



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

1. Name of the Institution	Manav Rachna International Institute of Research and Studies
Name of the head of the Institution	Dr. 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, Aravali hills, Delhi-Surajkund Road
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.	01294268304																		
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-2017-18.pdf">https://manavrachna.edu.in/wp-content/uploads/2020/03/Academic-Calendar-AY-2017-18.pdf</a>																		
<b>5. Accreditation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.05</td> <td>2015</td> <td>16-Nov-2015</td> <td>15-Nov-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	A	3.05	2015	16-Nov-2015	15-Nov-2020
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	A	3.05	2015	16-Nov-2015	15-Nov-2020														
<b>6. Date of Establishment of IQAC</b>			31-Jul-2009																
<b>7. Internal Quality Assurance System</b>																			

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
FDP on Nanotechnology and Promotion of Research and Innovation	04-Jul-2017 1	105
Session on How to handle stress among students	07-Jul-2017 1	89
Workshop on Awareness about MOOCs	17-Aug-2017 1	53
<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
Department of Biotechnology, Faculty of Engineering and Technology	Indian Oil Startup Scheme (IOSUS)	Ministry of Petroleum, GOI	2017 1095	17200000
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	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	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

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

- NBA Accreditation of four B.Tech Programmes (Computer Science and Engg., Electronics and Communication Engg., Biotechnology and Mechanical Engineering) and MBA Programme: MRIIRS has applied for NBA Accreditation for all the mentioned Programmes, Prequalifier already got approved, SAR has been submitted incorporating all course and Program Outcome Attainment Details. NBA Expert Team

visit is due in August 2018. • Participation in NIRF under the category of Engineering, Management, and Overall Universities: Details were uploaded on NIRF portal under three categories: Engineering, Management and Overall Universities. MRIIRS has been ranked in the prestigious India Ranking under National Institutional Ranking Framework (NIRF) 2018 of Ministry of Human Resource Development under all the three categories: Engineering, Management and Overall Universities as follows: Engineering: Rankband: 151200 Management: Rankband: 76100 Overall Universities: Rankband: 151200. • Institutionalization of the Quality Improvement Policies/Rules in various departments of the University: Following Policies along with their Procedures and Revised Examination Manual with more comprehensive Rules and Regulations were institutionalized: 1. University's Infrastructure/Resource Mobilization 2. Policy and Procedures for Consultancy and Corporate Training including Revenue sharing between University and Individuals 3. Examination Manual: Rules and Regulations • Revision of Stakeholders Feedback formats for Curricula and Generic Facilities considering the Revised Accreditation Framework of NAAC launched in July 2017. Stakeholders Feedback Forms to collate Feedback on Curricula and Generic Facilities (from AY201718 onwards) from Students, Alumni, Employer, Parents and faculty members were revised and institutionalized. • IT integration for Examination Processes: 1. Examination software was modified as per new Grading Policy as notified by UGC. New grading policy on 10 points scale was introduced. Subsequently, the inhouse developed resulting software has been modified to bring about the changes as per new grading scheme. 2. Participation of Manav Rachna International institute of Research and Studies (Deemed to be University), Faridabad in National Academic Depository (NAD). With the efforts of the NAD cell, 1411 (UG/PG) Degrees of 2017 Batch have been uploaded till date on the CDSL Venture Ltd. (CVL) NAD portal as notified in 25th meeting of BoM held on 24th July, 2018. 3. Learning outcome attainment strategy has been incorporated on icloud EMS: The complete learning outcome strategy for computation of Course and Program Outcome attainment using both direct and indirect tools has been incorporated on icloud EMS and is ready to be tested during odd semester of AY201819. • Conduct of Academic Audit for AY201617: As per the system of Academic Audit introduced, the Academic Audit of each department was initiated where external auditors were invited from various reputed academic institutions and suggestions were implemented by the departments concerned. Academic Audit for AY201617 was conducted during September 2017. • Conduct of Stakeholders Feedback for AY201617: Feedback from various stakeholders for AY201617 was conducted during July/August 2017. It was collected 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.

[View File](#)

### 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	Achievements/Outcomes
Induction Program for newly appointed faculty members	Induction Program for newly appointed faculty members was organized on 29th July 2017
NBA Accreditation of four B.Tech Programmes (Computer Science and Engg., Electronics and Communication Engg., Biotechnology and Mechanical Engg.) and	MRIIRS has applied for NBA Accreditation for all the mentioned Programmes, SAR has been submitted and NBA Expert Team visit is due in August

MBA Programme	2018.
Preparation of AQAR for AY 201617	AQAR for AY 201617 was prepared and uploaded on the website after its approval.
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
Board of Management	30-Oct-2018

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
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<b>16. Whether institutional data submitted to AISHE:</b>	Yes
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Year of Submission	2018
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Date of Submission	20-Mar-2018
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<b>17. Does the Institution have Management Information System ?</b>	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Manav Rachna International Institute of Research and Studies (MRIIRS) has subscribed to a comprehensive icloud EMS (Education Management System) which provides integrated solution to enhance and digitize the processes like Admissions, Fee, Student's academic life cycle, Employee's Profile, Transport, Hostel, Feedback, Grievance, Recruitment HR processes and other administrative operations in the university. Salient features of all the modules are listed below:</p> <ul style="list-style-type: none"> <li>1. Admission and Student Module</li> <li>• Online Application form</li> <li>• Merit list preparation</li> <li>• Verification of eligibility criteria, Data scrutiny, uploading/verification of required documents, Temporary batch allocation, Payment of fees, Final seat allocation, Temporary roll no., CLAN, Generation of Admission letter ID card and allocation of Hostel/Transport facility.</li> <li>• Generation of Login ID and Password of students to access EMS</li> <li>• Programme transfer, Withdrawal and editing etc.</li> <li>• Generation of student</li> </ul>
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Permanent ID cards. 2. Student Course registration Module and course approval: • Registration of courses by students under various academic baskets within the set credit limits according to the course prerequisites, anti requisites and other requirements. • Approval of courses by the department. 3. Faculty course allocation, Time table, Lesson Plan and Attendance Module: • Allocation of courses to Faculty members according to specific batch/Section/Practical or Tutorial groups. • Generation/preparation of Time table. Tagging of alternate arrangement, extra lecture. • Visibility of Date wise Time table to Students and Faculty members. • Uploading of lecture session plan by faculty for students • Marking of Student attendance by selecting the topic taught in the lecture within 24 hrs of the lecture conducted. • Attendance of students engaged in cocurricular and extra circular activities are marked from "Event Attendance Module" separately. • Generating attendance reports and its availability to students and parents 4. Assignments and Academic Content Module: • Uploading of course contents, lecture notes: PPT's, Links and videos, assignments for students. • Online submission of assignments. 5. Examination Module: • Question wise uploading of marks using inhouse developed resulting software. The software was upgraded as per the new grading scheme of UGC. 6. Hostel and Transport Module: • Allocation of Hostel Beds and Transport vehicle according to facilities and Route/Stop opted by the student. • Hostel and Transport ID Card can be generated from the system. 7. Employee Profile Module: Uploading the personal, academic and data related to Publications, Journals etc for preparation of reports required for various accreditations, rankings, surveys and compilation of data for regulatory bodies. 8. Fee Module: • Student can view/Pay (Through Credit card/Net banking) their previous balance amount with current Academic, Hostel/Transport or Miscellaneous dues. • Generate/Print Fees Challan. • View/Print Fee receipts for the Paid amount. 9. Recruitment form and HR Module: • Online filling of recruitment

form, short listing, scheduling interview and sending EMail/SMS to the candidates. • Employees can view their daily attendance (IN and OUT timings) • On line leave application its approval and balance status • Assignment of substitute faculty in case of leave by any teaching staff.

