Computer Science & Engineering with specialization in Business Analytics & Optimisation	06/07/2015
BA	Applied Psychology	08/07/2015
MSc	Energy and Environment	06/07/2015
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Biotechnology	06/07/2015

	Engineering	
Mtech	Biotechnology Engineering	06/07/2015
MSc	Biotechnology	06/07/2015
BTech	Mechanical Engineering	06/07/2015
BTech	Mechanical Engineering: Industry Integrated	06/07/2015
Mtech	Mechanical with specialization in Industrial Engineering	06/07/2015
BTech	Aeronautical Engineering	06/07/2015
BTech	Automobile Engineering	06/07/2015
BTech	Civil Engineering	06/07/2015
BTech	Computer Science & Engineering	06/07/2015
BTech	Computer Science and Engineering with specialization in Cloud Computing	06/07/2015
BTech	Computer Science & Engineering with specialization in Business Analytics & Optimisation	06/07/2015
BTech	Computer Science & Engineering with specialization in Cyber Security & Forensics	06/07/2016
BTech	Electronics & Communication Engineering	06/07/2015
BTech	Electrical & Electronics Engineering.	06/07/2015
Mtech	Civil Engineering with specialization in Construction Management	06/07/2015
Mtech	Civil Engineering with specialization in Structural Engineering	06/07/2015
Mtech	Computer Engineering	06/07/2015
Mtech	Computer Engineering with specialization in Computer Networking	06/07/2015
Mtech	Electrical Engineering with specialization in Power Systems and Electrical Drives	08/07/2015
Mtech	Electronics & Communication Engg. with	06/07/2015

	specialization in Communication Systems	
Mtech	Electronics & Communication Engg. with specialization in VLSI Design and Embedded Systems	06/07/2015
BCA	Computer Application	08/07/2015
MCA	Computer Application	08/07/2015
BSc	Information Technology	08/07/2015
BPT	Physiotherapy	08/07/2015
MPT	Physiotherapy	08/07/2015
BSc	Nutrition & Dietetics	08/07/2015
MSc	Nutrition & Dietetics	08/07/2015
BBA	General	08/07/2015
BBA	Global - International Business	08/07/2015
BBA	Banking	08/07/2015
BCom	Commerce	08/07/2015
BCom	Industry Integrated	08/07/2015
BA	Journalism & Mass communication	08/07/2015
MA	Journalism & Mass communication	08/07/2015
BA	English	08/07/2015
MBA	Business Administration	08/07/2015
BA	Applied Psychology	08/07/2015
MA	Applied Psychology	08/07/2015
BArch	Architecture	08/07/2015
BSc	Interior Design	08/07/2015
BSc	Hospitality and Hotel Administration	08/07/2015
MSc	Energy and Environment	06/07/2015

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Ergonomics Workplace Analysis	06/06/2016	23
Application Of Composite Materials In Automobiles	07/12/2015	22
Automotive Safety System	15/12/2015	24

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Automobile Engineering	27
BTech	Aeronautical Engineering	12
BTech	Civil Engineering	207
BTech	Electrical & Electronics Engineering	27
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Stakeholder feedback system is a critical and an important tool for enhanced quality level of an academic institute or a university. It provides an awakening call if the processes are deviating from the intended trajectories. The curriculum revision and introduction of new courses/ programs is done on the basis of feedback of all stakeholders in Manav Rachna International University (MRIU). All stakeholders viz students, faculty members, employers, alumni and parents participate and contribute with enthusiasm in feedback process. A Standard Operating Procedure (SOP) on "Stakeholders Feedback System" has been formulated with an aim to arrive at the optimal solutions, benchmarking is carried out with the best practices engaged in the Institutions of Excellence in the country and abroad. The reports compiled by the respective Heads of the Departments on suggestion and recommendations given by the stakeholders with regards to the start of new courses including value added courses, revision in course and other curricular aspects are sent to a committee on "Feedback on Curricula" at the end of the session for its further recommendations. These recommendations are further deliberated in IQAC with course of action to be taken up by the respective department in its BoS and for final approval by Academic Council. Curriculum aspects and its design subsumes the meaningful suggestions received from prospective employers, alumni, outside academics students and parents Feedback forms of different stakeholders consist of different items pertaining to curriculum. Faculty feedback form includes parameters such as suitability of present curriculum towards program, relevance of courses taught in terms of futuristic technologies, overall effectiveness of syllabus, meeting research and industry demands, balance between theory and lab based courses, Outcome Based Education Lifelong Learning and positive impact of curriculum on employment potential of students. Employer's feedback parameters are ability to manage leadership, quality of work, interest and motivation, ability to learn and make use of learning opportunities, technical knowledge, relationship with seniors/ peers/ subordinates and other consanguine cross-cutting staff and involvement in</p>

social activities. Last but not the least, alumni feedback form's parameters include how projects, electives courses, extra curriculum activities were helpful for them. Feedback on curricula and generic facilities from students and faculty members is collected twice a year, whereas feedback from parents, alumni and employers is collected once a year. Beside this feedback of students in respect of course delivery by faculty is taken every semester regularly. The observations / criticism / endorsement / appreciation are thoroughly dissected by the committee and corrective measures are initiated. In subsequent meetings, Action Taken Reports are closely monitored to ensure speedy mid-course correction. The real use of any feedback system lies in its effective and expedient implementation and the requisite action taken. Periodic meetings are held by Deans of the Departments to review the Action Taken Report by HODs and a final Report is submitted to the "Feedback committee on Curricula". HODs also garner viewpoints from Student Representatives about the efficacious implementation of solutions to their observations received in the earlier feedbacks.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Aeronautical Engineering	30	175	15
BTech	Automobile Engineering	20	128	20
BTech	Biotechnology	45	256	45
View File				

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2015	5431	590	316	18	90

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
424	424	19	137	5	15
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Student Mentoring System: Student Mentoring, counseling guidance are important pillars of student support

services. The students need this support to overcome their personal, social and academic problems which impede their studies. The students often face pressure after joining the professional courses. These may be of varied nature, which may be academic, personal, or career related. At times, due to these pressures they feel stressed and this interferes in their pursuit. To prevent students from going through travails of such stress factors, an independent well-coordinated system for mentoring and counseling system is in place in the university. Students are supported for their mentoring in academics, sports and cultural activities. The aim of such a support system is to help the students to cope up academically, give personal counseling, extend career guidance, support co-curricular activities coordinate welfare activities, interact with parents, seek student's involvement in pursuit of university vision and objectives and establish healthy, cooperative and academic ambience in the university. They are counseled to develop professional competitiveness as well as ethics, human values, sense of social responsibility and environmental consciousness. Each department of the University have a well enriched student mentoring mechanism. • All the students of the department come under this system from the date of joining the department. Each faculty member is allocated with 25-30 students under the mentoring system. • A complete track of the student activities like Academic, Co-curricular, Extra Curricular achievements, Social activities and the details of Parents Meetings are registered in the system. • Faculty Mentors conduct a meeting with the students at least every fortnight and their Academic progress and participation in other activities are discussed and noted. • Any discrepancy in the student behavior like Attendance, poor performance in academics etc is analyzed and the student is counselled with care. • Faculty member submits the record to the office of Department Head. • The critical cases are scrutinized at head of the department level and corrective measures are suggested. If necessary, Parents are also called for discussions.

