



## Yearly Status Report - 2016-2017

### 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 Aravalli Hills Delhi Surajkund Road, Faridabad
City/Town	Faridabad
State/UT	Haryana
Pincode	121004

<b>2. Institutional Status</b>																			
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																	
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)		<a href="https://manavrachna.edu.in/international-institute-of-research-and-studies/aqar/">https://manavrachna.edu.in/international-institute-of-research-and-studies/aqar/</a>																	
<b>4. Whether Academic Calendar prepared during the year</b>		Yes																	
if yes,whether it is uploaded in the institutional website: Weblink :		<a href="https://manavrachna.edu.in/wp-content/uploads/2020/03/Academic-Calendar-AY-2016-17.pdf">https://manavrachna.edu.in/wp-content/uploads/2020/03/Academic-Calendar-AY-2016-17.pdf</a>																	
<b>5. Accreditation Details</b>																			
<table border="1"> <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> <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> </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														
<b>6. Date of Establishment of IQAC</b>			31-Jul-2009																
<b>7. Internal Quality Assurance System</b>																			
<div> Quality initiatives by IQAC during the year for promoting quality culture </div>																			

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Annual Awareness Programme on Code of Conduct and Quality for faculty and Staff members	06-Aug-2016 1	231
FDP on Understanding NBA's Perspective for Assuring Quality in Teaching Learning	22-Aug-2016 5	71
FDP on Enhancing Quality of University Research	16-Sep-2016 2	47
<a href="#">View File</a>		

**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)**

- Initiation of the process of NBA Accreditation: The process for NBA accreditation of four B.Tech Programmes (Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Biotechnology) and Management Studies was initiated. Prequalifier for all programmes already got approved and SAR shall be submitted during the coming academic year. •
- Publication of Quality Assurance Manual: Quality Assurance Manual serves as a guide for all Academic and Administrative activities of the university. IQAC prepared Quality Assurance Manual 2017 which includes quality processes and

standards to be followed by all the academic and administrative units of the university. The manual has been approved by the Board of Management of the University. • Institutionalization of the various Quality Improvement Strategies/Policies in various departments of the University: IQAC has strategized the following Policies and Procedures during the year: • Policy and Schemes for Student Welfare • Policy and Procedures for Student Admissions • Policy and Procedures for implementation of eGovernance across the University. • Governance Standards for MRIU • Guidelines and Parameters to conduct Annual Academic Audit • Quality Policy • Setting up NewGen Innovation and Entrepreneurship Development Centre (IEDC) under the aegis of National Science and Technology Entrepreneurship Development Board (NSTEDB) by Department of Science and Technology (DST), Govt. of India, New Delhi: Proposal for funding for setting up NewGen Innovation and Entrepreneurship Development Centre (NewGen IEDC) under the aegis of National Science and Technology Entrepreneurship Development Board (NSTEDB) by Department of Science and Technology (DST), Govt. of India, New Delhi was submitted successfully on Jan 16, 2017. • Strategization of the Process for Attainment computation of Course Outcomes (COs) of all courses and Program Outcomes (POs)/Program Specific Outcomes (PSOs) of all Programmes: Strategy for computation of Course Outcomes and Program Outcomes/Program Specific Outcomes attainment has been finalized and each department was directed required to analyze the course attainment levels and initiate specific actions to cover the gaps. • Conduct of Stakeholders Feedback: Feedback from various stakeholders was collected for AY 201516 in the form of Student Course Feedback, Annual 360° Student Feedback, Alumni Feedback, Employer Feedback, Parents Feedback and Faculty Feedback. The reports got analyzed and appropriate actions were taken accordingly. • Conduct of Academic Audit: As per the system of Academic Audit introduced, the Academic Audit of each department was conducted where external auditors were invited from various reputed academic institutions and suggestions were implemented by the departments concerned. Academic Audit for AY201516 was conducted during August 2016.

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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
Initiation of the process of NBA Accreditation	The process for NBA accreditation of four B.Tech Programmes (Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Biotechnology) and Management Studies was initiated. Prequalifier for all programmes already got approved and SAR shall be submitted during the coming academic year.
Setting up NewGen Innovation and Entrepreneurship Development Centre (IEDC) under the aegis of National Science and Technology Entrepreneurship Development Board (NSTEDB) by Department of Science and Technology (DST), Govt. of India, New Delhi	Proposal for funding for setting up NewGen Innovation and Entrepreneurship Development Centre (NewGen IEDC) under the aegis of National Science and Technology Entrepreneurship Development Board (NSTEDB) by Department of Science and Technology (DST), Govt. of India, New Delhi was submitted successfully on Jan 16, 2017.

Student Orientation Programme	Student Orientation Programme was conducted for all newly admitted students from 13th July to 15th July 2016. For FMS students, it was conducted from 25th July to 29th July 2016.				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Name of Statutory Body</td> <td style="width: 50%;">Meeting Date</td> </tr> <tr> <td>Board of Management</td> <td>18-Sep-2017</td> </tr> </table>		Name of Statutory Body	Meeting Date	Board of Management	18-Sep-2017
Name of Statutory Body	Meeting Date				
Board of Management	18-Sep-2017				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
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</p>				

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 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. A blended 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 workflow across university. In addition to this, MRIU has developed its inhouse Result Processing Software which has been implemented across the University.