## 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	30/06/2017
BTech	BAUE-002	Automobile Engineering	30/06/2017
BTech	BBIT-003	Biotechnology Engineering	30/06/2017

[View File](#)

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	04/01/2018	Bioinformatics Computer Applications:BT-406	04/01/2018
BTech	Biotechnology Engineering BBIT-003	04/01/2018	Basics of Chemical Engineering Lab:BT-414B	04/01/2018
BTech	Biotechnology Engineering BBIT-003	04/01/2018	Bioinformatics & Computer Applications Lab:BT-415	04/01/2018

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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
BTech	Electronics and Communication Engineering:Internet of Things-I	10/07/2017

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
<b>Nil</b>	<b>NIL</b>	<b>Nil</b>

### 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
<b>Ergonomics Workplace Analysis</b>	<b>10/07/2017</b>	<b>10</b>
<b>Application Of Composite Materials In Automobiles</b>	<b>08/06/2018</b>	<b>11</b>
<b>Automotive Safety System</b>	<b>10/07/2017</b>	<b>14</b>
<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
<b>BTech</b>	<b>Automobile Engineering</b>	<b>59</b>
<b>BTech</b>	<b>Automobile Engineering</b>	<b>14</b>
<b>BTech</b>	<b>Civil Engineering</b>	<b>127</b>
<a href="#">View File</a>		

### 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
Curriculum is an essential and most important foundation of a 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. A Standard Operating Procedure (SOP) on "Feedback on Curricula" has been formulated with an aim to bring the analysis report of feedback and assessment of present courses in any program. Combination of Feedback of faculty members, parents, employer, alumni along with the Student feedback constitute the comprehensive



and robust system which help the department to develop quality curricula which meets market demand. 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 including Student Satisfaction Survey about curriculum, pedagogy delivery, generic facilities like hostel, canteens and food courts, computer and internet facility, health care, internship and placements and extra-curricular activities from the current students and other stakeholders like parents, alumni, industry experts, recruiters, and in-house faculty alike 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 13 items pertaining to curriculum and 12 items on common utilities besides feedback on classroom, health care, internet facilities, training placements and others. Similarly feedback responses are obtained from other stakeholders. The observations 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 stakeholders, 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 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	Biotechnology	30	157	22
BTech	Automobile Engineering	30	98	16
BTech	Aeronautical Engineering	30	87	11

[View File](#)

### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses

2017	4987	599	289	17	97
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## 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
403	403	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 and guidance are important pillars of student support services. The students need this support to overcome their personal, social and academic problems which may affect their progress. An independent well-coordinated student mentoring system is in place at MRIIRS as per the laid down Policy. - Mentors at Department level: Each department of the University has a well entrenched student mentoring mechanism. Each faculty member is allocated with 20-30 students under the mentoring system. - Faculty Mentors conduct regular meetings with the students at least every fortnight to discuss their Academic progress, participation in other activities or any other issue. - 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. - Any discrepancy in the student behavior like short attendance, poor performance in academics or any kind of misconduct is analyzed and the student is counseled with care. - Faculty members update regarding such cases to the HOD along with senior professors/faculty members of the department. HOD along with senior professors/faculty members scrutinize critical cases and suggest corrective measures. If necessary, the parents are called for discussions. - Students have an easy access to the Teachers, Course-coordinators, Head of departments, Dean of faculty, Dean-Academics and other concerned functionaries of the University. - Parents are kept in the loop and are periodically updated on their ward's performance. - Students are always counseled to develop professional competitiveness as well as ethics, human values, sense of social responsibility and environmental consciousness. • Career Development Centre (CDC) and Corporate Resource Centre (CRC) are helping students to equip themselves with market-relevant skills to become more employable. CDC is the training arm of the university taking care of the skill enhancement requirements including Employability, Personal-Productivity, Quality and Managerial Skills which are rated very highly by the corporate world. CRC is the facilitating unit of MRIIRS which engages with the industry, constantly strives for expanding the industry-academia interface and provides a platform to students for their campus placement. • MRIIRS has tied-up with Career Launcher to provide in-house training to the students for different competitive exams including Civil Services, Engineering Services, Public Services. However, modules for GATE preparation are taught by the faculty in the concerned departments. • A dedicated service through a counselling-cell addresses to various behavioral problems of students. Trained women faculty attends on girls' students to help them sort out various behavioral and emotional disturbances. Sage advice and mentoring by this counselling cell helps young male and female students to sort out issues which they may be reluctant to discuss with their parents in a suggestible phase of life. • Apart from this, a dedicated team of student welfare and Department of Sports provide mentoring and motivational support for overall development of the students. Anti-ragging committees' function at University and Faculty level under Proctor of the University. Various Grievance Committees operate under senior functionaries of the University.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5586	403	1:14

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
394	403	Nil	43	141

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
2017	N.K. Chadha	Professor	1. Awarded NCDA Presidential Recognition Award on 28th June, 2017 at Orlando , Florida, USA at the
2018	Amit Seth	Professor	Appreciation Award Social Contribution for 22nd National Conference of Breast cancer foundation, BCFICON-2018 10-11 March 2018
2017	Abhilasha Shourie	Professor	Awarded Dr. APJ Abdul Kalam Award for Teaching Excellence - 2017 by Marina Labs, Chennai. (21st Oct 2017)
<a href="#">View File</a>			

## 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 / 2017	05/01/2018	18/01/2018
BTech	BAUE-002	1, 3, 5, 7 / 2017	05/01/2018	18/01/2018
BTech	BAEE-001	1, 3, 5, 7 / 2017	05/01/2018	18/01/2018
<a href="#">View File</a>				

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
8	5406	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
BBIT-003	BTech	Biotechnol ogy	24	18	75
BAUE-002	BTech	Automobile Engineering	22	15	68.18
BAEE-001	BTech	Aeronautical Engineering	14	10	71.43
<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\\_2017-18.pdf](https://manavrachna.edu.in/wp-content/uploads/2021/10/Student-Satisfaction-Survey_2017-18.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
International	Dr D K Chadha, Dr Sarita Sachdeva Dr A Mukheerji	Establishment of Wash Innovation Lab (WIL) under Innovation Hub for Urban water ,Sanitation and hygiene.	03/05/2018	National Institute of Urban Affairs ( NIUA), sponsored by USAID
National	Dr. Monika Goel	Establishment of Innovation E ntreprenurship Development Centre at MRIU	13/07/2017	NSTEDB, DST, GOI
National	Dr. Sarita Sachdeva, Dr. Nidhi Didwania, Dr. Abhilasha Shourie, Ms. Deepti Sadana	Bioformulation- a novel ecofriendly solution against fungal pathogens in	25/09/2017	Indian Oil Startup Scheme (IOSUS), Ministry of Petroleum, GOI