Career Development Centre (CDC) is the training arm of MRIU which looks after the skill enhancement requirements of Higher Education. It works with a mission of helping students realize their full potential and help them to be employable. It is providing extensive process oriented and activity driven training on Personality Development, Business English, Business Communication and Aptitude Development. These trainings are delivered in two formats –Regular Semester coaching and Crash courses. It is helping the placement initiatives of the University by conducting conduct Employability Assessments. Apart from this, a dedicated team of Dean of student welfare and Department of Sports provide mentoring and motivational support for overall development of the students. Anti-ragging committee functions at University and Faculty level under Proctor of the University. Various Grievances Committees operate under senior functionaries of the University.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6021	424	1:14

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
419	424	Nill	48	98

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2015	Pratima Manhas	Associate Professor	Best Paper award in International Conference on Reliability, Infocom Technologies and Optimization (ICRITO 2015), Amity University Noida. (4th July 2015)

2015	Devendra Vashist	Professor	Invited Session Chair during 3rd International Conference on 'Manufacturing Excellence-(MANFEX 2016)' organized by Amity School of Engineering and Technology (ASET), 17th March, 2016.
2015	Deepak Kumar	Associate Professor	Invited Talk on Basic Concepts of Probability during DST sponsored FDP on Big Data Analytics. (6th June 2016)

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	BBIT- 003	1, 3, 5, 7 / 2015	04/01/2016	17/01/2016
BTech	BAUE-002	1, 3, 5, 7 / 2015	04/01/2016	17/01/2016
BTech	BAEE-001	1, 3, 5, 7 / 2015	04/01/2016	17/01/2016

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
12	5868	0.20

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://manavrachna.edu.in/wp-content/uploads/2021/03/Prgram-Outcomes-Program-Sprcific-Outcomes-and-Course-Outcome-Statements.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage

BAEE-001	BTech	Aeronautical Engineering	13	10	76.92
BAUE-002	BTech	Automobile Engineering	27	20	74.07
BBIT- 003	BTech	Biotechnol ogy	14	9	64.29
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://manavrachna.edu.in/wp-content/uploads/2021/10/Student-Satisfaction-Survey-2015-16.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Anita Gupta	Intervention Programmes to Reducing Examination Anxiety and Improving Mental Health of High School Children those who have Poor Study Habits	02/06/2016	NCERT, New Delhi
National	Mr. Neeraj Lamba	Productivity Improvement and Cost Reduction in Ferrous Foundry through Lean Manufacturing	30/06/2015	Marshall Castings Limited Plot No. 347-348, Sector-24, Fari dabad-121005
View File				

3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
JRFs	365	CSIR
JRFs	365	UGC
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding	Total grant	Amount received
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		agency	sanctioned	during the year
Major Projects	547	NCERT	3.07	1.5
Industry sponsored Projects	365	Mitsubishi Electric India Pvt. Ltd.	23.32	23.32
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Seminar on Awareness about conservation of water on World water day	Biotechnology	22/03/2016
Workshop on Assembly and Disassembly of IC Engines Innoskill 2016	Automobile Engineering	02/04/2016
Automobile Engineering-Tech' Workshop on "Engine Overhauling, Engine Fault Diagnosis and Wheel Balancing	Automobile Engineering	28/01/2016
View File		

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Media Player Based on Emotion Recognition	Kartik Chawla, Gunveer Singh	FIA	21/02/2016	Student
View File				

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
MRIIC	Mr. Rakesh Sethi, Mr. Yugank Rastogi	MRIIC	Hyfn Games Pvt Ltd	Cross Platform Game Development and Virtual reality project outsourcing.	21/12/2015
MRIIC	Mr. Mohit Bahl, Mr. Manasvi Sihag	MRIIC	TechnoPlanet Labs Pvt Ltd	Setting up ATLs and providing STEAM trainings to school students.	15/09/2015
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Applications	2
Computer Science and Engineering	2
Electronics and Communication Engineering	1
Electrical and Electronics Engineering	3
English	1
Management Studies	5

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Automobile Engineering	3	4.36
International	Biotechnology	25	2.33
National	Biotechnology	11	3.52
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Physiotherapy	2
Electrical and Electronics Engineering	1
Computer Applications	1
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Non Invasive Measurement Of Bilirubin Level In The Blood- Ms. Noor Fatima Rizvi Dr. S. K. Chakarvarti	Published	113350041	18/12/2015
VEHICLE MOUNTED AIR FILTER- Mr. B.S Gill Ms. Prachie Sharma	Filed	201611010437	28/03/2016
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as	Number of citations
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					mentioned in the publication	excluding self citation
A novel crescent shaped slot UWB antenna with band notch characteristics	Kathuria, N., Mital, P.B.	Proceedings - 2015 International Conference on Computers, Communications and Systems, ICCCS 2015	2016	2	MRIU	2
A Modified K-Nearest Neighbor Algorithm using Feature Optimization	Rashmi Agrawal	International Journal of Engineering and Technology	2016	4	MRIU	3
A modified K-nearest neighbor algorithm to handle uncertain data	Agrawal, R., Ram, B.	2015 5th International Conference on IT Convergence and Security, ICITCS 2015 - Proceedings	2015	2	MRIU	2
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A real-time acoustic signature-based fluid identification methodology for applications in the field of security and defence	Singh, S., Bansal, D.	International Journal of Engineering Systems Modelling and Simulation	2016	7	2	MRIU
A	Rashmi	Internat	2016	3	3	MRIU

Modified K-Nearest Neighbor Algorithm using Feature Optimization	Agrawal	Journal of Engineering and Technology				
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	19	250	Nill	52
Presented papers	143	47	Nill	Nill
Resource persons	4	Nill	Nill	Nill

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
J. Saigal -Architecture	Report of damage due to fire and redoing of Building Work	Rubber India Plot No-37 C, Sector, Faridabad	35000
J. Saigal -Architecture	Interior and Exterior Façade to Bike Zone	S S Motors	40000
J. Saigal -Architecture	Inteior Design of Guest House at First Floor	Krishna Industries	20000

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr. Anita Khosla-Electrical and Electronics Engineering	AMIE Section-B Practical Training Evaluation	Associate Member of Institution of Engineers.(AMIE) by Institution of Engineers(INDIA)	572400	156
Brig. S.N Setia	Supply chain management course	Directorate General Resettlement, Ministry of Defence, GOI	1648675	26

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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Youth For Road Safety: Quiz and Awareness Session on Duty, Rights and Responsibilities	NSS unit of MRIU	2	50
Smart City Collection: Culture and Governance	NSS unit of MRIU	2	10
Ek Mutthi Daan, No one Sleeps Hungry	All departments of MRIU with Dr. OP Bhalla Foundation	250	1000

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood donation	Letter of Recognition	Rotrary Club, faridabad	213
Talent Show at Girls School, Mohna village	Letter of Recognition	Principal Girls Government School	10

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Road Safety	NSS unit of MRIU	Youth For Road Safety: Quiz and Awareness Session on Duty, Rights and Responsibil ities	2	50
Donation Drive	NSS unit of MRIU	Smart City Collection: Culture and Governance	2	10
Education Support	NSS unit of MRIU	Talent Show at Girls School, Mohna village	2	10

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
FDP on Quality Assurance in Higher Education: Emerging Trends and approaches in collaboration with YMCA	44 participants	MRIU	1
Workshop on Experiential and Outcome Based Learning in collaboration with YMCA	250 participants	MRIU	12
Orientation Workshop on Quality Sustenance in Examination System- Setting Quality Question Papers in collaboration with YMCA	36 participants	MRIU	1

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry - Academic Partnership	Industrial Training / Internship	JMD Limited, JMD, Suburbio-1, setor-67, sohana road-badshapur, gurgaon	01/01/2016	30/06/2016	Suryavir Singh Rana student of Civil Engineering
Industry - Academic Partnership	Industrial Training / Internship	URS SCOTT WILSON INDIA PVT LTD, JV WITH RODIC CONSULTANTS PVT.LTD GYAN BHAWAN HOUSE NO. 1438 SEC-14 FBD 121007 HARYANA	01/01/2016	30/06/2016	Pawan Kumar Rana student of Civil Engineering