Further, now MRIU has subscribed to a comprehensive Cloud based EMS (Education Management System) from M/s CNV Labs and Technologies, Pune which

provides integrated solution to enhance and digitize the processes including Admission, Fee, Student's academic life cycle, Transport, Hostel, Feedback, Grievance, Recruitment HR processes and other administrative operations in the university through its web mobile based applications. The introductory training sessions to understand the platform are being conducted under the guidance of GMIT, MRIU for the Teaching and nonteaching departments for respective modules.

## 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	30/07/2016
BTech	BAUE-002	Automobile Engineering	30/07/2016
BTech	BBIT-003	Biotechnology Engineering	30/07/2016

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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	26/12/2016	Bioinformatics Computer Applications BT-406	26/12/2016
BTech	Biotechnology Engineering BBIT-003	26/12/2016	Basics of Chemical Engineering Lab BT-414B	26/12/2016
BTech	Biotechnology Engineering BBIT-003	26/12/2016	Bioinformatics and Computer Applications Lab BT-415	26/12/2016

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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
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MCom	Commerce	13/07/2016
MA	English	13/07/2016
BA	Economics	13/07/2016
Mtech	Civil Engineering with specialization in Transportation Engineering	11/07/2016
BTech	Computer Science and Engineering with Specialization in Graphics and Gaming	11/07/2016
<a href="#">View File</a>		

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	Computer Science Engineering with Specialization in Graphics and Gaming	10/07/2016
Mtech	Civil Engineering with specialization in Transportation Engineering	10/07/2016
BA	Economics	11/07/2016
Mtech	Electronics and Communication Engineering	10/07/2016
MA	English	11/07/2016
MCom	Commerce	11/07/2016

### 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	08/07/2016	20
Application of Composite Materials in Automobiles	16/01/2017	20
Automotive safety system	08/07/2016	31
<a href="#">View File</a>		

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	32
BTech	Aeronautical Engineering	21



BTech	Civil Engineering	214
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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>Curriculum is an essential and most important foundation of an academic institute or university. 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 on curricula. Feedback of all the stakeholders on curricula provides a roadmap about revision of different courses and introduction of new course in any program and the outcome of the program undertaken by the students. Feedback processes is systematic, rigorous and respectful of the rights of students, faculty members, alumni, parents and employers and incorporate strategies to maximum participation from all stakeholders. 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. After receiving feedback from all stakeholders in prescribed forms (As approved by IQAC) including Student Satisfaction Survey about curriculum, pedagogy delivery, generic facilities like hostel, computer and internet, health care, library, internship and placements and extra-curricular activities from the current students and other stakeholders like parents, alumni, industry experts, faculty members an in-depth analysis of all issues is carried out exhaustively with an aim to factor in the emerging observations. Student Satisfaction Survey responses elicited from students is granularized into 10 items pertaining to curriculum and 10 items on common utilities like library, lab facilities, hostel, health care, sports and others. Similarly feedback responses are obtained from other stakeholders like in-house faculty, parents, employers and alumni. The observations / criticism / endorsement / appreciation are thoroughly dissected by the committee and corrective measures initiated. In subsequent meetings, Action Taken Reports are closely monitored to ensure speedy mid-course correction. Besides the above feedback from stake holders, a feedback by students on delivery of the courses is also taken twice in every semester and the mid-course corrections as deemed optimal are incorporated. The reports compiled by the respective Heads of the Departments on suggestion and recommendations given by the stake holders with regards to start of new courses including value added courses, revision in course and other curricular aspects are sent to a committee on "Feedback on Curricula" for its further recommendations with course of action to be taken up by the respective department in its BoS and for final approval by Academic Council. In order 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. 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</p>

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	76	4
BTech	Automobile Engineering	30	87	17
BTech	Biotechnology	60	373	63
<a href="#">View File</a>				

### 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
2016	5467	549	298	17	95

### 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
410	410	19	137	5	15
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

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 every week and their Academic progress and participation in other activities are discussed and noted in the register. • 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 register 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 tying up with companies like Aspiring Minds, Co-Cubes, E-Litmus etc. These companies conduct Employability Assessments that are recognized by a wide range of corporate. This has helped students get placed with companies that do not come to campus otherwise. 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
6016	410	1:15

## 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
402	410	Nil	42	122

### 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
2016	M.K Soni	Professor	Felicitated by Corporate body ISHRAE (Indian Society of Heating, Refrigerating and Air Conditioning Engineers) (1st April 2017)
2016	S.S. Tyagi	Professor	Invited Speaker to deliver expert talk on Cloud Computing in AKTU sponsored 1-week FDP on High Performance Computing at ABES Engg College, Gaziabad. (Delivered on 10th Feb 2017)
2016	Surbhi Kapur	Professor	Best Paper Award for the paper

titled Online Shopping: Motivators and Triggers to Compulsive E-Tailing Internationalat Conference on Media and Communication in Sustainable Development (MCSD 2016) held at Army Institute of Management and Technolo

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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 / 2016	26/12/2016	06/01/2017
BTech	BAUE-002	1, 3, 5, 7 / 2016	26/12/2016	06/01/2017
BTech	BAEE-001	1, 3, 5, 7 / 2016	26/12/2016	06/01/2017