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

Name of Research fellowship	Duration of the fellowship	Funding Agency
JRFs	365	UGC
Research Associate-IPR	365	MRIIRS, Faridabad
Research Associate-EEE	270	MRIIRS, Faridabad
<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	1095	National Institute of Urban Affairs (NIUA), sponsored by USAID	23.2	4.14
Major Projects	1825	NSTEDB, DST, GOI	287	60
Major Projects	1095	Indian Oil Startup Scheme (IOSUS), Ministry of Petroleum, GOI	172	4.9
<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
3 Day Workshop On Aircraft Safety ,Engineering, Maintenance, Traning And On Special Topics On Aerospace Engineering	Aeronautical Engineering	17/01/2018
Workshop: Two Wheeler Servicing	Automobile Engineering	03/04/2018
Workshop -Emerging Automotive Technologies	Automobile Engineering	22/01/2018
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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
Air Pollution Mitigation	Dr B.S.Gill, Ms Prachie	'Rajasthan Digifest 2018',	05/05/2018	Teacher and Student

	Sharma and Mr Amit Kumar Singh	organized by Government of Rajasthan at Jaipur recently. 'Green-a-Thon' or the Green Hackathon		
Excellence in Resource Management	Center for Advance Water Technology and Management (CAWTM), MRIIRS, Faridabad	Aqua Foundation, Delhi info@aqua foundation.in 91-9818568825, https://www.wor ldaquacongress. org/aqua-excell ence-awards-rec ipients.aspx	09/11/2017	Institution
<a href="#">View File</a>				

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start- up	Date of Commencement
NewGen IEDC	Shivendra Chauhan Akshay Sharma	DST, NSTEDB, GOI	Aarkaya Solar Solutions Pvt Ltd	Solar Energy, Prototype Development	08/08/2017
NewGen IEDC	Kartik Rampal Aayush Mohan	DST, NSTEDB, GOI	Tackyon Motorsports Pvt Ltd	Electric Bike, Innovation	01/07/2017
NewGen IEDC	Mohit Dhariwal Anshu Jha Pranav Jha	DST, NSTEDB, GOI	Halestain Food Labs (Natures Drop)	Natural and Healthy Beverage, PoC stage	19/01/2018
<a href="#">View File</a>					

## 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
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			any)
International	Biotechnology	31	4.07
National	Biotechnology	11	2.86
International	Chemistry	4	6.35
<a href="#">View File</a>			

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
Applied Science (Chemistry)	1
English	1
Computer Science Engineering	1
<a href="#">View File</a>	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Mobil Home Based Biogas Digester-Dr. Dipali Bansal Ms. Neena Godara	Published	201611040143	01/06/2018
Automatic Two Wheeler Side Stand-Devendra Vashist, Vinay Sheoran, Chanpreet Singh, Peeyush Sharma	Published	201611024050	16/02/2018
Smart Eye-Wear by Dr. Shalini Grover( Physiotherapy)	Filed	201811049915	16/02/2018
<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
Cross-Cultural Adaption, Validity And Reliability Of A Hindi Version Of The Corah'S Dental Anxiety Scale	Jain M, Tandon S, Sharma A, Jain V, Yadav NR.	Health promotion perspectives.	2018	4	MRIIRS	4
A	Dahiya,	Expert	2017	11	MRIIRS	8

Feature Selection Enabled Hybrid-Bagging Algorithm For Credit Risk Evaluation	S., Handa, S.S., Singh, N.P.	Systems				
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#### 3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Analysis And Development Of Load Balancing Algorithms In Cloud Computing	Bura, D., Singh, M., Nandal, P.	International Journal of Information Technology and Web Engineering	2018	3	2	MRIIRS
A Novel Uml Based Approach For Early Detection Of Change Prone Classes	Bura, D., Choudhary, A., Singh, R.K.	International Journal of Open Source Software and Processes	2017	2	1	MRIIRS
A Novel Handoff Necessity Estimation Approach Based On Travelling Distance	Madaan, J., Kashyap, I.	International Journal of Intelligent Systems and Applications	2018	9	2	MRIIRS

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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	76	110	10	263
Presented papers	145	45	Nil	4
Resource persons	5	6	Nil	4

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#### 3.5 – Consultancy



### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr. Monika Goel	Existing Tax Regime to GST Regime implementation	Advocate R K Roota, Gurgaon	1500000
Ms. Anjali Gupta	Survey of road from Hermitage to Peacock Lake Surajkund	New Infrastructure work, International Craft Mela, Haryana Tourism, Govt. of Haryana	70800
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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	40000	13
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## 3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Humara Campus, Swach Campus: Culture of taking responsibility for clean campus	DSW	2	30
Swachta Pakhwada: AN INITIATIVE TOWARDS A CULTURE OF CLEAN ENVIRONMENT	All departments of MRIIRS with DSW	2	500
Cloth Donation Drive - Happiness for All	NSS and DSW MRIIRS	2	15

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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
Skill Based Training (OJT) Automobile	Appreciation	Government Secondary School, Faridabad	3
Blood Donation	Letter of Recognition	Rotrary Club	246

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Road Safety CampaginSW MRIIRS	NSS and DSW MRIIRS	Youth For Road Safety: Sensization Programme and Nukkad Natak on Duty, Rights and Responsibilities	2	15
Swaach Bharat Abhiyaan	All departments of MRIIRS with DSW	Swachta Pakhwada: AN INITIATIVE TOWARDS A CULTURE OF CLEAN ENVIRONMENT	2	500
Collection and Donation Drive	NSS and DSW MRIIRS	Cloth Donation Drive - Happiness for All	2	15

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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
Capacity Building FDP on NBA Accreditation Process in colloboration with YMCA university	34 faculty member	MRIIRS	5
Content Writer of paper 13, Strategic Human Resources Management under E PG Pathshaala, UGC	Dr. Nandini Srivastava	UGC	30

Course on Food and Beverage Service	15 students from Bhutan	EDCIL(India) Ltd.	90
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry - Academic Partnership	Clinical Internship	Asian Institute of Medical Sciences, Faridabad	15/01/2018	14/03/2018	Asmita Batra Student of Nutrition And Dietetics
Industry - Academic Partnership	Clinical Internship	Dhara Masale Pvt/Ltd, Saharanpur	06/01/2018	09/03/2018	Apurva Sharma Student of Nutrition And Dietetics
Industry - Academic Partnership	Industry Internship	shree Sambhavi Jankalyan Samiti, Dwarka	03/01/2018	28/02/2018	Anisha Rawat Student of Nutrition And Dietetics
<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
Teckkonnnect	23/04/2018	Imparting training on usage of MX Road to real life problems	22
Honda Motor Cycles And Scooters India (HMSI) Private Limited	13/01/2017	Two wheeler service training	175
<a href="#">View File</a>			

## 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
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890	910.45
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#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
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#### 4.2 – Library as a Learning Resource

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

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

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Journals	Nill	Nill	188	649908	188	649908
Others(s pecify)	Nill	Nill	22	93598	22	93598
Others(s pecify)	Nill	Nill	20	58295	20	58295
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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
Abhilasha Shourie	General Introduction to Chromatographic Techniques	ePG Pathshala	15/06/2018
Abhilasha Shourie	HPLC- Method Development and Validation	ePG Pathshala	15/06/2018
Abhilasha Shourie	HPLC- Mobile Phase Delivery	ePG Pathshala	15/06/2018

### 4.3 – IT Infrastructure

#### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	2153	34	2153	1	5	45	23	155	0
Added	161	0	161	0	0	0	0	0	0
Total	2314	34	2314	1	5	45	23	155	0

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

155 MBPS/ GBPS

#### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Video Production Center	<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
140.5	137.74	744.95	729.4

#### 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/ROwater/ACs/FireFighting ): 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.