Industry - Academic Partnership	Industrial Training / Internship	Larsen and toubro ,M3M merlin, sec. 67,near Badshahpur	01/01/2016	30/06/2016	Deepak Dahiya student of Civil Engineering
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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
BSE Institute Ltd	27/06/2016	Offer educational training programs in capital markets	40
Lahti University of Applied Sciences	12/05/2016	Academic Research Collaboration between Staff, Academic Staff exchange, Student Exchange, Quality Assurance, Articulation, Sharing of Teaching Learning Resources, Collaborately deliver in MRIU	5
KPMG	02/04/2016	Courses on Financial Accounting	40
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
954.82	1015.54

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased	Newly Added

during the year (rs. in lakhs)	
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Libsys 7	Fully	Libsys Web-7.0	2002

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Journals	Nill	Nill	185	589342	185	589342
Others(s pecify)	Nill	Nill	25	78598	25	78598
Others(s pecify)	Nill	Nill	22	48598	22	48598
View File						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwidt h (MBPS/ GBPS)	Others
Existin g	1811	35	1811	1	5	45	23	155	0
Added	292	0	292	0	0	0	0	0	0
Total	2103	35	2103	1	5	45	23	155	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

155 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Video Production Center	https://manavrachna.edu.in/international

	l-institute-of-research-and-studies/media-studies-humanities/tv-studio/
Audio-Visual Center	https://manavrachna.edu.in/international-institute-of-research-and-studies/audio-visual-center/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
367.07	287.92	859.47	750.77

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Usage policy for various facilities: Each of the laboratories, sports, library facilities and computer center has a log book to maintain the usage record of the facilities. However, in order to use the central facilities like seminar hall and auditorium, the users need to send a request to central admin department through a printed form. . The sports department in addition to the usage record register, also rolls out an activity calendar for various sports competitions. Physical Infrastructure (including civil/electrical/furniture/RO water/ACs/Fire Fighting): The University has a dedicated team of masons, plumbers, electricians, carpenters, painter, welder, AC technicians etc. to take care of the small maintenance work, as and when required. During the lean teaching period an exhaustive audit of the complete infrastructure is done and team takes care of the small repairs. However for bigger assignments the job is outsourced. The whitewash and painting of the outside walls of the blocks and inside classrooms is outsourced and happens as per the requirement. Housekeeping: A team of housekeeping staff, ensures that the corridors, stairs, walkways and common areas are dust garbage free. The washrooms, classrooms, laboratories and staffrooms are cleaned on daily basis. Computing, network, surveillance and AV facilities: A dedicated team of technicians exists, in each of the academic block in the campus. The complaints received through e-mails or complaint register are taken care by the technicians. The computers/laptops are repaired/ replaced/ upgraded as per the requirements. The video projection/Audio system available in all the classrooms, seminar halls and labs are maintained by IT department itself. Laboratory/Workshop equipment: The equipment, machinery, apparatus etc. are maintained by the respective Lab In-charges under the advice of concerned HODs. Systematic disposal of waste of all types, such as bio-degradable chemical and e-waste is done in the proper way. Sports Facilities: The University has sufficient in-house space to organize sports activities like play cricket, volley ball, basket ball, gymnastic, TT, chess, shooting and other indoor games etc. Separate adequate funds are available for purchase of sports items and their maintenance purpose. Sports coaches of various games, working under Director sports, are available to guide/coach the students and regularly organizing the sports event in the college campus. New sports facilities are continuously being added on regular basis. At present a soccer field is being developed. Vehicles Transport: A separate transport department is detailed for taking care of buses and their maintenance on daily, weekly, monthly, quarterly, half yearly yearly basis. The University has adequate buses to facilitate student and staff, covering all the routes in Delhi-NCR. One ambulance is available in college 24 X 7 hours for students and faculty at the

time of emergency. Transport Manager is responsible for taking care of schedule, routes and staff with the help of supervisors. Horticulture: A team of gardeners look after the well-manicured lawns and plants in the campus. Roof-top Solar system: The institute has 308kwh roof-top solar system installed and maintained by Amplus Solar under Opex model. For maintaining the infrastructural facilities there are regular checkups to ensure proper working.

<https://manavrachna.edu.in/infrastructure-and-support-services/>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Scholarships on Basis of Marks in Qualifying Exam	569	19836079
Financial Support from Other Sources			
a) National	PMS BC/EBC Others	27	1205020
b) International	NIL	Nill	Nill

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Bridge courses_Basic IT	10/08/2015	95	Faculty of Management Studies
Bridge courses_Case Study Handling	10/08/2015	95	Faculty of Management Studies
Bridge courses_English Communication	10/08/2015	95	Faculty of Management Studies
Bridge courses_Statistics	10/08/2015	95	Faculty of Management Studies

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2015	Competitive Examination Preparation	198	Nill	13	Nill
2015	Career Counselling	Nill	3493	Nill	812

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
21	21	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
AcademiaGu ru.com	11	8	A A Enterprises	5	4
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2015	1	BSc	Department of Nutrition and Dietetics	Bundelkhand University, Jhansi	MSc. Food and Nutrition
2015	17	BSc	Department of Nutrition and Dietetics	Manav Rachna International University	MSc Nutrition and Dietetics
2015	1	BBA	Department of Business Studies	Banasthali Vidyapeeth	Master of Business Administration
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
CAT	1
GATE	5
NET	1
TOFEL	1
Any Other	5
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Best Dancer , Best Singer , Be the Actor,	University	70

Best Stand-Up Comedian, Best Fashion Walk		
Tug of War, Musical Chair, Relay Race, Three Leg Race, Spoon Lemon Race, Basket-Ball	Inter College	250
Badminton, Table Tennis	Department	300
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2015	World University Games 2015 at South Korea/ Bronze Medal	Internat ional	1	Nill	14/FMS/M BA/085	Ankur Mittal
2015	Wako Asian Kick Boxing Championship 2015 at Pune /Bronze Medal	Internat ional	1	Nill	1/13/FET /BAE/1/028	Kuldeep Kumar
2015	'Mauler' at National Students' Space Challenge, 2015	National	Nill	1	1/14/FET /BCC/2/038	Yuvraj Singh Senger
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

University has a Student Council which serves as a strong bond between Students and Faculty members. The Council comprises of students selected based on their performance in academics, sports, cultural, extra and co-curricular activities. The nomination of all the members of the Student Council is held as per the norms laid down by the University. Council is declared after receiving all nominations from each Department. Final announcement of Student Council is done from the Office of Registrar. 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 various departments of the University. Student Council share ideas and gives proposals for all the issues such as academic programs, regulations of class, maximizing the participation of students in various programs, organizing various social, cultural, artistic and sport activities. The whole purpose of the Student Council is to give students an