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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
9	5855	0.15

## 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	21	16	76.19

BAUE-002	BTech	Automobile Engineering	32	22	68.75
BBIT- 003	BTech	Biotechnol ogy	27	24	88.89
<a href="#">View File</a>					

## 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 -2016-17.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	Devender Vashista	Setting up off HMSI Automotive Training Research Centre.	20/12/2016	HONDA Motorcycles Scooter India Pvt. Ltd.through Indraprastha Traders
National	Umesh Dutta	Setting of Lab Facility on Power Electronics for Teaching , Project and Research	18/10/2016	Texas Instruments, Bangalore
National	Charu Virmani	End to End Supply Chain Solution for small skill manufacturing unit	14/01/2017	VP Enterprises, Faridabad
<a href="#">View File</a>				

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
Research Associate- MRIIRC	365	MRIU, Faridabad
Research Associate- Management Studies	365	MRIU, Faridabad
SRF	365	CSIR
<a href="#">View File</a>		

### 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 agency	Total grant sanctioned	Amount received during the year
Major Projects	540	NCERT, New Delhi	3.07	1.5
Major Projects	1825	HONDA Motorcycles Scooter India Pvt. Ltd.through Indraprastha Traders	15.03	15.03
Minor Projects	180	VP Enterprises, Faridabad	1.5	1.5
<a href="#">View File</a>				

### 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
Expert Lecture on Optimal Low Thrust Relative Orbital Transfer	Aeronautical Engineering	22/03/2017
Two Wheeler Servicing (The Power of Dreams)	Automobile Engineering	03/04/2017
Alternative Fuels For Reduced Import Dependence and Environment Protection	Automobile Engineering	21/10/2016
<a href="#">View File</a>		

#### 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
SAE Guru Award	Dr. Devendra Vashist	Society of Automotive Engineering	20/10/2016	Teacher
Solar Driven Car	Chirag Malhotra, Garvit Dudeja, Rais Raja	Auto Tech Review -Vivek Tyagi	16/12/2016	Student
Project developed for cleaning the atmospheric air by filtration.	Dr B.S.Gill, Ms Prachie Sharma and Mr Amit Kumar Singh	AIU ANVESHAN 2017 held at Chennai.	10/04/2017	Teacher and Student
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#### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
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MRIIC	Mr. B.S Gill, Mr. Amit Kumar, Ms. Prachie Sharma	MRIIC	Parimukh Innovations	Air Filtering Device	04/04/2017
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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
Applied Psychology	1
Chemistry	1
Computer Science and Engineering	1
Electronics and Electrical Engineering	4
English	1
Management Studies	7
Nutrition and Dietetics	1
Physics	1

#### 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)
International	Applied Science	14	0.64
International	Biotechnology	31	4.07
National	Biotechnology	11	2.86

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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
Mechanical Engineering	1

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#### 3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Bio-Pesticide Formulation And A Process For The Preparation Thereof - Dr. Nidhi Didwania, Deepti Sadana	Filed	201711021416	19/06/2017
Sliding Seat For Sleeping Of Rickshaw Puller -Harpinder Singh, Akansh Yadav, Akarshit Taluja	Filed	201711004173	02/06/2017

Arrangement To Reduce Vehicle Damagen In An Accident -Manav Rachna International University	Filed	201711018936	30/05/2017
<a href="#">View File</a>			

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 mentioned in the publication	Number of citations excluding self citation
Educational data mining review: Teaching enhancement	Agrawal, R., Gupta, N.	Privacy and Security Policies in Big Data	2017	3	MRIU	3
Design and Analysis of triple band notched microstrip UWB antenna	Heena Choudhry, Tejbir Singh, Kunver Arif Ali, Ashish Vats, Pawan Kr. Singh, D. R. Phalswal and Vishant Gahlaut	Cogent Engineerig	2016	1	MRIU	1
Automatic speech recognition using optimal selection of features based on hybrid ABC-PSO	Mendiratta, S., Turk, N., Bansal, D.	Proceedings of the International Conference on Inventive Computation Technologies, ICICT 2016	2017	4	MRIU	4
<a href="#">View File</a>						

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
Finite element Analysis	Puran Singh, Debashis	Journal of Aerospace	2016	1	2	MRIU



of pilot helmet design using composite for military aircraft	Pramanik, Ran Vijay Singh	Technology and Management				
Design and Analysis of triple band notched microstrip UWB antenna	Heena Choudhry, Tejbir Singh, Kunver Arif Ali, Ashish Vats, Pawan Kr. Singh, D. R. Phalswal and Vishant Gahlaut	Cogent Engineering	2016	1	1	MRIU
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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	94	124	2	180
Presented papers	73	9	Nill	Nill
Resource persons	5	29	Nill	Nill
<a href="#">View File</a>				