<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 Marks in Qualifying Exam Others	815	24990649
Financial Support from Other Sources			
a) National	PMS Others	27	1161500
b) International	MERIT SCHOLARSHIP (EDCIL)	14	6906784
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved

Language Communication_Langauge Lab Training	10/01/2018	489	VISIONet Info Solution Pvt Ltd
Bridge Course_Communication for Managers	19/07/2017	100	Faculty of Management Studies
Bridge Course_Basics of Accounting	18/07/2017	100	Faculty of Management Studies
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2017	Competitive Examination Preparation	1486	Nil	56	Nil
2017	Career Counselling	Nil	4006	Nil	844
<a href="#">View File</a>					

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
28	28	7

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
AcademiaGu.ru.com	41	33	Medimetry	2	1
<a href="#">View File</a>					

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
2017	1	B.Tech	Department of Automobile Engineering	YMCA University of Science & Technology	MBA

2017	1	B.Sc ID	Department of Architecture & Design	AD the Design School	M.Sc Interior Design
2017	1	B.Sc ID	Department of Architecture Design	IILM University	M.Sc Interior Design
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	6
GRE	3
TOFEL	3
Any Other	44
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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
Relay Race, 100 m race, Lemon Spoon race, Tug of War Musical Chair, Basketball, Volley Ball, Cricket	Inter College	300
Cricket	Corporate	420
Badminton, Table Tennis	Department	250
Dance (Western or Folk) , Singing (Western or Traditional), Drama, Fashion Walk, Standup Comedy, Mimcry, Instrumental Performance	University	70
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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
2017	Udghosh 2017 at IIT Kanpur /Bronze Medal	National	1	Nill	1/14/FET /BME/2/057	Akshay Sharma
2017	ISSF Shotgun Shooting	Internat ional	1	Nill	14/FMS/M BA/085	Ankur Mittal



World Cup 2017 at Me xico/Silve r Medal					
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

University has a Student Council which serves as a strong bond between Students and Faculty members. The Council comprises of students selected based on their performance in academics, sports, cultural, extra and co-curricular activities. The nomination of all the members of the Student Council is held as per the norms laid down by the University. Council is declared after receiving all nominations from each Department. Final announcement of Student Council is done from the Office of Registrar. The Council main objective is to work for the students with students and by the students which is all achieved by a group of student's representatives from various departments of the University. Student Council share ideas and gives proposals for all the issues such as academic programs, regulations of class, maximizing the participation of students in various programs, organizing various social, cultural, artistic and sport activities. The whole purpose of the Student Council is to give students an opportunity to develop managerial skills by carrying out different activities including extension activities that not only maintain University core values but also significantly contribute to Community Welfare. The members of student council also help in forwarding requests from students to the University Administration and to contribute to the educational activities at the University thereby supporting the Universitys 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 Institute of Research Studies Alumni Association is registered under Manav Rachna Vidyanatariksha Foundation registered on February 17, 2014. Manav Rachna International Institute of Research Studies Alumni Association which has an Alumni Base of 17000 members have eight faculty

chapters for easier administrative reach out: 1) Faculty of Engineering Technology Chapter 2) Faculty of Planning and Architecture Chapter 3) Faculty of Computer Applications Chapter 4) Faculty of Media Studies Chapter 5) Faculty of Commerce Humanities Chapters 6) Faculty of Management Studies Chapter 7) Faculty of Applied Sciences Chapter 8) Faculty of Behavioral and Social Sciences Chapter Each Faculty Chapter had their internal meetings with their respective teachers, Head of Departments, and Dean for increasing the numbers of alumni engagement activities to strengthen the alumni-connect. Further Alumni Faculty Coordinator meeting was conducted to exchange the ideas on the same. The idea was implemented with the help of administration of Manav Rachna International Institute of Research and Studies. The outcomes were also shared with the Executive Council in the meeting. Respective Faculty Chapters have also been continuously holding Expert lectures, Seminars Alumni Connect Activities, Alumni Meets, etc. for Alumni Engagement. The Executive Council meetings are also conducted to enhance the alumni connect and the suggestions received from different Faculty Chapters were also taken into consideration. Also, the suggestions given by Executive Council are also incorporated by each Faculty Chapter for making better alumni relations. Executive Council also suggested souvenirs to be gifted to the visiting alumni. Alumni Department in response to this suggestion prepared Manav Rachna diaries, and lapel pins were presented to the visiting Alumni. Social media updates and e-mails were also sent to the Alumni for the upcoming Calendar events for their future engagement. Furthermore, As per the guidelines given in the meeting of the Executive Council to the Faculty Coordinators of different Faculty Chapters, a list of prominent alumnus is prepared on the basis of the present position, company/organization, achievements so that these alumni can be contacted in the future for carrying out events for the existing students. Alumni from the fields of art, science, and other such industries were invited as special judges, lecturers, guest speakers, etc. for special Alumni connects like: 1) Student Competition 2) Alumni Lectures 3) Alumni Meets 4) Alumni Discussion 5) Cultural Fests 6) Placement Drives 7) Orientation The Executive Council also took the initiative to increase the outreach of the mobile application. Alumni Department had extensively promoted the mobile application on social media and the official website to increase Alumni engagement outside the campus.

5.4.2 – No. of registered Alumni:

17588

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

564000

5.4.4 – Meetings/activities organized by Alumni Association :

22

## **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)

MRIIRS practices decentralization and participative management to improve the efficacy and efficiency of the university system and quality assurance in the services offered by the university. The decentralization of administrative processes is evident from the organizational chart which shows the decision-making process. 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 teachers and branch heads of administrative units are motivated to develop inter-departmental linkages for creating a congenial work environment. If any exigency arises, special meetings with the staff are held to discuss and resolve important issues of time-bound nature. 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 Statutory Bodies like Academic Council, Board of Management, Board of Studies, Board of Faculty, Internal Quality Assurance Cell, Finance Committee and other committees with participation of faculty of all cadres at the University and other departmental level are in place. The members of these Bodies and Committees are rotated after regular intervals as per guidelines of the UGC. 2. All efforts for design/changes/improvements 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. 3. For smooth functioning of individual departments, financial powers have been decentralized. The accounts department seeks the fund requirement from various departments of the university for the next financial year. These requirements are compiled at Faculty level 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. The funds so allocated are bifurcated at Faculty/department level as per the requirement/demand of funds raised by individual department for the given financial. 4. All purchase requirements for lab equipment's/ software's/ learning resources/ library resources along with specifications based on quality consideration are initiated by the teaching faculty and associated staff. This demand is then deliberated in the Planning and Monitoring Board followed by Finance Committee of the University. Follow up action is implemented after approval by the Deans directly through the purchase department. Thus, purchase of equipment including IT resources goes up without any impediment.

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
Admission of Students	The university admission is 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.

#### 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. As a matter of policy, university involves industry professionals in teaching classes since they bring to the table real world experiences. The university makes efforts to get industry sponsorships for a series of lectures/presentations from distinguished professionals from the industry on/off campus.