opportunity to develop managerial skills by carrying out different activities including extension activities that not only maintain University core values but also significantly contribute to Community Welfare. The members of student council also help in forwarding requests from students to the University Administration and to contribute to the educational activities at the University thereby supporting the University's Educational and Administrative goals to address various aspects of the entire student experience. They help to coordinate activities and suggest extra inputs in coordination with other students of their department. They help to coordinate activities and suggest extra inputs in coordination with other students of their department as well as submit feedback to the department. The council arranges Intra-University events and ensures participation of students in Inter University events as well as involves students in CSR activities in association with various Government Organizations / Institutions like Red Cross, Rotary Clubs arranging Blood donation camps, Donation Drives as well as Outreach programmes etc. Student council also establish a network with the alumni through Alumni Associations and coordinate in organizing different activities like alumni meet, and interact with the alumni at various forums and always maintain an updated database of the Alumni. Student Council members are also part of Administrative Committees of the University like IQAC, Anti Ragging Committee, Discipline Committee, and Department Academic Council etc. They play important role in hosting various workshops, sessions, innovative games, competitions for aspiring students and support them by providing necessary resources such as, mentoring, and networking. Student Council helps to develop student potential and encourage making a well-informed, honest, interested and active citizenship. It not only develops leadership abilities within the youth of today, but also leadership for the Community and Nation of tomorrow.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Manav Rachna International University Alumni Association is registered under Manav Rachna Vidyanatariksha Foundation registered on February 17, 2014. The Bye Laws has been created for the functioning of alumni Department. The Bye laws describe the calendar event and meetings of different chapters and executive council. Manav Rachna International University Alumni Association which has an Alumni Base of 14000 members has six faculty chapters for easier administrative reach out. The names of the chapters are as follows: 1) Faculty of Engineering Technology Chapter 2) Faculty of Planning Architecture Chapter 3) Faculty of Computer Applications Chapter 4) Faculty of Media Studies Chapter 5) Faculty of Commerce Humanities Chapter 6) Faculty of Management Studies Chapter Each Chapter has a respective Alumni Faculty Coordinator with support from HoDs Deans to support Alumni Connect and Facilitation. These chapters are created for the better and personal connect of the respective faculty alumni which works under the umbrella of central alumni association. MRIU has been holding Executive Council General Body Meetings as per the quorum regularly to undertake initiatives for the welfare of the Alumni Network. The executive council meetings have been conducted regularly followed by faculty chapters meetings. The executive council members are from different departments of university like Sports, Career Development Centre, Students Welfare, Information Technology, Library, Faculty, Heads of Department and alumni. All the members of the executive council are selected on the basis of inclusion of all the facilities/aspects where student have spent their time at college. In executive council meeting headed by designated Chief Patron, President and Treasurer of alumni association in line with Bye Laws, the enhancement of alumni connect is always explored. Respective Chapters have also been holding Expert lectures, Seminars Alumni Connect Activities, Meets etc. for Alumni

Engagement. Alumni of MRIU 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. At the same time alumni have been given different access in the university campus like Library resources, Sports Facilities etc. MRIU also focus on capturing the opportunities from social media to make our alumni connect better. To enhance the alumni connect, the university is also exploring an establishment of website/mobile application to reach out to the alumni.

5.4.2 – No. of registered Alumni:

14647

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

4

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

MRIU practices decentralization and participative management to improve the efficacy of university system and quality of university services. The decentralization of administrative processes is evident from the organizational chart which shows the decision-making process. The top leadership plays a role model to make a positive impact on all levels of functionaries. In consonance with this policy, powers have been delegated amongst most of the academic and Teaching/Administrative Departments/Offices, including Research and Development. These academicians and officers meet the Vice-Chancellor as frequently as required to deliberate on academic, administrative and developmental matters. As a matter of fact, 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. Whenever warranted, special committees are constituted to deal with special situations. The total decision-making process is democratic and decentralized which ensures continuous interaction between the teachers and other staff and the administration. This work approach promotes healthy coordination among various academic and administrative units of the institution thereby grooming the leadership at various levels. Examples of practices of decentralization and participative management are listed as: 1. All efforts for design/revisions of academic (curriculum revision, program scheme revision), teaching-learning (lesson planning, content dissemination) and evaluation processes are initiated and executed by the Boards of Studies comprising faculty at core level in a total participative mode before ratification by the Academic Council. 2. All Statutory Bodies like Academic Council, Board of Management, Board of Studies, Board of Faculty, Internal Quality Assurance Cell, Finance Committee and other committees work with participation of faculty of all cadres at the University. The members of these Bodies and Committees are rotated after regular intervals as per guidelines of UGC. 3. Financial powers have also been decentralized for smooth functioning of the departments. The accounts department seeks the fund requirement from various departments of the university for the next financial year. These requirements are compiled and further total budget requirement is prepared

centrally at the University level. Allocated funds approved by the Board of Management for the Financial Year under various Heads are communicated to all Faculties/Department/Sections.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	Curriculum Development is based on feedback from all the stakeholders and is analyzed in the light of the curriculum requirements of Regulatory Bodies, best practices and contemporary expectations of the Industries. The workshops are also conducted time to time to deliberate on curriculum revisions. The strategic components of curriculum include domain excellence, application skills, professional competence, global orientation, IT exposure, research orientation, interdisciplinary and multi-disciplinary focus.
Teaching and Learning	At the beginning of each session University academic calendar and departmental plans are prepared and shared with students in advance. To unify the diversified categories of students, each Faculty organizes orientation programs for fresher students. Each department follows the laid Policy of the University on Teaching Learning and Evaluation for distinctive approaches of teaching and learning to be adopted to address the needs of slow and advanced learners also. Each department follows a system of peer learning and student mentoring. The students are also involved in value-added academic programs.
Examination and Evaluation	Continuous internal assessment of assignments, sessional tests, lab reports/performance, technical seminars, projects and internships is done during a semester. University holds end-semester theory/practical examinations for all academic programs. University has in-house secure facilities for typing, printing, photocopying followed by result processing examination software. CoE notifies names of superintendents to prepare examination date-sheet, list of registered/eligible students, seating

plan, appoint invigilators and maintain student attendance during exam. Spot evaluation is in place ever since inception of the university. Results are notified within stipulated time through website/individual departments.

Research and Development

The strategy is to systematize procedures for facilitating R and D activities to generate resources, establish national/international collaborations, foster academy-industry interaction, address issues of social/national relevance, extend service to social organizations, lead to value addition for faculty and students in term of indexed publications, and provide visibility for the university. The major objectives are to provide a clear consultancy framework, manage external links effectively to facilitate and support multi-disciplinary research, ensure appropriate returns to both employee and university for effective use of resources and intellectual assets, and encourage/develop the University's links with wider community through high quality consultancy activities.

Library, ICT and Physical Infrastructure / Instrumentation

Strategy for Library is to build quality knowledge base through books/e-books, journals, databases and to keep close liaison with different academic units. It seeks to provide full access to print/digital resources in an enabling environment to students/faculty/other employees. Library is Wi-Fi enabled, offers latest technological applications including e-books, audio-books, e-journals to maximize the use/ease of library resources. The collection can be accessed campus wide through dedicated LAN and selected e-resources/online catalogue can be accessed 24x7 over web. Photocopier, scanner, printers and desktops are located in the library. Liberal budgetary support is provided and facility operations management is environmentally sustainable.

Human Resource Management

The strategy for human resource management revolves around conducting job analysis, planning faculty and staff needs, recruiting and selecting the right people for the jobs, orientation and training of the employees for better productivity and

efficiency, determining and managing wages and salaries, providing benefits and incentives, appraising performance, resolving disputes, communicating with all employees at all levels. The core purpose of strategy is to make strong, satisfied and result oriented teams, enhance employee welfare and improve productivity and efficiency on a continuous basis and in keeping with the Vision and Mission of the University.

Industry Interaction / Collaboration

The core components of strategy are to undertake effectively the task of strengthening the linkages with recruiting organizations through activities including professional development programs/seminars/workshops developing strong industry-institute interface, internships, interactive industry visits, pre-placement counseling, developing executing placement strategy, interaction with potential recruiters, industry collaborations and tie-ups followed by mock interview sessions and career guidance. Dedicated CRC and CDC act as prime movers.

Admission of Students

The university admissions are an online student-friendly multi-stage process involving the filling up of the admission form, entrance exam, creation of merit list, displaying of results on website, physical counseling before culminating in the final Admission to the Programme of choice. The university inculcates every effort to make this process fair, transparent, smooth and expeditious to facilitate merit-based admissions. The core objective of admission strategy is to improve the quality of students in terms of academic merit at the entry level, provide them complete and reliable information about the university and to inform them about the choices available.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	a. Role Setup- Module wise access rights to respective stakeholders like teaching staff, departmental heads administrative, Admissions, Hostel/Transport, Finance, HR and other Department staffs. b. Faculty- course allocation, Time table, Lesson Plan and

Attendance Module: • Students are divided into sections and practical or tutorial groups, further courses are allocated to Faculty members according to specific batch/section/practical or tutorial groups and teaching load according to lecture per week is defined. • Time table is prepared according to the defined teaching load. Date wise time table can be viewed by students and faculty members. • Lesson plan for the whole session with proposed date is prepared and uploaded by all faculty members. • Faculty members mark the student attendance within 24 hrs of the lecture conducted.