### 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)
Dr. Anita Khosla-Electrical and Electronics Engineering	Electric Auto Vehicle System - Control System	JBM Cadmium Pvt. Ltd, 601, 6th Floor, Hemkumnd Chambers 89, Nehru Place, Delhi	70000
Ms. Ashish Grover -Electrical and Electronics Engineering	Electric Auto Vehicle System - Battery	JBM Cadmium Pvt. Ltd, 601, 6th Floor, Hemkumnd Chambers 89, Nehru Place, Delhi	130000
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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)	514800	118
Dr. Monika Goel, Commerce	Management Development Programme on GST and its implications	Rajesh K. Soota, Tax Consultant, Gurgoan	40000	13
<a href="#">View File</a>				

### 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
Workshop on Changing Perspectives on Gender	Women and Gender Sensitization Committee, MRIU	1	49
Workshop on Breaking the Barrier Gender-Gender Stereo types	Women and Gender Sensitization Committee, MRIU	2	56
Fundamental Duties to Understand Rules and Regulations on Road Safety: Awareness Program in association with District Legal Services Authority	NSS in association with District Legal Services	3	100
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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	133
Computer Skill Classes at Mohna	Letter of Recognition	Sarpanch of Mohna	30
<a href="#">View File</a>			

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	Name of the activity	Number of teachers	Number of students
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	cy/collaborating agency		participated in such activities	participated in such activities
Road Safety	NSS in association with District Legal Services	Fundamental Duties to Understand Rules and Regulations on Road Safety: Awareness Program in association with District Legal Services Authority	3	100
Gender Equity	Women and Gender Sensitization Committee, MRIU	Workshop on Breaking the Barrier Gender-Gender Stereo types	2	46
Gender Equity	Women and Gender Sensitization Committee, MRIU	Workshop on Changing Perspectives on Gender	1	37
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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
Setting of Question Paper for recruitment- Power Grid Corporation of India Limited	Dr Nandini Srivastava	Power Grid Corporation of India Limited	20
FDP on Understanding NBAs Perspective for Assuring Quality in Teaching Learning in collaboration with YMCA	71 participants	MRIU	5
FDP on 'Quality Benchmarks for Academic Excellence in collaboration with YMCA	37 participants	MRIU	2
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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	Duration From	Duration To	Participant

		with contact details			
Industrial internship	Internship	Dollar Advisory , New Palasia, Indore, Madhya Pradesh	01/06/2016	30/07/2016	Satyam Madan Student of Computer Science Engineering Student of Computer Science Engineering
Industrial internship	Internship	SS Innovation co.Ltd. , suit 1012,10th Floor,Building 5 , china	01/06/2016	30/07/2016	Sujit Roy Student of Computer Science Engineering Student of Computer Science Engineering
<a href="#">View File</a>					

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
Indian Oil Corporation Limited RD	01/07/2016	Linkage in the areas of education, research innovation in the areas of biotechnology, alternative energy, environment and automotive research.	22
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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
1803.5	1774.66

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Existing
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Existing
Campus Area	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 partially)	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	181	576392	181	576392
Others(s pecify)	Nill	Nill	24	91098	24	91098
Others(s pecify)	Nill	Nill	20	55024	20	55024
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### 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
0	NA	NA	Nill
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	1996	34	1996	1	5	45	23	155	0
Added	789	0	789	0	0	0	0	0	0
Total	2785	34	2785	1	5	45	23	155	0

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

155 MBPS/ GBPS
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#### 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	<a href="https://manavrachna.edu.in/international-institute-of-research-and-studies/media-studies-humanities/tv-studio/">https://manavrachna.edu.in/international-institute-of-research-and-studies/media-studies-humanities/tv-studio/</a>
Audio-Visual Center	<a href="https://manavrachna.edu.in/international-institute-of-research-and-studies/audio-visual-center/">https://manavrachna.edu.in/international-institute-of-research-and-studies/audio-visual-center/</a>

#### 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
202	145.54	683	692.79

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 308kwp 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.

Quick

<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 Others	859	27803834
Financial Support from Other Sources			
a) National	PMS Others	20	1028500
b) International	MERIT SCHOLARSHIP (EDCIL)	7	3658060
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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 implementation	Number of students enrolled	Agencies involved
Bridge Courses_Basics of Accounting	16/08/2016	100	Faculty of Management Studies
Language Lab_Communication Gym	09/01/2017	361	Career Development Center in association with Software Vision Net
Life Skills_Training Session on Road Safety: Duty, Rights Responsibility	15/09/2016	52	Department of Students Welfare
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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	Number of	Number of	Number of	Number of
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	scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passed in the comp. exam	students placed
2016	Competitive Examination Preparation	181	14	Nil	Nil
2016	Career Counselling	Nil	Nil	5409	870
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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
24	24	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
Acadecraft Pvt Ltd	9	1	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
2016	1	BSc	Department of Nutrition and Dietetics	Amity University, Noida	MSc. Food Technology
2016	15	B.Sc.	Department of Nutrition and Dietetics	Manav Rachna International University	MSc Nutrition and Dietetics
2016	2	B.Sc ID	Department of Interior Design	Asian Academy of Film Television	Pursuing M.Sc Interior Design
<a href="#">View File</a>					