#### 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 mission and vision 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, kindles 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 terms 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 through evaluation of assignments, sessional tests, lab reports/performance, technical seminars/colloquium, 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. Controller of Examination 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 academic calendar and departmental level plans are prepared and shared with students in advance and executed meticulously. To unify the diversified categories of students, each Faculty organizes orientation programs for newly admitted and senior students. Each department follows the laid Policy and SoPs of the University on Teaching Learning and Evaluation for distinctive approaches of teaching and learning to be adopted to address the needs of slow learners, average learners and fast learners. Each department develops a system of peer learning, student mentoring, team building and organization of events. The students are involved in value-added academic programs to ensure an inclusive academic ambience in the department.

#### 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. It is then synthesized and validated before it goes to Academic Council for approval. The whole process is followed as per the devised policy and subsequent Standard Operating Procedures of Curriculum Development and Review. The strategic components of curriculum include domain excellence, application skills, professional competence, global orientation, IT exposure, research orientation, interdisciplinary and multi-disciplinary focus.

### 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 • After verification of eligibility criteria, student goes through few stages for confirmation of admission namely- Data scrutiny, uploading/verification of required documents, Temporary batch allocation,</p>



	<p>Payment of fees, Final seat allocation seat, automatic allocation of Temporary roll no. CLAN, Generation of Admission letter ID card and allocation of Hostel/Transport facility on EMS. • After successful admission of student, system generates his EMS Login ID and Password which can be further accessed by them for viewing their academic performance and performing other activities.</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, which includes courses from current and previous semesters. • Student can register for the courses within the set credit limit of the offered academic basket only. • According to the course pre-requisites and Payment of fees, Courses are approved by the department.</p>
Examination	<p>Examination Module: • Parameter wise internal assessment marks for theory and lab courses can be entered by course faculty and the same can be viewed by students. • Students can view marks scored by them in mentioned continuous internal assessment parameters, thus increasing transparency of their academic performance. • Examination software has been modified as per new Grading Policy of UGC. • Participation of Manav Rachna International institute of Research and Studies (Deemed to be University), Faridabad in National Academic Depository (NAD). • Learning outcome attainment strategy has been incorporated on i-cloud EMS: The complete learning outcome strategy for computation of Course and Program Outcome attainment using both direct and indirect tools has been incorporated on i-cloud EMS and is ready to be tested during odd semester of AY2018-19.</p>
Planning and Development	a. Role Setup- Module wise access

rights to respective stakeholders like teaching staff, departmental heads administrative, Admissions, Hostel/Transport, Finance, HR and other Department staffs. b. Faculty- course allocation, Time table, Lesson Plan and Attendance Module: • Students are divided into sections and practical or tutorial groups, further courses are allocated to Faculty members according to specific batch/section/practical or tutorial groups and teaching load according to lecture per week is defined. • Time table is prepared according to the defined teaching load. Tagging of alternate arrangement, extra lecture in TT free slots, are some of the added features offered. 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 by selecting the topic taught in the lecture within 24 hrs of the lecture conducted otherwise marking of attendance gets freezed. • According to the attendance marked for the topic, system updates the conducted date for all the topics. Thus, generating report considering all parameters- Proposed date with the topic and actual conducted date. • Lesson plan and 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/ submitted by the students and afterwards faculty members can view/download/evaluate/reject the student's submitted assignments. Marks/remarks given by the faculty can be further viewed by the students. • Uploaded course contents like syllabus, previous year question papers, lecture notes, PPT's, relevant web-links and videos can be viewed by students. d. Staff achievements Module: • Teachers can upload the personal, academic and data related to their publications, conferences attended, etc and the same the can be viewed/downloaded for preparation of reports required for various accreditations, rankings,



	surveys and compilation of data for regulatory bodies.
Administration	<p>a. Feedback Module: • Course-Faculty Feedback is being submitted by the students in response to the defined parameters two times within a semester.</p> <p>b. Hostel and Transport Module: • 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. c. Recruitment form and HR Module: • Prospective candidates can apply at MRIIRS 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). • Check their head wise total leaves credited, leave application module, leaves status check and balance module.</p>
Finance and Accounts	<p>Fee Module: • Student can view/Pay (Through Credit card/Net banking) their previous balance amount with current Academic, Hostel/Transport or Miscellaneous dues. • Generate/Print Fees challan. • View/Print Fee receipts for the Paid amount.</p>

### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	MS. Shilpa Arora	Workshop - High Quality Reasearch 2018, Indian Institute of Management, Ahmedabad and Graphic Era University (28-04-2018 - 29-04-2018)	NA	2500
2018	Ms. Stuti Sahni	Workshop - High Quality Reasearch 2018, Indian Institute of Management, Ahmedabad and	NA	4000

		Graphic Era University (28-04-2018 - 29-04-2018)		
Nill	Dr. Bhavesh Prakash Joshi	Workshop - Summer School of Finance, Indian Institute of Management, Calcutta (23-04-2018 - 28-04-2018)	NA	41366
<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)
2017	FDP on Cloud Performance Tuning	-	30/06/2017	05/07/2017	8	Nill
2017	FDP on Business Strategy and Analytics	-	30/06/2017	05/07/2017	9	Nill
2017	Session on How to handle stress among students	Session on How to handle stress among students	07/07/2017	07/07/2017	82	7
<a href="#">View File</a>						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Nanotechnology and Promotion of Research and Innovation	105	04/07/2017	04/07/2017	1
Wokshop on Business Strategy and	13	30/06/2017	05/07/2017	5

Analytics				
Workshop on Cloud performance Tuning	6	30/06/2017	05/07/2017	5
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
43	43	16	16

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>MRIIRS recognizes the contribution of the employees and students towards the development and progress of the Organization. MRIIRS offers/provides rewarding welfare schemes to all the employees to ensure and increase their work efficiency. MRIIRS 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 members for 4 years in PhD programme at MRIIRS. • Provision to provide seed money for research projects is available. • Award of cash incentive to the faculty for publication of research papers in the reputed 'Research Journals'. • Fee Concession to wards of faculty/staff. • In house Bloomz Day Care Creche for the children of teaching and non-teaching members. • Apart from in-house medical facility, tie-up with Metro Heart Institute,</p>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Accidental insurance cover for faculty, staff and students.</li> <li>• Fee Concession to wards of faculty/staff.</li> <li>• In-house Bloomz Day Care Creche. (Common facility).</li> <li>• Excellent civic amenities, healthcare, sports and subsidized transport facility to the various destinations</li> <li>• Apart from in-house medical facility, tie-up with Metro Heart Institute, Asian Hospital Sarvodya Hospital, Faridabad for Health Services to students and staff.</li> <li>• Faculty and staff with a stay of minimum 10 years are specially honoured every year on the occasion of celebration of New-Year in the University</li> </ul>	<ul style="list-style-type: none"> <li>? Dispensary with basic and emergency day care facilities with qualified Doctor and Nurse.</li> <li>Ambulance for Emergency.</li> <li>? Tie-up with Metro Heart Institute, Asian Hospital Sarvodya Hospital, Faridabad for Health Services to students and staff.</li> <li>? Accidental insurance cover for faculty, staff and students. For hostlers, a comprehensive insurance cover is available.</li> <li>? Financial Assistance for development of Projects, Participation in Projects / Technical Fest/Co-curricular, Extra Curricular and Sports Competitions at National / International level.</li> <li>? Tuition fee waiver for Meritorious Students at the time of Admission.</li> <li>? Suitable scholarship to high achievers and on others compassionate grounds, on case-to-case basis.</li> <li>? 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. ?</li> </ul>