• Date wise/course wise/aggregate attendance report can be viewed by students and faculty members. c. Assignments and Academic Content Module: • Faculty members upload the various assignments for the allocated courses. It can be viewed by the students for further submission. • Uploaded course contents like syllabus, previous year question papers, lecture notes, PPT's, relevant web-links and videos can be accessed by the students.

Administration

• Allocation of Hostel Beds and Transport vehicle according to facilities and Route/Stop opted by the student. • Hostel and Transport ID Cards can be generated from the system. • Prospective candidates can apply at MRIU by filling online recruitment form, collected data can be used for short listing, scheduling interview and sending E-Mail/SMS to the candidates. • Staff members can view their daily attendance(IN and OUT timings) on LMS. • Check their head wise total leaves credited, leave application module, leaves status check and balance module. • The Library is Wi-Fi and RFID enabled- a technology facilitating self-service of books in areas like the issue of books, return, renewal, reissue, reservation and security management.

Finance and Accounts

• Student can view/Pay (Through Credit card/Net banking) their previous balance amount with current Academic, Hostel/Transport or Miscellaneous dues. • View/Print Fee receipts for the Paid amount. • Payment of fee is accepted through cash receipt/ bank challan etc. The university also provides on-line payment gateway from the session

	2013-14. Payment options through credit card/net banking and NEFT/RTGS are also available.
Student Admission and Support	<p>a. Admission Module: • Online Application form is available. • Merit list preparation from all applicant data</p> <p>b. Student Module: • Admitted student data is well maintained/viewed with respect to Academic year, Department, batches, student status, Roll number etc fields. • Batch/Institute transfer, Withdrawal and editing etc activities can be performed in student profile. • Generation of student Permanent ID cards.</p> <p>c. Student Course registration Module and course approval: • Student needs to register to the courses offered to them under various academic baskets. • According to the course pre-requisites and Payment of fees, Courses are approved by the department.</p>
Examination	MRIU has in-house developed result processing software.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2016	Dr. Devendra Vashist	International Conference on Manufacturing Excellence (17th March 2016)	NA	4500
2015	Mr. Sunny Bhatia	Short Term course on MATLAB (24th Dec-28th Dec 2015)	NA	2850
2016	Mr. Sorabh	International Conference (Materials Processing Characterization) (12th March 2016)	NA	6000
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the	Title of the	From date	To Date	Number of	Number of
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	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2015	Workshop on Emotional Intelligence	NA	02/07/2015	04/07/2015	30	Nil
2015	FDP on IT Infrastructure and Landscape	NA	06/07/2015	09/07/2015	10	Nil
2015	NA	Staff Development Programme on Managing Data using Excel for Quality Assurance: Group 1	07/08/2015	07/08/2015	Nil	8
2015	NA	Staff Development Programme on Managing Data using Excel for Quality Assurance: Group 2	13/08/2015	13/08/2015	Nil	12

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Urban Environmental Challenges	1	13/07/2015	13/07/2015	1
FDP on IT Infrastructure and Landscape	10	06/07/2015	09/07/2015	4
Workshop on Emotional Intelligence	30	02/07/2015	04/07/2015	3

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
48	48	4	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>MRIU recognizes the contribution of the employees and students towards the development and progress of the Organization. MRIU offers/provides rewarding welfare schemes to all the employees to ensure and increase their work efficiency. MRIU tries to nurture student's mental, physical, cultural growth with various activities to improve their overall personality development and to make them civilized Indian citizens to compete in the globalized world. ? Fee waiver to faculty for 4 years in Ph.D programme at MRIU. ? Provision to provide Seed money for research projects is available. ? Financial assistance to participate and paper publications in Conferences / Workshops / Seminars/ Symposia etc both within India and abroad. ? Annual appraisal with well-stated and notified policy. ? Fee Concession to wards of faculty/staff in the MREI schools. ? Excellent civic amenities, healthcare, sports and subsidized transport facility to the various destinations to ensure the comfort of all the teaching and non-teaching members. ? Faculty and staff with a stay of minimum 10 years are honored every year on the occasion of</p>	<p>? Accidental insurance cover for faculty members, staff and students. ? Fee Concession to wards of faculty/staff. ? Excellent civic amenities, healthcare, sports and subsidized transport facility to the various destinations ? Faculty and staff with a stay of minimum 10 years are specially honored every year on the occasion of celebration of New-Year in the University. ? Financial assistance to participate in Conferences / Workshops / Seminars/ Symposia etc. Healthcare Facilities: A wide range of health and welfare services are available at MREI campus. The University has a well-equipped dispensary for first aid and minor medical services. The university has a qualified doctor and nursing staff on the campus to take care of the medical emergencies. The University also has two State-of-The-Art, well equipped ambulance to cater to any exigencies thus ensuring highest medical safety for the faculty and the students alike. Besides having the First- Aid room in the campus and a separate sick bay for boys and girls, there is a State-of-the-Art Out Patient Department of</p>	<p>? Dispensary with basic and emergency day care facilities with qualified Doctor and Nurse. Ambulance for Emergency. ? Tie-up with Metro Heart Institute, Asian Hospital Sarvodya Hospital, Faridabad for Health Services to students and staff. ? Accidental insurance cover for faculty, staff and students. For hostlers, a comprehensive insurance cover is available. ? Financial Assistance for development of Projects, Participation in Projects / Technical Fest/Co-curricular, Extra Curricular and Sports Competitions at National / International level. ? Tuition fee waiver for Meritorious Students at the time of Admission. ? Suitable scholarship to high achievers and on others compassionate grounds, on case-to-case basis. ? Payment of fee is accepted through cash receipt/ bank challan etc. The university also provides on-line payment gateway from the session 2013-14. Payment options through credit card/net banking and NEFT/RTGS are also available. ? Department of Students Welfare The Department of Students Welfare (DSW) looks after the protection of rights and supervises the welfare activities of the students of the</p>

celebration of New-Year in the University. ? All women members of staff are given paid maternity leave for a period of two months extendable upto six months. ? Four weeks summer/winter vacations are given for faculty members. ? Faculty members are also given sabbatical to pursue their higher studies ? Food courts and canteen facilities are available for food and refreshment. ? Campus has 24 hr ATM facilities. During banking hours, PNB is available for the benefit of faculty. ? Accidental insurance cover for faculty, staff and students. ? Advance against salary. ? For the benefit of teaching and non teaching faculty members, FDPs and Skill Development courses are conducted regularly.