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
GATE	4



GRE	2
TOFEL	4
Civil Services	1
Any Other	3
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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
Dancing, Singing, Mimcry, Standup Comedy, Fashion Walk, Instrumental Playing, Knowledge Hunt-Quiz and Group Discussion	University	70
Tug of War, Relay race 100m, Musical Chair, Skip and run, basketball, Volleyball	Inter College	280
Volleyball (Boys Girls), Badminton (Boys Girls), Cricket (Boys), Football, Basketball (Boys Girls), Table Tennis (Boys Girls), Squash (Boys), Chess (Boys Girls)	Intra College	400
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
2016	World University Games 2016 at Bydgoszcz, Poland/Gold Medal	International	1	Nil	15/FCBS/BBA(G)/030	Bhavesh Shekhawat
2016	World Championship IDFF at Slovenia, Buber/Silver Medal	International	1	Nil	13/FAS/Bsc(N&D)/021	Lokesh Rawat
2016	Shotgun Shooting World Cup 2016 at New Delhi/	International	1	Nil	14/FMS/MBA/085	Ankur Mittal

Silver  
Medal

[View File](#)

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 the Alumni Association. 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 16000 members has seven 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 Humanities Chapter 5) Faculty of Commerce Business Studies Chapter 6) Faculty of Applied Sciences Chapter 7) Faculty of Management Studies Chapter Each Chapter has a respective Alumni Faculty Coordinator with support from the Head of Departments Deans to support Alumni Connect and Facilitation. These chapters are in line with the appointed Central Alumni Coordinator of MRIU Alumni Association, who is responsible for getting all the updates from the different Faculty Chapters of Alumni Data, Events Activities and the Central Alumni Coordinator is also responsible for getting all the necessary help to the respective Faculty Chapters if required. The Executive Council has continuous updates of all the happenings around MRIU Alumni Association which is updated to the Executive Council in the meeting as per the direction of Bye-Laws. The executive council suggested an online platform to reach out to our alumni, which are explored and implemented with the support of different technical departments of Manav Rachna International University. As per the advice received from Executive Council, MRIU developed a special mobile application for alumni to get more updates and news. MRIU also provided the following services through this mobile application: 1) Library Access 2) Placement Drives 3) Event Calendars 4) Job Opportunities 5) Internship Opportunity 6) Mentorship Opportunities from Accomplished Alumni 7) Location services of Alumni on app This mobile app worked like a consortium between the university and alumni all around the world. The Executive Council also pressed the issue of increasing the number of alumni-related events on the campus, and several actions were taken like including the existing students from the faculties in the organizing of alumni-related events, including the administration and related facilities like seminar hall, auditorium, classroom, library premises, etc. were used to improve the number of events and alumni engagement. Apart from the team of Faculty Coordinators of respective Faculty Chapters, various students and teachers were also identified to reach out to alumni for the Alumni Association. These teachers were selected based on better alumni-connect and ideas regarding Alumni events and activities. Resulting from these following actions, the engagement activities in different faculty Chapters (list given above) have observed substantial growth. Alumni were invited for the events like: 1) Guest Lectures 2) Alumni Interaction 3) Alumni Meet 4) Guest Judging 5) Mentoring Session 6) Placement Drives and more

5.4.2 – No. of registered Alumni:

16394

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

15

## **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
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.
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.

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.

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.

#### 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.

#### 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.

#### 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.

#### 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
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	<p>Examination Module: MRIU has in-house developed result processing software to generate the final grades and CGPA.</p>
Planning and Development	<p>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.</p> <p>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</p>

defined. • Time table is prepared according to the defined teaching load. Date wise time table can be viewed by students and faculty members. • Topic wise lesson plan for the whole session with proposed date is prepared and uploaded by all faculty members and it can be viewed by students as well. • 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

Fee Module: • 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.



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. Chavi Bhargava Sharma	Speaker at BRICS - Development for cooperation . Network universities and international labour market, Peoples Friendship University of Russia, MOSCOW, Russia (26th -27th Oct 2016)	NA	35018
2017	Dr. Anil Sareen	Visit to AIS Newzealand for Faculty Exchange Programme, 5th-19th Feb 2017	NA	26269
<a href="#">View File</a>				

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 professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2016	FDP on Stress Management	-	09/07/2016	17/07/2017	9	Nill
2016	Workshop on Installation of 200-500 kW Solar Power	Nill	07/07/2016	07/07/2016	5	Nill
2016	-	Staff Development Programme (SDP) on Usage of Linux - Libre	21/09/2016	21/09/2016	Nill	50

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
International conference on Advances in management and decision Sciences	2	16/07/2016	17/07/2016	2
FDP on Stress Management	8	09/07/2016	17/07/2016	9
FDP on Computer Science and Information Technology 2016	7	07/07/2016	21/07/2016	13

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
42	42	19	19

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</p>	<p>? The university maintains Student Staff and Alumni Welfare Fund (SSAWF) out of which assistance is given for research, higher studies, scholarship to needy students, disaster relief and entrepreneurship. ? 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 ? Apart from in-house medical facility, tie-up with Metro Heart Institute, Asian Hospital</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</p>

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. ? Incentivized policy of Research, Innovation and Incubation for faculty members. ? Annual appraisal based on teaching, R D performance (with well- stated and notified policy) and students feedback. ? 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. ? Apart from in-house medical facility, tie-up with Metro Heart Institute, Asian Hospital Sarvodya Hospital, Faridabad for Health Services to students and staff. ? Faculty and staff with a stay of minimum 10 years are honored every year on the occasion of celebration of New-Year in the University. ? 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

Sarvodya Hospital, Faridabad for Health Services to students and staff. ? 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. ? Advance against salary. 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 University's medical consultant is available for consultation between the specified hours on all working days.