Asian Hospital Sarvodya Hospital, Faridabad to provide Health Services to students and staff, SarvodyaHospital to provide medical assistance within the campus. • Faculty and staff with a stay of minimum 10 years are honoured every year on the occasion of celebration of New-Year in the University. • Food courts and canteen facilities are available for food and refreshment. • Campus has 24 hr ATM facilities. During banking hours, PNB is available for the benefit of its employees. • Accidental insurance cover for faculty, staff and students. • 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. • Excellent civic amenities, healthcare, sports and subsidized transport facility to the various destinations. • Conduct of Sports Tournaments for faculty members/non-teaching staff. • Faculty members are also given sabbatical to pursue their higher studies • For the benefit of teaching and non-teaching faculty members, FDPs and Skill Development courses are conducted regularly. • Advance against salary. • Financial assistance to participate and paper publications in Conferences / Workshops / Seminars/ Symposia etc both within India and

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 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

abroad.		<p>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.</p>
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## 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 was conducted half-yearly by highly reputed Audit Firm of Faridabad M/s Kumar Vijay Gupta Co. and it has now changed to quarterly mode. The team of professionals visits the campus and verifies the documents, all expenses and income including the fee receipts under the audit procedure and seeks clarification, if any, from the concerned functionaries. The first draft completed by IA Team is discussed with the CFO in an exist meeting and his reviewed to correct the possible omissions, if any. The finalized reports with the outstanding observations are submitted to the Management for further necessary action. The scope of internal auditing encompasses, but is limited to, the examination and evaluation of the adequacy and effectiveness of the Institution's governance, risk management and internal controls as well as the quality of performance in carrying out assigned responsibilities to achieve the Institution's stated goals and objectives. The internal auditor monitors the disposition of results communicated to management and ensures that management actions have been effectively implemented or that senior management has accepted the risk of not taking action. **External Audit:** The external audit is being undertaken by our Statutory Auditors-M/s Parveen S. Bansal Co., Chartered Accountants, Faridabad. The audit team scrutinizes the ledgers of expenses and income heads as well various parties including students/suppliers/other parties. They ensure the maintenance of all records as well as booking of liabilities. They verify the documents relating to loans and facilities from banks/ financial institutions. They ensure proper 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. Scope - 1. Check annual report with accurate supporting documents. 2. Verification of the receipts of monthly fees, examination fee, concession provided on fee etc. 3. To check all grant-in-aid and funds received from the government and non-govt. organizations for a particular purpose and must be utilized for the same purpose. 4. The donations and other subscriptions from various authorities. 5. Verification of income from property, investment etc. 6. Auditor vouches the amount of salaries paid with the salary-sheets and attendance. 7. Verification of all expenses. 8. Checking of all the assets and liabilities are properly exhibited in the balance sheet. 9. Auditor checks all bank reconciliation statements. 10. Verification of Fixed Assets Register. 11. Confirmation of statutory compliance under Income-Tax, GST, PF, ESI etc. Internal and external audit activities are coordinated to ensure adequate coverage and to minimize duplication of effort. Access to work programs, working papers and reports of internal audit made available for review by external auditors. The Statutory Auditor files the Audit Report along with annual report every year. 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/ Grants received in Rs.	Purpose
HARE KRISHNA INTERNATIONAL LTD	150000	Promotion of Education
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

150000
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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, MRIIRS
Administrative	No	Nil	Yes	IQAC, MRIIRS

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)

<ul style="list-style-type: none"> <li>Regular parent-teacher meetings are conducted as well as regular contact is maintained through e-mails and phones.</li> <li>Regular feedback of wards in respect of their academic and professional progression, attendance and results is provided.</li> <li>Eliciting suggestions/observations from parents for continuous improvement through Parent Feedback.</li> <li>A parent is also represented at IQAC in its various meetings.</li> </ul>
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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
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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. Orientation Programme on Revised Accreditation Framework of NAAC (4th-8th Dec 2017). 2. Training Workshop on 'Advanced Excel', (19th-20th January 2018). 3. Rockefeller Habits and their implementation for faculty and staff members. (3rd Feb 2018) 4. Orientation on Twelve Sigma-An IQAC initiative (2nd June 2018) 5. Workshop on 'Emerging Automotive Technologies', (22nd- 24th Jan 2018). 6. Three days' workshop on Aircraft Safety and on Special Topics on Aerospace Engineering, (17th-19th Jan 2018).

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

1. Submitted SAR for NBA Accreditation for the Four departments of Faculty of Engineering and Technology (CSE, ECE, ME, BT) and Master in Business Administration. 2. Revision of Stakeholders Feedback formats for Curricula and Generic Facilities considering the Revised Accreditation Framework of NAAC launched in July 2017. 3. IT integration for Examination Processes: • Examination software has been modified as per new Grading Policy of UGC. • Participation of Manav Rachna International institute of Research and Studies (Deemed to be University), Faridabad in National Academic Depository (NAD). • Learning outcome attainment strategy has been incorporated on i-cloud EMS: The complete learning outcome strategy for computation of Course and Program Outcome attainment using both direct and indirect tools has been incorporated on i-cloud EMS and is ready to be tested during odd semester of AY2018-19. 4. Quality initiatives taken by Examination Cell during AY2017-18: • Introduction of the Open House: where in End Semester Answer Sheets were shown to the concerned students and any anomaly in totalling or unmarked questions were raised in a prescribed format. Corrections were carried out by the concerned Superintendent and revised award lists were sent to Examination branch. • Improvement in the quality of Answer-Sheets: To circumvent use of unfair means, the Answer Sheets were stitched and colors of ink was changed from blue to red. Also supplementary sheets were discontinued. • Implementation of New Grading Policy as notified by UGC: New grading policy on 10 points scale was introduced. • Revision of Examination Rules was carried out to make it more meaningful and comprehensive. • Improvement in security features of degree certificate was carried out. 5. Following Policies along with their SoPs/ manuals were institutionalized: • Resource Mobilization. • Policy and Procedures for Consultancy and Corporate Training including Revenue sharing between University and Individuals. • Revised Examination Manual: Rules and Regulations. 6. Participated in NIRF under the category of Engineering, Management, and Overall-Universities and Ranked as follows: • Engineering: Rank-band: 151-200 • Management: Rank-band: 76-100 • Overall-Universities: Rank-band: 151-200. 7. Identification and Initiation of the process of ISO Certification for the following units / departments of the University: • Library • Examination • CRCMC (Corporate Resource and Career Management Centre)

#### 6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
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
2017	FDP on Nanotechnology and Promotion of Research and Innovation	04/07/2017	04/07/2017	04/07/2017	105
2017	Session on How to handle stress among students	07/07/2017	07/07/2017	07/07/2017	89
2017	Two Days Workshop on 'Guiding Quality Doctoral Research'	14/09/2017	14/09/2017	15/09/2017	45

[View File](#)**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
Workshop on Sexual Orientation and different gender identity - Be bold for change	17/07/2017	17/07/2017	23	39
Freedom from Gender Shackles- So that no one is left behind	18/07/2017	18/07/2017	21	36
Group Discussion on achieving Gender Equality in the changing world of work	19/07/2017	19/07/2017	26	31
Breaking free - Questioning Gender Roles	20/07/2017	20/07/2017	33	21
Workshop on Breaking the	21/07/2017	21/07/2017	47	30