Healthcare Facilities: A wide range of health and welfare services are available at MREI campus. The University has a well-equipped dispensary for first aid and minor medical services. The university has a qualified doctor and nursing staff on the campus to take care of the medical emergencies. The University also has two State-of-The-Art, well equipped ambulance to cater to any exigencies thus ensuring highest medical safety for the faculty and the students alike. Besides having the First- Aid room in the campus and a separate sick bay for boys and girls, there is a State-of-the-Art Out Patient Department of Physiotherapy. The

Physiotherapy. The University's medical consultant is available for consultation between the specified hours on all working days.

university. DSW promotes and co-ordinates the different students' activities for better corporate life. ? Anti-ragging Cell The University has constituted the Anti-Ragging Committees and Anti-Ragging Squads/ Discipline Floor Management Squads for overseeing the strict and meticulous implementation of the directives of regulatory bodies. A high-powered anti-ragging committee under the chairmanship of Vice-chancellor of the University, quick reaction anti-ragging committee has been put in place to ensure that the institution Campus is 100 ragging- free. ? Career Resource Centre The main endeavour of CRC is to get students placed in reputed multinational companies, government organizations, and private sectors. CRC assures logistics support to the visiting companies at every stage of the placement process by making university infrastructure available to them. The CRC is acting as an interface between the industry, institute and the students. ? Soft Skills Programme by Career Development Centre This Program includes training in Spoken English, ways and means to appear for an interview and total personality development basically good and effective communication skills. Trainers also offer foreign language courses, French, Spanish, German languages. ? Student-related Seminar/C

University's medical consultant is available for consultation between the specified hours on all working days.

onferences/Workshops/Camps etc. MRIU conducts various seminars, conferences, workshops and camps to enable the students to become successful professionals. ? Sports Academy MRIU has adequate sports facilities to enhance spirit of sportsmanship. World class sports facilities for outdoor and indoor games (which include basketball, volley ball, cricket, shooting, table tennis, squash, billiards, soccer, chess, carom to name a few) offers infrastructure which caters for budding sports learners.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal Financial Audit: Internal audit of the Institution is being undertaken by M/s Kumar Vijay Gupta Co., Chartered Accountants, Faridabad. Their teams of professionals visit the campus and head office and vouch the files and bills along with proper support documents, verify the documents w.r.t. the rules and regulations laid down. They check the accounts of all kind of expenses and income including the fee by following the principles procedures. Apart from these accounts, they verify the ledger accounts of students as well and in case of any clarification/ query, they discuss with the staff/officers. They finalize the Report on half-yearly intervals, with all the outstanding observations and submit the same with the Management for corrective actions. These observations were discussed in closing meeting with representatives from management and auditors. **External Financial Audit:** The external audit is being undertaken by our Statutory Auditors viz. M/s Parveen S. Bansal Co., Chartered Accountants, Faridabad. The professionals from audit team scrutinize the ledgers of all expenses and income heads of accounts as well as of various parties including students/suppliers/other parties. They ensure the maintenance of all records pertaining to assets of the Institution as well as booking of all the liabilities in the books of accounts. They check the relevant documents relating to loans and facilities, taken from banks/ financial companies. They ensure the maintenance of books to the requirements of the statute and also verify the payment of all statutory taxes/dues and filing of returns, in time. They certify the Balance-sheet and Income Expenditure account of the Institution.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Varahi Limited, Industrial Area Kirti Nagar, Delhi	50000	Promotion of Education

[View File](#)

6.4.3 – Total corpus fund generated

250000

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External expert is a member of the Audit team	Yes	IQAC, MRIU
Administrative	No	NA	Yes	IQAC, MRIU

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

NA

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

1. Regular parent-teacher meetings are conducted as well as regular contact is maintained through e-mails and phones. 2. Regular feedback of wards in respect of their academic and professional progression, attendance and results is provided. 3. Eliciting suggestions/observations from parents for continuous quality improvement. 4. A parent is also represented at IQAC in its various meetings.

6.5.4 – Development programmes for support staff (at least three)

Development/orientation programmes are conducted regularly for existing and new joiners in the category of support staff. 1. Regular instructional classes for professional improvements by internal and external resources are conducted to make them aware of the new quality standards in administration and student support services. 2. Regular hands-on instruction classes for communication (both written and spoken) rules, proceduring societal issues, safety and team working are conducted. 3. Instructional support to lead a healthy life style by conducting recreational events, yoga classes, sport participation etc. is ensured. Below are some development programmes conducted during this Academic Year: 1. Managing Data using Excel (Aug 7th and 13th 2015) 2. Effective Negotiation Skills (Oct 3rd 2015) 3. Workshop on Six Sigma in Quality assurance (19th Dec 2015) 4. Awareness session on Implementation of AAA for Quality Assurance (7th May 2016)

6.5.5 – Post Accreditation initiative(s) (mention at least three)

1. The system of collating Structured stakeholder Feedback mechanism has been institutionalized under IQAC as a quality measure. Feedback from various stakeholders collected in the form of Student Course Feedback, Annual 360o Student Feedback, Alumni Feedback, Employer Feedback, Parents Feedback, Faculty feedback, the reports were analyzed and appropriate action were taken where ever required.. The academic programmes have been designed/modified by taking suggestions from the faculty members, alumni, industry and other stake holders. 2. Regular quarterly meeting of Internal Quality Assurance Cell (IQAC) held during the year. 3. Guidelines for Academic and administrative audit of all departments of MRIU has been set and shared with all concerned for further actions. 4. Interdisciplinary value-added courses are being run by each

department to enhance the knowledge of the students in different fields. The university has introduced value added courses from this academic year particularly for advanced learners. The aim is to enrich the knowledge of students so that they can be better prepared to meet industry demands as well as develop their own aptitudes. 5. Following Policies along with their SoPs/ manuals were institutionalized: ? Teaching, Learning and Evaluation ? Curriculum Design, Development and Review ? Conduct of Value-Added Courses ? Feedback system ? Student mentoring system ? Library usage ? IT usage and maintenance ? Infrastructure usage and maintenance ? Conduct Rules for Students, Faculty members and Staff 6.Choice-based credit system has been set up in all the departments.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2015	FDP on Structural Equation Modeling	04/09/2015	04/09/2015	04/09/2015	25
2015	Staff Development Programme on Effective Negotiation Skills	03/10/2015	03/10/2015	03/10/2015	33
2015	FDP on Predictive Modeling Using Regression Analysis	03/10/2015	03/10/2015	03/10/2015	37
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Awareness Talk on 'You and Gender Identity'	14/07/2015	14/07/2015	19	23
Awareness Talk on Gender	16/07/2015	16/07/2015	20	32

Stereotyping in Bollywood				
Awareness Talk on Questioning Gender roles at home and work	21/07/2015	21/07/2015	42	58
Awareness Talk on Gender inequality and remedies	24/07/2015	24/07/2015	27	31
Awareness Talk on Gender Sensitization for Gender Diversity	28/07/2015	28/07/2016	25	51
Today's Leader- Women Empowerment Cultural Program	05/10/2015	06/10/2015	95	50
Guest Session on Women Empowerment - Issues and Solutions	12/02/2016	12/02/2016	46	64
Panel Discussion on Feminine Power -"Behind every successful person is the support of a Woman"	16/02/2016	16/02/2016	36	32
Poster Making Competition on Breaking Gender Moulds	17/02/2016	17/02/2016	24	16
Guest Lecture Series- Being an Empowered Woman and Empowering others	26/02/2016	26/02/2016	106	194
Guest Lecture Series - Legal rights of Women	03/03/2016	03/03/2016	26	34
Workshop on Adolescent Health Reproductive Rights of different Genders	04/03/2016	04/03/2016	27	33

Guest Lecture Series - Breaking the Silence: Talking about different Genders	04/05/2016	04/05/2016	20	6
Guest lecture Series on Empowering her - Empowering All	08/03/2015	08/03/2016	170	230
Theatre Play - Swayamsiddha -Celebrating being a Woman	08/03/2016	08/03/2016	236	164