/ 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 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

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

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 onferences/Workshops/Camp s 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
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

400000
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## 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	Nill	Yes	IQAC, MRIU

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

NA
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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.
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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. Annual Awareness Programme on Code of Conduct and Quality for faculty and Staff members was conducted on 6th Aug 2016. 2. Staff Development Programme (SDP) on Usage of Linux – Libre Office was conducted on 21st Sep 2016, for 50 Staff members. 3. Sessions on Library Orientation were conducted on 15th Oct 2021 and 5th Nov 2021 for 22 staff members. 4. Orientation on Ishikawa Techniques for faculty and staff members was conducted on 3rd Dec 2016 for 33 faculty and 8 staff members. 5. Session on Time Management was conducted on 17th Dec 2021 for 21 staff members. 6. Workshops on How to handle IT Equipment's and Service was conducted on 3rd Feb 2017 for 16 staff members. 7. Workshops on How to handle IT Equipment's and Service was conducted on 10th Feb 2017 for 21 staff members.

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

1. Initiation of the process of NBA Accreditation: The process for NBA accreditation of four B.Tech Programmes (Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Biotechnology) and Management Studies was initiated. Pre-qualifier for all Programmes already got approved and SAR shall be submitted during the coming academic year. 2. IQAC has strategized the following Policies and Procedures during the year along with the revision of Quality Assurance Manual: • Policy and Schemes for Student Welfare • Policy and Procedures for Student Admissions • Policy and Procedures for implementation of e-Governance across the University. • Governance Standards for MRIU • Guidelines and Parameters for conduct of Academic Audit • Quality Policy 3. Publication of Quality Assurance Manual: Quality Assurance Manual serves as a guide for all Academic and Administrative activities of the university. IQAC prepared Quality Assurance Manual 2017 which includes quality processes and standards to be followed by all the academic and administrative units of the university. The manual has been approved by the Board of Management of the University. 4. Conduct of Stakeholders Feedback: Feedback from various stakeholders was collected for AY 2015-16 in the form of Student Course Feedback, Annual 360° Student Feedback, Alumni Feedback, Employer Feedback, Parents Feedback and Faculty Feedback. The reports got analyzed and appropriate actions were taken accordingly. 5. Conduct of Academic Audit: As per the system of Academic Audit introduced, the Academic Audit of each department was conducted where external auditors were invited from various reputed academic institutions and suggestions were implemented by the departments concerned. Academic Audit for AY2015-16 was conducted during August 2016. 6. Setting up NewGen Innovation and Entrepreneurship Development Centre (IEDC) under the aegis of National Science and Technology Entrepreneurship Development Board (NSTEDB) by Department of Science and Technology (DST), Govt. of India, New Delhi: Proposal for funding for setting up NewGen Innovation and Entrepreneurship Development Centre (NewGen IEDC) under the aegis of National Science and Technology Entrepreneurship Development Board (NSTEDB) by Department of Science and Technology (DST), Govt. of India, New Delhi was submitted successfully on Jan 16, 2017.

#### 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
2016	FDP on Enhancing Quality of University Research	16/09/2016	16/09/2016	17/09/2016	47
2016	Staff Development Programme (SDP) on Usage of Linux - Libre Office	21/09/2016	21/09/2016	21/09/2016	50
2017	Annual Awareness Programme on Code of Conduct and Quality for faculty and staff members	06/08/2016	06/08/2016	06/08/2016	231

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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
Group Discussion on Sexual Orientations and the Different Genders	14/07/2016	14/07/2016	22	27
Discussion on "Me-You- and the other-Breaking Gender Myths"	19/07/2016	19/07/2016	17	31
Workshop on Breaking the Barrier Gender-	20/07/2016	20/07/2016	16	40

Gender Stereo types				
Group Discussion on Sex and Gender-Truth and Misconception	22/07/2016	22/07/2016	51	92
Workshop on Changing Perspectives on Gender	25/07/2016	25/07/2016	29	20
Awareness Talk on Gender Shackles and Equity	26/07/2016	26/07/2016	26	36
Workshop on My Body My Pride	27/07/2016	27/07/2016	33	47
Main streaming of All Genders-Strategies and Plans	28/07/2016	28/07/2016	17	15
Movie Screening on Standing Up for Women's Rights and Respecting "NO"	05/08/2016	05/08/2016	Nill	80
Brain Storming on Safety Tactics for Women	15/11/2016	15/11/2016	68	Nill
Swayamsiddha A- Panel discussion on How to Say "NO" B- Guest Lecture Series- Living in a men's world C- Guest Lecture- Understanding Women and Making the World a Women's world	06/03/2017	06/03/2017	163	207
Self Defence Workshop for Women	07/03/2017	07/03/2017	43	57
Workshop on How Women can Stay Safe and Fight for Their	08/03/2017	08/03/2017	36	54



Rights				
Launch of Center For Women Excellence in Women Leadership	08/03/2017	08/03/2017	36	54
Discussion on Women's Health and Hygiene	10/04/2017	10/04/2017	27	33
Nukkad Natak " Give Respect Get Respect- Working Toward Equality and Equity"	04/03/2017	04/03/2017	51	92