Barriers of Gender				
Group Discussion on Building a workplace which is free of Gender Discrimination	24/07/2017	24/07/2017	52	64
Awareness Talk on Gender Stereotypes - Building inclusive workplaces	26/07/2017	26/07/2017	27	38
Group Discussion on Changing Gender Roles	21/09/2017	21/09/2017	9	11
Workshop on Building a Gender Neutral Society Women in Security, Conflict Management and Peace	06/03/2018	06/03/2018	30	35
Workshop on #MeToo - Sexual Harassment Assault	06/03/2018	06/03/2018	32	30
The Art and Science of Parenting for raising Gender Sensitive Children	07/03/2018	07/03/2018	21	29
Resolving Gender issues for long term Relationship and Compatibility	07/03/2018	07/03/2018	24	27
Swayamsidha- Celebrating Being a Woman Book Launch - Encouraging our Woman Alumni by launching her maiden book	08/03/2018	08/03/2018	43	57
Theatre Play on Prashn Panchali-	08/03/2018	08/03/2018	147	203

Draupadi's questions to the Man in the Mahabharata				
Empowering Womenhood: Celebration on the occasion of International Women's Day	08/03/2018	08/03/2018	90	60

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: 4.90</p> <p>Water Conservation ? Rain water harvesting- Four units already exists, another unit has been commissioned near D-Block in University campus. ?</p> <p>Sewage Treatment Plant -Already exists. Energy Conservation ? Generation of Renewable Energy from Solar PV Systems -Two units of Solar systems already exist. ? Usage of Renewable Energy from Solar devices- Solar water heaters are already in use. ? Energy efficient lighting- Already exists. LEDs were installed in the University campus in replacement to CFLs and tubelights. ?</p> <p>Replacement of Servo Stabilizers with OLTC transformers to reduce power losses. Waste Management ? MoUs for Waste Management- University has entered into MoUs with various agencies registered and certified for waste management by CPCB and/or HSPCB. ? Currently MRIU has MoU with BRP Infotech Pvt. Ltd, Delhi, ?</p> <p>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. ? Biocomposter-Already exists ? Liquid waste management- Sewage Treatment Plant already exists. Plantation- ? Gardens, lawns and green cover already exists and are maintained in the campus. ? Tree Plantation Drives are conducted by the University where in students and faculty plant trees in large numbers in and around the campus. ? Green policy- Already exists Other Initiatives: ? An organic pesticide which is not only a bio-stimulator but is also a bio-pesticide, is developed by the Start-up 'Tricho-agronica Pvt. Ltd', incubated at MRIU. This Start-up is funded by IOCL under Prime Minister's Start-up Scheme. It is a Bio-formulation for tomato crop, which is meant to replace the chemical pesticides and fertilizers, and prevent water and soil pollution.</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	Number of initiatives taken to engage with	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

	advantages and disadvantages	and contribute to local community					
2017	9	9	15/07/2017	350	Physiotherapy Health Camps	To provide physiotherapy healthcare to underprivileged section of society and to those where these facilities are not available.	75

[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	19/08/2017	The Monitoring Committee on Code of Conduct 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 on 29.07.2017 ? Annual Awareness Programme on Code of Conduct and Quality for faculty and staff members was conducted on 19.08.2017 ? Meeting of the Monitoring Committee on Code of Conduct was held on 12th June 2018 and no case of misconduct was reported.
Code of Conduct for Non-Teaching Staff	19/08/2017	The Monitoring Committee on Code of Conduct to monitor its effective implementation was constituted on 2nd September 2016 under the Chairmanship of Vice Chancellor. ? Annual Awareness Programme on

Code of Conduct and Quality for faculty and staff members was conducted on 19.08.2017 ? Meeting of the Monitoring Committee on Code of Conduct was held on 12th june 2018 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
Annual Awareness Programs on Water Conservation and Management	01/07/2017	22/03/2018	67
Awareness Program on Drug De-Addiction and Health	01/07/2017	27/03/2018	50
Forest and Nature Conservation Program: Environmental Responsibility	01/07/2017	20/11/2017	62
<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. A rain water harvesting unit has been commissioned near D-Block in MRIU campus. 2. Renewable Energy generated from Solar PV Systems. 3. CFL and tubelights replaced with LEDs within the MRIU campus buildings. 4. Replacement of Servo Stabilizers with OLTC transformer to reduce power losses. 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 University campus 32104 Sqm Grass - 17,630sqm., Tree cover - 3060sqm , shrubs herbs -4923sqm , potted plants- 4800 sqm. It includes more than 90 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: • Objective is to facilitate faculty and students with a research ambience so that they come to treat research and teaching as the two inalienable components of the university most vital functions. • To spur students to express their innate research ideas and channelize them into potential products. • Another objective is 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 • Creating a thinking to venture into start-ups at a formative age. • To foster a research, innovative and entrepreneurship mindset in students to go in for

entrepreneurship rather than treading on the beaten path of searching for a job after finishing their university tenure. • To motivate faculty members to engage in research work, consultancy to branch out of regular class room teaching. Further, they should supplement class room teacher by inputs from research and innovation arena. iii) The Context: • Motivating and encouraging them on to research / publications / entrepreneurship • Students have to become aware of various futuristic technologies and Application softwares. • Further, they have to get hands -on different numerical, programming techniques and application softwares. iv) The Practice: • A 'Catch Them Young' approach is deployed to motivate students 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 under close mentorship and guidance of faculty as well as outside experts along with all high-end technological support. • As an ingredient of this practice faculty members are encouraged and support to participate in/organize conferences both within the University and outside. As a component of this practice faculty members incentivized by providing them liberal financial support to attend conferences. Similarly, students are encouraged and supported to take part in professional/corporate competitions both within the country and abroad. • 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. v) Evidence of Success: • By now a research culture has been set up as a result of which we have been able to register very considerable improvements in our research publications, both for students and faculty. Our intended target of a minimum 30 of enhancement in research publications shall be well within reach. This has also led to a fillip in the number of start-ups to enter into the pipeline. • Our unflagging efforts to excel in research and innovation both by faculty and students have borne rich fruits which are manifest as under: o MRIIRS was adjudged as Knowledge Creation and Innovation University by ASSOCHAM National Education Excellence awards 2018 17/02/2018 o Center for Advance Water Technology and Management (CAWTM), MRIIRS got Excellence in Resource Management by Aqua Foundation, Delhi on 9/11/2017. o Air Pollution Mitigation Innovative Project developed by Dr. B.S.Gill, Ms. Prachie Sharma and Mr Amit Kumar Singh of MRIIRS awarded at Rajasthan Digifest 2018', organized by Government of Rajasthan at Jaipur on 5/5/2018 o A project LOTO developed by students Devdutt, Dhruv Sharma, Ishlok Subhi of MRIIRS was awarded IESA on 28/02/2018 ASSOCHAM. o Shivani Khare was awarded for Sunlight in Spotlight Deficient or sufficiency in ANVESHAN (North Zone), All India Universities Association (Student Research Convention) o Ms. Richa Adlakha and Ms Ashish Grover faculty members of MRIIRS were awarded as Eminent Engineers during National conference on role of engineers in Developing India held at Institute of Engineers(India) on occasion 50th Engineer day 2017 on 15/09/2017 o Dr. PushpaTomar for Best Oral Presentation in 7th Science Congress at Bhutan by International Science Community Association on 09/12/2017. o Dr. Manu Solanki got Certificate of Appreciation on 4th National Conference on Plant Growth-Promoting Rhizobacteria (PGPR) for Sustainability of Agriculture and Environment, Mizoram University on 12/5/2018 o The research papers presented by the following faculty members of MRIIRS in different national and international conferences were adjudged as Best Research Papers during the year: ? Dr. Rajat Gera at IGI-GLOBAL on 09/5/2018 ? Dr. Farhat Mohsin at ITS Engineering College, Greater NOIDA on 11/2/2018 ? Dr. Nandini Srivastava at ITS Engineering College, Greater NOIDA on 11/2/2018 ? Dr. Vimlesh Singh in 2nd International Conference on Soft-Computing: Theories and Applications (SoCTA-20170) on 22/12/2017 vi) Problems Encountered and Resources Required: • A degree of initial reluctance to switch to research on part of the faculty • Devotion of huge efforts on part of students to learn Application