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<p>Percentage of power requirement of the University met by the renewable energy sources: NIL Water Conservation ? Rain water harvesting- already exist ? Sewage Treatment Plant -Already exists. Energy Conservation ? Usage of Renewable Energy from Solar devices-Solar street lights, Solar water heaters are in use. ? Energy efficient lighting- Few LEDs were installed in the University campus in replacement to CFLs and tubelights. ? Replacement of Servo Stabilizers with OLTC transformers to reduce power losses. Waste Management ? MoUs for Waste Management- MRIU has MoUs with various agencies registered and certified for waste management by CPCB and/or HSPCB. ? MRIU already has MoU with BRP Infotech Pvt. Ltd, Delhi, ? Agreement for E-waste management already exists with Golden Eagle waste management company, Faridabad ? University also has agreement for biomedical and hazardous waste management with Mahavira Udyog, Rohtak. ? Colour coded garbage bins placed at various locations in the campus for waste segregation. ? Liquid waste management- Sewage Treatment Plant already exists. Plantation- ? Gardens, lawns and green cover already exist and are maintained in the campus. ? During the orientation programme of the students for newly admitted students, one tree is planted by each student in and around the University campus following UGC campaign of One Student, One Tree. ? Mega tree Plantation Drive organized on 25th July 2015 in Faridabad District with participation of Govt. of Haryana with CM Haryana and MLAs in prime role. ? Green policy- Already exists</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4000
Provision for lift	Yes	4000
Ramp/Rails	Yes	4000
Rest Rooms	Yes	12
Scribes for examination	Yes	1
Any other similar facility	Yes	90

7.1.4 – Inclusion and Situatedness

Year	Number of	Number of	Date	Duration	Name of	Issues	Number of
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	initiatives to address locational advantages and disadvantages	initiatives taken to engage with and contribute to local community			initiative	addressed	participating students and staff
2015	8	8	04/09/2015	310	Physiotherapy Health Camps	To provide physiotherapy healthcare to underprivileged section of society and to those where these facilities are not available.	80
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Teachers	03/10/2016	A committee to prepare the draft of handbook on Ethical Policy and Code of Conduct was constituted on March 18, 2016 by IQAC. The draft submitted by the committee was recommended by IQAC on May 31, 2016 for final approval of BoM. The approved handbook on Ethical Policy and Code of Conduct by BoM on 28th September 2016 was notified by the office of Registrar 3rd October 2016. The Monitoring Committee to monitor its effective implementation was constituted on 2nd September 2016 under the Chairmanship of Vice Chancellor. ? Annual Awareness Programme on Code of Conduct and Quality for faculty and staff members on 01.08.2015.

Code of Conduct for Non-Teaching Staff	03/10/2016	A committee to prepare the draft of handbook on Ethical Policy and Code of Conduct was constituted on March 18, 2016 by IQAC. The draft submitted by the committee was recommended by IQAC on May 31, 2016 for final approval of BoM. The approved handbook on Ethical Policy and Code of Conduct by BoM on 28th September 2016 was notified by the office of Registrar 3rd October 2016. The Monitoring Committee to monitor its effective implementation was constituted on 2nd September 2016 under the Chairmanship of Vice Chancellor. ? Annual Awareness Programme on Code of Conduct and Quality for faculty and staff members on 01.08.2015.
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7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Navodaya- Talent Hunt for Drivers and Helpers	01/07/2015	01/07/2015	20
Three Day Campaign on One Student One Tree: Environmental Responsibility	06/07/2015	08/07/2015	54
Annual Awareness Programme on Code of Conduct and Quality for faculty and staff members	01/08/2015	01/08/2015	210
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

<p>The major initiatives taken by MRIU to make the campus eco-friendly are- 1. Rain water harvesting units are there in MRIU campus to recycle the run-off water for ground water recharge and appropriate use. 2. Some CFL and tubelights are replaced with LEDs within the MRIU campus buildings. 3. Proper management of effluent waste water, biomedical waste, hazardous waste and E-waste. 4. The course 'Environmental Studies' is essentially taught to the undergraduate students of all branches, to create awareness and sensitivity towards environmental issues and inculcate the culture of creating eco-friendly world.</p>
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5. The campus has the STP Plant which processes 200 KL of water per day and the recycled treated water is utilized in the campus for watering of plants, lawns and flushing in toilets. Thus MRIU is a 'Zero Discharge' campus in terms of water. 6. Conferences, seminars and awareness programmes are conducted from time to time in campus. Students, faculty, academic and industry associates from outside are also involved in such green programmes. These programmes create and maintain the Environment consciousness at all the levels. Total green area in MRIU campus 32104 Sqm Grass - 17,200sqm., Tree cover - 2770sqm , shrubs herbs -4215sqm ,potted plants- 4100 sqm. It includes about 50 different species of Medicinal Plants Irrigation of lawns are carried out in the morning evening in summers to save water loss due to evaporation and that too using treated water.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. i) Title: Impetus to Research and Entrepreneurship ii) Objective: • To start ushering research culture in the University along with teaching. A change of conventional thinking of teaching as the sole function of a university has to be brought about wherein research, innovation and extension are equally important functions. • To facilitate students to harness their raw research potential • To mentor students in their formative stage of careers to engage in research publications by going through the rigours of literature survey, fabrication of experimental set-up, use of Application softwares, use of computational techniques, follow-up analysis and then publishing in the accredited peer-reviewed national and international journals. They are even mentored to carry their research work to the next level of patent filing • A change of mindset from just being a job seeker to an entrepreneur and a job provider. • To help build an ecosystem in the University to encourage research leading to a change in mindset towards innovation. • To spur students to express their innate research ideas and channelize them into potential products. • Venturing into start-ups at an early age is the solution to job creation and hence economic growth of the country ii) The Context: • Motivating students to travel beyond the classrooms and encouraging them on to research / publications / entrepreneurship calls for an inquisitive bent of mind. • Students have to learn and become clued up on various futuristic technologies and Application softwares. • Further, they have to develop quantitative and analytical techniques way beyond the classroom teaching. iii) The Practice: • Students are motivated and incentivized to engage in Research, paper publications, patents, project work, App development, competing in National and International level and entrepreneurship right from the first year of their programmes. Close mentorship and guidance are provided to the students by in-house faculty as well as outside experts along with all high-end technological support. • Incubation and Innovation Centre of the university provides a 24x7 Atelier for the students to realize their serendipity, creative ideation, disruptive streaks to end up in creation of commercial viable products. This is an all-out effort to enable to transcend way beyond class-room learning- a crying need for our education system. • The University has a ManavRachna Entrepreneurship Development Cell (MREDC) which engages itself in the entrepreneurship education, training and development programmes. It seeks to undertake motivational and awareness programmes to spread a culture of entrepreneurship amongst the students so that they become ready to apply their knowledge and training to set up their own ventures. • Collaboration with leading industry houses like R Systems, IBM, Mitsubishi, Edgate Technologies, SAP, IOCL, JBM and others comes in very handy to enable students to adopt a high technological path embedded with contemporary tools like AI, IOT, ML, IA, Additive Manufacturing, Advanced Automation. Great emphasis is also placed on students to compete in leading technical competitions within India and Abroad