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 ? Generation of Renewable Energy from Solar PV Systems - The Solar units at MRIU are installed by M/s Amplus Energy Solutions, New Delhi, on agreement basis, wherein the Amplus Energy Solutions is the 'Power producer' while MRIU is the 'Power purchaser'. The Amplus Energy Solutions has been allocated 'Bidder' status for generating Solar Power by Solar Energy Corporation of India Ltd. (SECI). There are two Solar Power Units installed in MRIU campus. The first unit is of capacity 234 KWp and the second unit is of capacity 88 KWp. ? Usage of Renewable Energy from Solar devices- Solar water heaters are already in use. ? Energy efficient lighting- Few LEDs were installed in the University campus in replacement to CFLs and tubelights. ? Servo Stabilizers already replaced with OLTC transformers to reduce power losses. Waste Management ? Biocomposter for treating organic waste- The organic waste comprises tender garden waste and food waste generated from canteens, mess and hostel kitchen is fed to the Biocomposter which is installed in the campus. The Biocomposter is a Schnell Automatic Organic Composter by Urban Solutions, New Delhi, with the composting capacity of 75 Kg per day. The organic waste is treated and recycled into compost in every 24 hours cycle and the generated compost is utilized as organic fertilizer in the campus gardens. ? 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 ? MRIU also has agreement for biomedical and hazardous waste management with Mahavira Udyog, Rohtak. ? Colour coded garbage bins- Already exist. ? 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 ? Green policy- Already exists</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5000

Provision for lift	Yes	5000
Ramp/Rails	Yes	5000
Rest Rooms	Yes	12
Scribes for examination	Yes	Nil
Any other similar facility	Yes	140

#### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2016	8	8	20/08/2016	360	Physiotherapy Health Camps	To provide physiotherapy healthcare to underprivileged section of society and to those where these facilities are not available.	70

[View File](#)

#### 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	The Monitoring Committee to monitor its effective implementation was constituted on 2nd September 2016 under the Chairmanship of Vice Chancellor. ? Session on Code of Ethics and Professional Conduct for newly inducted faculty was conducted on 29-07-2016 ? Annual Awareness Programme on Code of Conduct and Quality for faculty and staff members was conducted on 06.08.2016 ? Meeting of the Monitoring

		Committee was held on 6th October 2016 and 14th June 2017 and no case of misconduct was reported.
Code of Conduct for Non-Teaching Staff	03/10/2016	The Monitoring Committee to monitor its effective implementation was constituted on 2nd September 2016 under the Chairmanship of Vice Chancellor. ? Session on Code of Ethics and Professional Conduct for newly inducted faculty was conducted on 29-07-2016 ? Annual Awareness Programme on Code of Conduct and Quality for faculty and staff members was conducted on 06.08.2016 ? Meeting of the Monitoring Committee was held on 6th October 2016 and 14th June 2017 and no case of misconduct was reported.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Road to Resurrection: Annual Cultural FEST	05/07/2016	05/07/2016	30
Session on Code of Conduct @ Orientation 2016	25/07/2017	25/07/2017	53
<a href="#">View File</a>			

#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The major initiatives taken by MRIU to make the campus eco-friendly are- 1. Solar PV Systems installed for generation of renewable energy. 2. Biocomposter installed for organic waste management. 3. A rain water harvesting unit has been commissioned near D-Block in MRIU campus. 4. Some CFL and tubelights replaced with LEDs within the MRIU campus buildings. 5. Proper management of effluent waste water, biomedical waste, hazardous waste and e-waste. 6. More trees planted to enhance green cover. Total green area in the campus 32104 Sqm Grass - 17,360sqm., Tree cover - 2910sqm , shrubs herbs -4550sqm , potted plants- 4650sqm. It includes more than 75 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 help build an ecosystem in the University to encourage research leading to a change

in mindset towards innovation. • 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. • 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

iii) 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. • Students are given problems in the form of projects to engage in participative and collaborative learning to culminate in a research bent of mind. They are encouraged to venture onto a serendipitous and disruptive mode of thinking which a pre-requisite of research and innovation are undoubtedly. Same applies to faculty members as well.

iv) 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. • Similarly the University ManavRachna Innovation and Incubation Centre (MRIIC) which helps the students to develop practical business models and provides technology and innovation support. • In order to keep updated with the latest cutting edge technology, several MoUs have been signed with reputed organizations like: Marutiudyog Ltd., Su-Kam, Intel, Atmel, Mitsubishi Electric, JBM, Texas Instruments.

v) Evidence of Success: • A start has been made to imbibe a research culture amongst faculty and students as a result of which number of research publications is on the rise. Both students and faculty are in the processing of developing skills to enter into the area of innovation to convert their raw ideas to viable commercial products. • Following are the deliverables of our assiduous efforts at promoting research and innovation: ? Research Publications-523 ? Book Chapters-96 ? Patents-115 filed Following awards have been received: ? Project developed for cleaning the atmosphere air by filtration awarded by All India Universities- Anveshan 2017 (AIU) at Chennai on 10th April 2017. ? "Solar Driven Car" awarded by Auto Tac Review on 16th December 2016. ? "SAE Guru Award" at Society of Automative Engineering on 20th October 2016. ? "Eminent Engineer" Young Engineer, Er. S. S. Bajaj 2016 Award at 49th Engineer's day organized by Institution of Engineer's , India on 15th Sept. 2016.

vi) 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 to learn Application softwares, quantitative and analytical techniques. • 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 continue 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 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.
- Curriculum design for every discipline should promote an attraction towards science and technology learning.