softwares, quantitative and analytical techniques. • A great deal of ingenuity and 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: • Besides academic dissemination which has to keep a pace with the ever-evolving technology, it is paramount to ensure that students step into areas beyond curriculum through value-added courses. So CBCS and value-added courses should become a *de rigueur* along with NPTEL and MOOC courses. • 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 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 for every discipline should promote an attraction towards science and technology learning. iii) The Context: • In the contemporary scenario, rapid changes in technology compel the curriculum design to be updated periodically to stay abreast. • A curriculum design must subsume employability, acquiring hands-on skills but also spur students towards entrepreneurship besides acquiring life-skills and ethical values. • We have a robust feedback system to be factored in the curriculum design. iv) The Practice: • Highly industry-aligned, employability-inducing and entrepreneurship-promoting curriculum is the bedrock to lead to a well-rounded education system reinforced by communication skills, general awareness and personality development. Periodic revision of curriculum after detailed feedback from stakeholders lends to continued relevance of the curriculum. The study-schemes, beside academics, trigger creative urges, disruptive thinking and hands-on learning for the student way beyond the classroom domain. CBCS and offering open electives are essential ingredients to encourage cross-domain movement for students. • Close monitoring, intimate mentoring of students by faculty, real-time interaction with the parents ensure a smooth progression for students and a readily available counseling to address to their emerging problems. v) Evidence of Success: • Students have begun to accept CBCS and open electives as a way of academic system. Same is true for NPTEL and MOOC courses. • As a result of curriculum updation general awareness, communication skills, placements of a large cross-section of students have shown a marked improvement. • We are in receipt of favorable feedback from prospective employers about the accretion of proficiency of our students registered as a consequence to our efforts expended towards curriculum design. 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. • Updation of knowledge skills of faculty so as to commensurate with the trends of changing technology.

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

### 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

One of the most incisive ways to contribute to India's economic growth is entrepreneurship culminating in creation of jobs rather than generating an army of job seekers out of a university system. With evolving technology, the number of conventional jobs is going to dwindle and a disruptive mindset is required to innovate, incubate to convert innate ideas to viable commercial products.



This exercise not only increases the industrial production and hence GDP but is also of massive social significance that it reduces unemployment which is one of the banes of any developing economy. To this end, our university has sought collaboration with leading industry houses like Google, JP Tokyo, Crown Plaza, Microchip, Honda Motors, COGENDA, R Systems, IBM, Mitsubishi, Edgate Technologies, SAP, IOCL and others comes in very handy to enable students to adopt a high technological path embedded with contemporary tools. Great emphasis is also placed on students to compete in leading technical competitions within India and Abroad to show case their precocious talent. A dedicated Entrepreneurship hub - NewGen IEDC provides a good path to capital from angel investors, state governments, economic-development coalitions and other investors. 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. Aarkaya Solar Solutions Pvt. Ltd., Tackyon Motorsports Pvt. Ltd., Halestain Food Labs (Natures Drop), SmartWatch, Greenity, Campus Dock, NaturoPlast, ThapKrida, SYNSALUS, Night Labs, Vagabond Brains, SYNSALUS are the startups undertaken by the students under MRIIC. This performance has been a great trend-setter and augurs well for other students to emulate. With sustainability becoming a Global imperative, our start up team have developed a breakthrough product- Pariyayantra - an Air Pollution Mitigation product which when attached to vehicles like buses, works as a filter by cleaning the air that passes through it. Formally flagged off by Dr. Harsh Vardhan, the then Union Minister for Environment, Pariyayantra devices have been fitted on the roofs of buses in Delhi-NCR. The results are highly encouraging as each bus cleans 250,000 liters of air for every kilometer of travel. This concept has also made it to the 'United Nations Young Champion of the Earth' listing from the Asia Pacific Region. We have won top honors in leading competitions like Green-a-Thon or the Green Hackathon organized by Govt. of Rajasthan. Thus inculcation a spirit of innovation and entrepreneurship, our distinctiveness lies in opening new vistas of innovation and entrepreneurship which encourages students to delve in out-of-box thinking, dismiss archaic and antiquated practices, immerse into modern technologies, follow newer paths leading enhancement of industrial production, both qualitatively and quantitatively.

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 rapid strides ever since its inception in the year 2008. We have not been complacent over our achievements but have continued to make sustained efforts for quest of quality and excellence. For the Academic Year 2017-18, we have earmarked various targets as detailed below. We undertook NAAC accreditation in November 2015 and are slated to go in for 2nd cycle of NAAC accreditation after November, 2020. We fully appreciate that NAAC accreditation is not an on-eve of preparation but it requires very pertinacious and sustained improvement measures over a prolonged stretch of time in every aspect of each process and procedure of the University by involving every functionary. Similarly, we have to undertake NBA, NIRF and ISO accreditations. These accreditations call for planning and execution processes on multiple parameters which we subsume in our planning exercise every year. For the forthcoming Academic Year 2017-18, our focus shall be on improving our teaching-learning and valuation processes. This implies that we shall strive to register an improvement in all other criteria and key indicators as well although extensive efforts shall be expended on teaching-learning process. i) We shall make all-out efforts to attract quality students



for all programmes by awarding scholarships generously on meritorious ground. Peer group comparisons leading to health completion are vital to improving an overall academic ambience in an HEI. Further, we shall make efforts to attract students not only from the North India but from every state and UT of India to make our campus truly an India in microcosm. ii) We shall ensure that we have in our ranks highly qualified and experienced teachers. We shall adhere to all the student- teacher and cadre ratio as stipulated by the regulatory bodies. We will recruit teachers with Ph.D. qualifications from leading universities and encourage our existing teachers to acquire Ph.D. qualifications. iii) Our teaching methodology shall undergo a review in order to include education technology, use digital means to augment pedagogy. Every teacher shall prepare meticulous Lesson plans which shall lay maximum emphasis on problem solving, out-of - box and design thinking, an analytic approach and even disruptive thinking. iv) Although we are already practicing CBCS and EBS to a reasonable magnitude, we plan to enhance its sweep and at a larger number of value-added courses to bring about a culture of eclectic learning by the students way beyond classroom boundaries. v) Besides, we plan to add to our computational and learning resources along with relevant softwares to provide the requisite digital skills for our faculty and students alike.