to show case their precocious talent. • Similarly the University ManavRachna Innovation and Incubation Centre (MRIIC) which helps the students to develop practical business models and provides technology and innovation support. iv) Evidence of Success: • Faculty and students have become cognizant of the vital importance of research, innovation and extension as integral components of a university system besides teaching. A marked improvement in the number of publications can now be expected in the coming years. • Following are the deliverables of our assiduous efforts at promoting research and innovation: ? Research Publications-358 ? Book Chapters-220 ? Patents-1 filed, 1 granted Following awards have been received: ? "Human Eye Motion Detection System" awarded by Faridabad Industrial Association (FIA) on 21st Feb. 2016. ? "Media Player Based on emotion Recognition" awarded by Faridabad Industrial Association (FIA) on 21st Feb. 2016. v) Problems Encountered and Resources Required: • Availability of time for students and faculty for research activities along with a rigorous teaching schedule. • Devotion of huge efforts on part of students and faculty to learn Application softwares, quantitative and analytical techniques. • Time management beyond teaching schedule • Professional and commercial acumen have to be imbibed in students to transform ideas towards commercially viable end products. 2. i) Title: Curriculum Design ii) Objective: • To set in a system to update the curriculum to incorporate new technology and new pedagogical practices in the curriculum and benchmarking with the Institutes of Eminence to keep student in sync with latest developments. • Curriculum design for every discipline should promote an attraction towards science and technology learning. • Curriculum design should be able to showcase to the students the latest trends and practices in real life business and industry. • Curriculum design must also include components to promote holistic development of students based on cross-cutting traits and extra-curricular activities. The objective of curriculum is to foster global competencies besides inculcating a spirit amongst the students to contribute to national development. • Curriculum design is always an evolving process with very fast obsolescence. For an ever updated curriculum design, feedback from all stakeholders like industry experts, prospective employers, alumni and outside academics is a very vital input to be subsumed into a curriculum design. iii) The Context: • In the contemporary scenario, the contextual issues of higher education call upon a technology-intensive curriculum in the Indian perspective incorporating best practices of leading global universities • A curriculum design must subsume employability, acquiring hands-on skills but also spur students towards entrepreneurship besides acquiring life-skills and ethical values. iv) The Practice: • Highly industry-aligned, employability-inducing and entrepreneurship-promoting curriculum is the bedrock to lead to a well-rounded education system reinforced by communication skills, general awareness and personality development. Periodic revision of curriculum after detailed feedback from stakeholders lends to continued relevance of the curriculum. The study-schemes, beside academics, trigger creative urges, disruptive thinking and hands-on learning for the student way beyond the classroom domain. CBCS and offering open electives are essential ingredients to encourage cross-domain movement for students. • Close monitoring, intimate mentoring of students by faculty, real-time interaction with the parents ensure a smooth progression for students and a readily available counseling to address to their emerging problems. • Curriculum has trigger points which promote student centric learning also. Cognizance has been taken of the latest trends of outcome based education. As a part of that POs, PSOs and COs have been constructed, their correlations assessed and formulations to estimate their attainments have been disseminated and practiced. Workshops were conducted by the senior faculty to understand the concepts of OBE in all its ramifications including features of the Washington Accord. • The entire curriculum of all the programmes have been broadly classified into three sets of courses: Fundamental Courses, Core Courses and Elective Courses- Generic Electives, Domain Electives

and Open Elective Courses v) Evidence of Success: • Faculty members have duly understood the importance of an updated curriculum and the coveted objective of keeping them abreast of latest developments. A change of mindset has occurred which admits breaking off from the shackles of conventional thinking of a conservative approach of curriculum aspects. • Professional accretions, general awareness, communication skills, placements of a large cross-section of students have shown a marked improvement. vi) Problems Encountered and Resources Required: • Convincing the stakeholders about the cutting-edge utility of open electives and value-add courses and advantages of Choice-Based Credit System (CBCS). • Paucity of faculty with high level of expertise in modern technologies • Logistic limitations in offering CBCS and open electives

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://manavrachna.edu.in/wp-content/uploads/2021/03/Best-Practices.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Every HEI must carve out a distinct image and have its own unique core features. Ever since its inception, MRIU has placed utmost premium on research, innovation and incubation culminating in entrepreneurship. Entrepreneurship holds the key for our nation to become self-sufficient, reduce imports, enhance exports and thus increase our GDP. Besides, we can beat the oft-repeated lament from our planners and society that India's higher education system is an assembly production house of unemployable graduates who are forced to take up menial jobs to eke out a living and thus become a societal liability rather than becoming an asset. So MRIU has a marked distinctiveness of having innovation, incubation and entrepreneurship as its trademark. ManavRachna Innovation and Incubation Centre (MRIIC) provide a playfield for students to realize their entrepreneurship potential by transforming their innate raw ideas into viable commercial products. MRIIC is fully equipped with design fabrication and manufacturing facility which are viable to the users on a 24 X 7 basis. Under MRIIC, the following labs have been set up: Electronics Domain Computer Engineering, Mechanical/Automobile domain and Biotechnology. Collaboration with leading industry houses like R Systems, IBM, Intel, Mitsubishi, Edgate Technologies, SAP, IOCL, JBM and others comes in very handy to enable students to adopt a high technological path embedded with contemporary tools like Embedded System Design, VLSI Design, Lab View, AI, IOT, ML, Addictive Manufacturing, Advanced Automation. MRIIC facilitates students to discuss their ideas and handholds them with ideation, developing business concepts and eventually a plan. It further provides skills and competencies through capacity building/ training programs towards building effective enterprises. Our current brigade of students are being thoroughly inspired, motivated and groomed by seniors who have already carved out a niche for themselves. The Centers and Institutes at our campus are trend setters in terms of ideas that are not hypothetical but also realizable across the board. Hyfn Games Pvt. Ltd. and Techno planet Labs Pvt. Ltd. are two startups undertaken by the students under MRIIC. This performance has been a great trend-setter and augurs well for other students to emulate. It is through the synergy of theoretical knowledge disseminated in the classroom, lab classes, projects, industrial attachments, expert lectures and our Innovation Centre that our students are exposed to the most fascinating arena of entrepreneurship. MRIIC has been facilitating participation in international and national level project competitions including Microsoft Imagine Cup, Accenture Innovation Jockey, BAJA SAE, Intel Embedded Challenge and have brought laurels to the university. We envisage a large number of start-ups to be undertaken by our students not only

in the later stages of their careers but also before they finish off their tenure with us in the university. It is through this approach that India can become a hub of industrial production and our economy shall surge ahead.

Provide the weblink of the institution

<https://manavrachna.edu.in/international-institute-of-research-and-studies/>

8.Future Plans of Actions for Next Academic Year

MRIU established as a Deemed to be University in the year 2008 and has come a long way since then. Fully aware of the fact that there is a huge premium placed on an HEI to continually strive to improve its teaching-learning and evaluation processes, physical infrastructure and learning resources, teacher and student quality, student support and progression, administration and management and the institutional value. In the kind of a large and diverse HE system which obtains in India, it's absolutely imperative that an HEI absorbs quality assurance as its integral component and immerses in an ubiquitous quality culture. In order to acquire a quality culture, NAAC accreditation is the trigger point. Not only NAAC accreditation makes an HEI quality conscious, it goes a long way in helping an HEI to introspect, reorganize its processes, analyse its quality indicators and bring about mid-course corrections it also ushers in transparency and enhances the brand equity of the institution. MRIU has under NAAC accreditation and secured A Grade during the AY 2015-16. i) NAAC accreditation has brought in its wake paramount significance for IQAC. The IQAC shall be restructured as per NAAC guidelines and it shall be the premier most vehicle to fortify the existing quality culture in the University. IQAC shall be adequately strengthened and empowered to bring about sharp inflection point in the quality trajectory of MRIU. ii) Recommendations of the NAAC peer team have been examined, introspected over an all necessary steps shall be taken to comply with those recommendations. That shall be a tall order since improvements shall have to be brought about in the seven NAAC criteria. All key indicators which appertain to the seven criteria of NAAC have been examined, analyzed, their shortcomings identified, redesigned wherever necessary and strengthened. iii) A series of workshops shall be held to apprise all the faculty members and staff of our performance during NAAC accreditation and a thorough familiarization shall be affective. Every stakeholder of the University shall be encouraged to bring about improvement in all of the above processes and procedures. It shall be utilized to give a new dimension and refurbish our processes and procedures in respect of curricular aspects, academic flexibility, student and teacher quality, teaching-learning process and use of digital educational techniques, examination reforms, strengthening physical infrastructure with an eye of environmental sustainability, waste management, student internship and placement in public and private sectors, strengthening alumni network, use of common utilities and overall administration and management. Although, it's a tall order, but we intend to bring about a seminal improvement in the future years. iv) An intense drive shall be brought about to motivate, encourage and incentivize faculty members to bring about a larger number of research publications, organize and participate in conferences, try to bag consultancy project from the government agency as well as the industry. A special effort shall be expended to increase h- index of the University and also to widen the list of faculty members enjoying a certain h-index on their own.