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 class-room domain. CBCS and offering open electives are essential ingredients to encourage cross-domain movement for students.
- 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.
- All assignments, question papers both sessional and end semester examinations have been mapped with the stated COs to assess the attainment of COs, POs/PSOs. For assessment of Lab courses, rubrics have been defined.
- 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.

v) Evidence of Success:

- Students and faculty have welcomed an updated curriculum and the coveted objective of keeping them abreast of latest developments is evident.
- Professional accretion, general awareness, communication skills, placements of a large cross-section of students has shown a marked improvement.

vi) Problems Encountered and Resources Required:

- Availability of faculty with high research acumen and hands-on skills.
- Paucity of faculty with high level of expertise in modern manufacturing and computational techniques.
- 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

Our University, right from its inception sets great store by the national development and growth of India's economy. To achieve that it is imperative, more so now than ever before, to encourage and motivate our students to follow



a path of entrepreneurship. Entrepreneurship brings in its wake a host of seemingly intractable problems, pitfalls and frustrations. But in their formative years when students learn to face them, they not only develop academically but it leads to their holistic development and a better human being. They thus learn to grapple with technological and societal issues which pave the way for their becoming ace entrepreneurs in the later stages of their careers. Thus, our university claims entrepreneurship and innovation endeavours as its distinctiveness. Under Manav Rachna Innovation and Incubation Centre (MRIIC) Centres of Excellences have been established in collaboration with reputed leading industries like SAP, IBM, Intel, Mitsubishi Electric India, Honda Motors, Reliance Jio for enhancing training and research skills of the students and to adopt a high technological path embedded with contemporary tools like AI, IOT, ML, IA, Addictive 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. Hyfn Games Pvt. Ltd. Bookshala and Techno planet Labs Pvt. Ltd. Spiro Studios are some of the notable incubated startups undertaken by the students under MRIIC. This performance has been a great trend-setter and augurs well for other students to emulate. Project Shwaas, Dental Posture Correction System, GRIWADITI, Solar Driven Car, Smart Extension Board, Real Time Weather Monitoring System, Smart Skull Electic Wheel Chair, are some of the notable projects developed by the students which have won prizes in different international and national level competitions. MRIIC deals in integrated, customized Innovation based Incubation support services for potential high investable entrepreneurs and enterprises. It invites 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 utopian but realizable across the board. Thus while classroom teaching merely opens a door for a student to usher into the contemporary world of any discipline, be it engineering, management, social sciences, health sciences innovation and entrepreneurship are a common denominator. It is through this channel, that our students shall become job creators rather than job seekers and thus mitigate the societal woes of our urban as well as rural segments.

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 has always been quick on the uptake to improve its processes, infrastructure and learning resources to surge ahead in its quest for excellence. According to the Washington Accord, Outcome- based Education (OBE) goes a long way in bringing about a major improvement in an HEI. Over the years, we have built a multiple of core competencies like a very relevant and contemporary curriculum, efficacious teaching-learning processes, a massive digitization of our processes and procedures, inculcating a strongly motivating and edifying culture of research, innovation and extension culminating in a spurt in research publications and patents, innovation and entrepreneurship, initiatives for environmental sustainability, Institutional Social Responsibility and a panoply of extra-curricular activities with sports as a majorly feature for our students. For the forthcoming Academic Year 2017-18, we plan, inter alia, to strengthen our pedagogy and education dissemination on OBE model. Concomitant to this, we shall continue strive to register an improvement in all other criteria and key indicators OBE in the Indian HEIs is still little understood. So we shall make extensive efforts to disseminate the basic lineaments. i) A large number of

workshops and seminars with outsourced experts and in-house teachers shall be organized to expose our teachers to get clued up on the basic philosophy of OBE, its advantages and the academic accretion and transparency it can bring about to an HEI. ii) We plan to have every teacher, student and functionary of the university to be conversant with the advantages and implementation of OBE. iii) In consonance to the above, extensive efforts shall be made to get our website and LMS to display and include an OBE culture which we intend to fully subscribe to in all its ramifications. iv) Besides, we are fully aware of the fact that a robust infrastructure and system of learning resources is a sine qua non a progressive. We plan to strengthen further our physical infrastructure, computational resources long with application softwares and library-the principal repository of knowledge in an HEI. In keeping with the contemporary library good practices, many digital initiatives shall be ushered in to make library very user-friendly for the library subscribes. v) We intend to take a quantum leap in our Research and Development activities. Our research publications, patents, number of FDPs to be conducted and attended by our faculty have to increase. vi) An intensive effort shall be expended to acquire higher level of consultancy and project grants. vii) With enhanced budget allocation, the library shall acquire a much larger number of volumes and titles of books and periodicals besides strengthening on-line journals.